

Your Pathway to Success
THE POWER OF
CH  **ICE**

Klein ISD
High School
Course Catalog
2025-2026



Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Table of Contents

<u>Graduation Plan</u>	<u>3</u>
<u>Special Programs</u>	<u>4</u>
<u>Core Courses</u>	<u>5</u>
<u>STEM</u>	<u>58</u>
<u>Business & Industry</u>	<u>70</u>
<u>Public Service</u>	<u>114</u>
<u>Arts & Humanities</u>	<u>144</u>
<u>Multi-Disciplinary</u>	<u>162</u>
<u>Advanced Academics</u>	<u>163</u>
<u>College Programs</u>	<u>175</u>
<u>Course Fees</u>	<u>176</u>
<u>Index</u>	<u>187</u>

For additional information, please visit programs.kleinisd.net



Graduation Plan

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

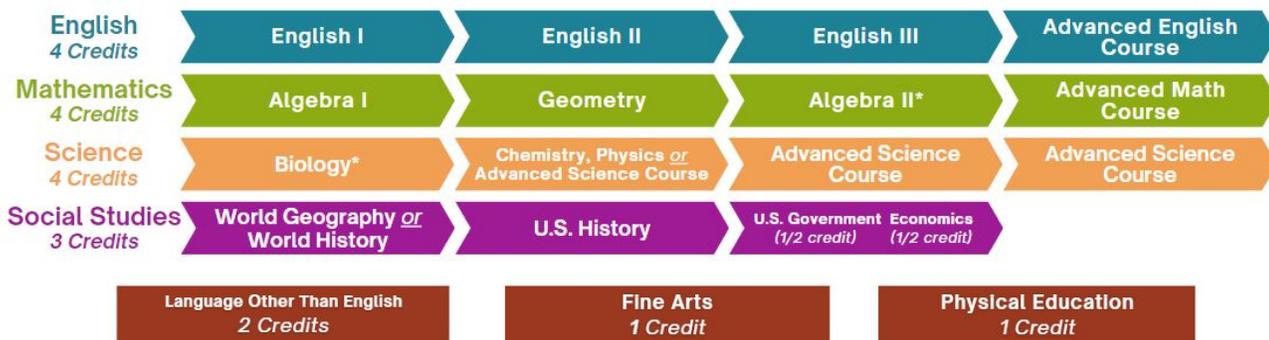
Foundation High School Graduation Plan

with a distinguished level of achievement & 1 Endorsement (26 Total Credits)

The Foundation High School Graduation Plan with a distinguished level of achievement & 1 Endorsement is the default graduation program for Klein ISD students. Students create their graduation plan as eighth graders during course selection prior to entering 9th grade.

Required Courses

Required credits include English, Mathematics, Science, Social Studies, Languages Other Than English, Physical Education, Fine Arts, Electives, Endorsement specific courses, & a demonstrated proficiency in Speech.



Endorsements

Endorsements are a series of courses grouped together by interest or skill. They provide students with in-depth knowledge of a subject area. Students entering 9th grade must choose an endorsement to follow, but may change or add an endorsement at any time. When students complete Klein ISD Programs, 1 or more endorsement is automatically part of their coursework. **Endorsements include Arts & Humanities, Business & Industry, Multidisciplinary Studies, Public Service, and/or Science, Technology, Engineering & Mathematics (S.T.E.M.).**

End of Course Exams

STAAR end-of-course exams are state mandated tests given during the final weeks of a course. In addition to meeting graduation course requirements, students are required to pass five end-of-course exams to earn a diploma from a Texas public high school. Those five exams are given when a student takes English I and II, Biology, Algebra I and U.S. History courses.

Distinguished Level of Achievement

Every student chooses a High School Graduation plan with a distinguished level of achievement.

By graduating at a distinguished level of achievement students are **eligible** for

- Top 10% automatic admissions at Texas public universities
- Certain financial aid including the TEXAS Grant Program & the Texas Educational Opportunity Grant Program (*Must be financially qualified*)



Special Programs

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

DYSLEXIA AND RELATED NEEDS

The dyslexia referral, screening, evaluation and identification process is conducted in accordance with the guidelines outlined in the [Texas Dyslexia Handbook \(2021\)](#). Students identified as meeting the criteria as a student with dyslexia or a related disorder (such as dysgraphia) can be served through special education or Section 504 services. Students who qualify for dyslexia services are provided systematic, research-based interventions that align with the requirements outlined in the Texas Dyslexia Handbook (2018). Parents who believe that their child is experiencing difficulties with reading, writing or spelling, despite conventional instruction, should contact their child’s teacher or campus administrator regarding a request to consider an evaluation.

GIFTED AND TALENTED EDUCATION

The gifted/talented referral, assessment, and identification process is conducted in accordance with the guidelines outlined in the [Texas State Plan for the Education of Gifted/Talented Students \(En Espanol\)](#). Students in grades K-12 identified as gifted/talented perform at or show the potential for performing at a remarkably high level of accomplishment when compared to others of the same age, experience, or environment and receive instructional services within the classroom and in specialized advanced courses. Students who qualify for gifted/talented instructional services develop innovative products and sophisticated performances that reflect individuality and creativity and are targeted to an audience outside the classroom. Summaries of program services are provided to families quarterly. More information on [page 167](#).

SECTION 504

Section 504 services are provided to students with physical or mental impairments that substantially limit one or more major life activity. Eligibility is determined by a committee of persons with knowledge of the student, the evaluation data and service options. Students who qualify for Section 504 services receive accommodations and services through the general education setting, in accordance with the student Individual Accommodation Plan (IAP). These supports are intended to provide equal access and level the playing field, as compared to non-disabled peers. Course content for 504 students is not modified or changed. Parents who believe they have a child who may qualify for accommodations or services should contact their child’s school counselor or the campus 504 coordinator.

SPECIAL

EDUCATION

Special education services are provided to students who are eligible for services under IDEA as determined by an Admission, Review and Dismissal Committee (ARD). Eligibility is based on identified disabilities and the need for specially designed instruction that are required to meet individual student needs. Depending on the student needs, academic services may be provided through regular and/or special education. Specialized instruction is provided along a continuum and reviewed at least annually. The continuum could include

- Accommodation support.
- In Class Support;
- Modified Curriculum;
- Curriculum access through prerequisite skills.



Core Courses

<u>English Language Arts</u>	<u>6</u>
<u>Language Other Than English</u>	<u>19</u>
<u>Mathematics</u>	<u>30</u>
<u>Science</u>	<u>38</u>
<u>Social Studies</u>	<u>48</u>
<u>Physical Education</u>	<u>54</u>
<u>Other Electives</u>	<u>56</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



English Language Arts

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

ENGLISH 1

KISD #: 0111

Grades: 9

1 Credit

Prerequisite:

None

English 1, the introductory high school course, focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 1 Sheltered Instruction

KISD #: 0811

Grades: 9-12

1 Credit

Recommended Prerequisite: Counselor Approval

English 1 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) 1

KISD #: 0115

Grades: 9-12

1.0 Credit

Prerequisite:

Counselor Approval

The ESOL 1 course is designed for emergent bilingual students who are state category 1 and 2 and who have been enrolled in U.S. schools 3 years or less. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. ESOL 1 may be substituted for English 1. Students may also enroll in ELDA and/or Reading Sheltered. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 1 KLEIN PREP (KP)

KISD #: 0113Q

Grades: 9

1 Credit

Prerequisite:

KLEIN PREP Guidelines

English 1 KP is designed for students who excel in the language arts and are interested in enrolling in English AP courses in the future. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. The student will increase and refine critical reading and writing skills, communicate effectively through exposition, analysis, and argumentation, experience different genres to interpret a work's structure, style, theme, symbolism, imagery and tone and develop stylistic maturity. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 1 KLEIN PREP (KP)/GT

KISD #: 0117

Grades: 9

1 Credit

Prerequisite:

Meets district guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. These students are identified as performing or having the potential for performing at remarkably high academic levels through differentiated curriculum. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. The course emphasizes critical thinking skills and promotes creative, productive thinking. The student will increase and refine critical reading and writing skills, communicate effectively through exposition, analysis, and argumentation, experience different genres to interpret a work's structure, style, theme, symbolism, imagery and tone and develop stylistic maturity. GT services are provided through the KLEIN PREP classes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes



ENGLISH 1 HUMANITIES GT

KISD #: 0144GT

Grades: 9 **1 Credit**

Prerequisite: **Identified Gifted Learner**

This course will offer identified gifted/talented students a rigorous curriculum meant to challenge and empower our most advanced learners. This course is not “worksheet-based”, but rather “Socratic and creative” in nature. Through the examination of psychology, philosophy, history, literature, language, science, and culture, this course explores sub-disciplines of the humanities, so that student-thinkers are able to analyze texts and ideas deeply and meaningfully. Discussion and discourse will be the norm for this course. This course aims to build the foundation needed to succeed in future ELA courses and expose students to high-level critical thinking. This course will better prepare our students for high-stakes exams like the PSAT, SAT, ACT and AP exams.

ENGLISH 1 HUMANITIES KP

KISD #: 0144Q

Grades: 9 **1 Credit**

Prerequisite: **Teacher Recommendation**

This course will offer students a rigorous curriculum meant to challenge high performing English Language Arts students. This course is not “worksheet-based”, but rather “Socratic and creative” in nature. Through the examination of psychology, philosophy, history, literature, language, science, and culture, this course explores sub-disciplines of the humanities, so that student-thinkers are able to analyze texts and ideas deeply and meaningfully. Discussion and discourse will be the norm for this course. This course aims to build the foundation needed to succeed in future ELA courses and expose students to high-level critical thinking. This course will better prepare our students for high-stakes exams like the PSAT, SAT, ACT and AP exams.

ENGLISH 1 AND 2 PRE-IP (Klein Oak HS Only)

KISD #: 3470, 3472

Grades: 9-10 **1.0 Credit per year**

Prerequisite: **Acceptance in IB[®] Programme**

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ENGLISH 1 AND 2 PRE-IP (Klein Oak HS Only)

KISD #: 3470, 3472

Grades: 9-10

1.0 Credit per year

Prerequisite: Acceptance in IB[®] Programme

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 2

KISD #: 0121

Grades: 10

1 Credit

Prerequisite: English 1 or Counselor Approval

English II, builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 10th grade. This course continues to focus on writing experiences for a variety of audiences and forms, documented multi-paragraph compositions, identification of literary symbols, development of theme in a literary work, and the utilization of advanced/special reference materials. Through thematic units of study, the curriculum provides extensive practice in rhetorical writing integrated with the study of literature and the development of critical thinking. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 2 Sheltered Instruction

KISD #: 0821

Grades: 9-12

1.0 Credit

Prerequisite: None

English 2 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 2 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course focuses on basic concepts and skills in the language arts. Through integrated units of study, the curriculum provides instruction in the composing process of multi-paragraph compositions, applied grammar concepts, conventions of language, syntax, literary genres, cultural attitudes/customs in literature, basic literary terminology, reading/critical thinking skills, and rhetorical writing activities. Emphasis is on the development of effective written communication for a variety of purposes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL) 2

KISD #: 0125

Grades: 9-12

1.0 Credit

Prerequisite: Counselor Approval

The ESOL 1 course is designed for emergent bilingual students who are state category 1 and 2 and who have been enrolled in U.S. schools 3 years or less. This course will cover the essential elements of English 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This introductory high school course builds reading, writing, listening, and speaking skills based on the Texas Essential Knowledge and Skills (TEKS) for 9th grade. ESOL 1 may be substituted for English 1. Students may also enroll in Reading Sheltered and/or ELDA. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

ENGLISH 2 KLEIN PREP (KP)

KISD #: 0123Q

Grades: 10

1.0 Credit

Prerequisite: English I and KLEIN PREP Guidelines

English II-(KP) is designed for highly motivated students who excel in the language arts and are interested in studying a differentiated curriculum that includes a wider range and greater depth of subject matter. The course emphasizes critical thinking skills and promotes creative, productive thinking. Emphasis is placed on the development of advanced cognitive concepts and processes, guided and independent research, and the incorporation of student-determined ideas and interests. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes



ENGLISH 2 KLEIN PREP (KP)/GT

KISD #: 0126

Grades: 9-12

1.0 Credit

Prerequisite: Meets district guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. These students are identified as performing or having the potential for performing at remarkably high academic levels with a differentiated curriculum that includes a wider range and greater depth of subject matter that focuses on world literature. The course emphasizes critical thinking skills and promotes creative, productive thinking. Emphasis is placed on the development of advanced cognitive concepts and processes, guided and independent research, and the incorporation of student-determined ideas and interests. An extensive research project and focused interdisciplinary units evolve from student interests and input. GT services are provided through the KLEIN PREP classes. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

ENGLISH 2 GT Humanities

KISD #: 0124GT

Grades: 10

1.0 Credit

Prerequisite: Meets district guidelines

This course continues to provide our gifted/talented and most advanced learners with a rigorous and engaging curriculum that goes beyond traditional worksheet-based learning. Instead, it fosters a Socratic and creative environment where students delve deeper into the realms of psychology, philosophy, history, literature, language, science, and culture. English II GT Humanities is designed to be interdisciplinary, encouraging students to explore various sub-disciplines of the humanities.

This course is designed to: Engage in interdisciplinary exploration, refine critical thinking and analysis skills, strengthen research capabilities, prepare for high-stakes exams and future academic endeavors, and receive continuous support tailored to advanced learners.

Advanced Grade Points: Yes

ENGLISH 2 HUMANITIES KP

KISD #: 0124Q

Grades: 10

1 Credit

Prerequisite: Meets District Guidelines

This course will offer advanced ELAR students' continued rigorous exploration in alignment with the English 1 Humanities Course for our most advanced learners with an engaging literature-based curriculum that goes beyond traditional worksheet-based learning. Instead, it fosters a Socratic and creative environment where students delve deeper into the realms of psychology, philosophy, history, literature, language, science, and culture. English II GT Humanities is designed to be interdisciplinary, encouraging students to explore various disciplines of the humanities. This course is designed to: engage in interdisciplinary exploration, refine critical thinking and analysis skills, strengthen research capabilities, prepare for high-stakes exams and future academic endeavors, and receive continuous support tailored to advanced learners. This course will prepare students for success in Advanced Placement and International Baccalaureate and other college credit courses.

Advanced Grade Points: Yes

COMMUNICATIONS APPLICATIONS

KISD #: 0189

Grades: 9-12

.5 Credit

Prerequisite: None

Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes.

COMMUNICATIONS APPLICATIONS SHELTERED INSTRUCTION

KISD #: 0189S

Grades: 9-12

.5 Credit

Prerequisite: Counselor Approval

Communications Applications Sheltered Instruction is designed to support emergent bilingual students. Students enrolled in Communication Applications will be expected to identify, analyze, develop, and evaluate communication skills needed for professional and social success in interpersonal situations, group interactions, and personal and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes. This course will have an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content for emergent bilingual students.



COMMUNICATIONS APPLICATIONS DUAL CREDIT

KISD #: 0189DC

Grades: 9-12 .5 Credit

Prerequisite: Meets district guidelines

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking. Students will apply the principles of human communication including perception, verbal communication, nonverbal communication, listening, and audience analysis. **Students enrolled in this course are expected to purchase the required textbook.**

Advanced Grade Points: Yes

Dual Credit Correlation: SPCH 1311

PROFESSIONAL COMMUNICATIONS

KISD #: 9700

Grades: 9-12 .5 Credit

Prerequisite: None

This is an activity-based career development course in which students will develop an understanding of professional communications through exploration of the career clusters. Students will explore a variety of career options and activities including formal and informal presentations, resume writing, and job interviewing. Students will exhibit public relations skills, leadership characteristics, knowledge of the global economy, and information technology applications.

ORAL INTERPRETATION 1

KISD #: 0160

Grades: 9-12 1 Credit

Prerequisite: Public Speaking 1 or Communications Applications and Sponsor Approval or Speech 7/8 and Sponsor Approval

Oral Interpretation I is designed for the student who wishes to explore and learn the fundamental concepts and skills of oral interpretation. The curriculum focuses on the following: exploration of interpretive reading and of potential literary selections; analysis of literary merit including qualities of universal appeal and uniqueness of literary works; determination of literary meaning including emotional impact and preferred styles of authors and literary types; the role of the interpreter in recreating the intellectual, emotional, and aesthetic aspects of literary works; selection of literature according to nature of audience and personal preferences; analysis of literature including author's purpose, structure, and style; performance techniques including use of voice and body; adaptation of literature to preserve the author's intent, form and style; performance of literature in individual and group presentations; and, criteria for evaluating interpretation techniques and audience reaction.

ORAL INTERPRETATION 2

KISD #: 0161

Grades: 10-12 1 Credit

Prerequisite: Oral Interpretation 1 and Sponsor Approval

Oral Interpretation 2 further expands and refines the course objectives outlined in the Oral Interpretation 1 curriculum. This course is designed for the student who wishes to participate in the practical application of oral interpretation skills through competitive speech tournament events.

ENGLISH 3

KISD #: 0131

Grades: 11 1.0 Credit

Prerequisite: None

English III further expands and refines language arts concepts and skills introduced in English III. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.



ENGLISH 3 Sheltered Instruction

KISD #: 0831

Grades: 11-12

1.0 Credit

Prerequisite:

Counselor Approval

English 3 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 3 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. English III further expands and refines language arts concepts and skills introduced in English III. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.

ADVANCED PLACEMENT® ENGLISH LANGUAGE AND COMPOSITION

KISD #: 0135

Grades: 11

1.0 Credit

Prerequisite:

No prerequisites

The AP® English Language and Composition course focuses on the development and revision of evidence-based analytic and argumentative writing, the rhetorical analysis of nonfiction texts, and the decisions writers make as they compose and revise. Students evaluate, synthesize, and cite research to support their arguments. Additionally, they read and analyze rhetorical elements and their effects in nonfiction texts—including images as forms of text— from a range of disciplines and historical periods. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ENGLISH 3 DUAL CREDIT

KISD #: 0131DC

Grades: 11

1.0 Credit

Prerequisite:

Meet district guidelines

Study and practice in the writing process, from invention and researching to drafting, revising, and editing, both individually and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style. Study and practice of strategies and techniques for developing research based expository and persuasive texts. Emphasis on primary and secondary research methods. **Students are expected to purchase the required college textbook. Students must earn a minimal score on the TSIA exam prior to enrollment in the course.**

Dual Credit Correlation: ENGL 1301 and 1302

INTERNATIONAL BACCALAUREATE® LANGUAGE & LITERATURE HL1 & HL2 (Klein Oak HS Only)

KISD #: 3404HL1, 3404HL2

Grades: 11-12

1.0 Credit per year

Prerequisite:

Pre-IP English 1 and 2 or Acceptance into IB programme

The IB Language & Literature courses focus on the rigorous academic demands of an International Baccalaureate® Higher Level course. This two-year, intensive study of English language and literature develops students' analytical abilities and creative powers of expression, both in oral and written communications. It encourages them to be original, independent, critical and logical thinkers, and to appreciate literature as an art form. Students learn techniques to analyze literary passages, drawn from prose and poetry, representative of a variety of historical literary periods. Various genres, styles, themes and contexts are examined through the analysis of grouped works. Students explore the ongoing forces of human creativity, artistic ingenuity, and cultural diversity that shape and develop literature. Students engage in daily formal and/or in formal writing tasks including free writing, response journals, dialectical journals, essays, abstracts, critiques and commentaries. They practice public speaking, engaging in the critical and constructive exchange of ideas through oral presentations, class discussions, panel discussions, as well as informal and/or informal debates. This course culminates in the completion of the IB Language & Literature assessment in May of the student's 12th grade year. **Students enrolled in this course must take the IB® exam to earn college credit.**

Advanced Grade Points: Yes



ENGLISH 4

KISD #: 0141

Grades: 12 1.0 Credit

Prerequisite: None

English IV further expands and refines language arts concepts and skills studied in English 3. Additionally, this course focuses on the following: using each of the commonly recognized patterns of organization; achieving precision in meaning through sophisticated language and rhetorical choices; analysis of ideas and logic in written discourse; use of sophisticated and precise word choices; origin and development of the English language; recognition of major authors, periods, forms, and works in British literature; recognition of recurring themes in literary selections; recognition of the devices of propaganda; analysis of the presentation of ideas in written discourse, including forms of logical reasoning, common fallacies of reasoning, and techniques of persuasive language; and, the development of generalizations formulated from a given series of assumptions. Through integrated units of study, the curriculum promotes awareness/understanding of abstract concepts and practical application of fundamental skills.

ENGLISH 4 Sheltered Instruction

KISD #: 0842

Grades: 12 1.0 Credit

Prerequisite: Counselor Approval

English 4 Sheltered is designed to support emergent bilingual students. This course will cover the essential elements of English 4 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. English III further expands and refines language arts concepts and skills introduced in English 4. In addition, this course focuses on the following: selection of rhetorical choices based on audience, purpose, and form; writing longer compositions incorporating outside information with documentation; writing a variety of forms of informative and persuasive discourse; writing at least one form of literary discourse; knowledge of history and major features of American dialects; recognition of sociological functions of language; analysis of word analogies and other forms of advanced vocabulary development; recognition of major American authors, literary periods, works, and literary forms; recognition of the characteristics of literary selections; use of reading concepts and skills to enhance the development of the thinking/reasoning processes; and, use of specialized reference sources. Through integrated units of study, the curriculum provides extensive experience in rhetorical writing activities in the study of literature and in the development of critical thinking.

ADVANCED PLACEMENT® ENGLISH LITERATURE AND COMPOSITION

KISD #: 0145

Grades: 12 1.0 Credit

Prerequisite: None

The AP® English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. **Students enrolled in this course must take the AP® exam to earn [college credit](#).**

Advanced Grade Points: Yes

ENGLISH 4 DUAL CREDIT

KISD #: 0141DC

Grades: 12 1.0 Credit

Prerequisite: Meet district & Lone Star College guidelines

A survey of development of British literature from the Anglo-Saxon period to the 18th Century and from the Romantic period to present. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions. **Students are expected to purchase the required college textbook. Students must earn a minimal score on the TSIA exam prior to enrollment in the course.**

Advanced Grade Points: Yes

Dual Credit Correlation: ENGL 2322 and 2323



TRANSITION TO COLLEGE ENGLISH

KISD #: 0501

Grades: 12 **1.0 Credit**

Prerequisite: **Meets district guidelines**

The focus of the course will be on applying critical reading skills for organizing, analyzing, and retaining material and developing written work appropriate to the audience, purpose, and length of the assignment. This course is designed to prepare students for college level reading and writing courses. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of academic essays. Students will learn to (1) write logical and effective essays; (2) utilize textual support to develop reading comprehension strategies; and (3) analyze, synthesize and make value judgments using critical thinking.

Independent Study in English Klein Prep (KP) or Gifted and Talented

KISD #: 0148, 0149

Grades: 10-12 **1.0 Credit**

Prerequisite: **concurrent with an English course**

Independent Study in English is designed for gifted and high-achieving students who wish to pursue independent study and research in an English-related area or field of interest. The curriculum includes various activities designed by both the student and the instructor. The learning is focused on independent research addressing individual student interests and the production of advanced and or sophisticated products assessed by an expert in the field. Potential students must submit a plan of study that is subject to approval by the English department chairperson. Students are assigned to a class period each day conducted by the consulting teacher who will monitor the progress of the project, prepare progress reports, and complete critical evaluations.

Advanced Grade Points: Yes

English Language Development and Acquisition I (ELDA 1)

KISD#: 0850

Grades: 9-12 **1.0 Credit**

Prerequisite: **Counselor Approval**

This state credit elective course is designed for newcomer students in their first three years in U.S. schools. This course enables the student to become increasingly proficient in English in all four language domains. These students have scored beginning language level on the state-approved English oral language proficiency tests. This must be taken concurrently with a corequisite language arts course such as ESOL 1 or ESOL 2.

English Language Development and Acquisition 2 (ELDA 2)

KISD#: 0851

Grades: 9-12 **1.0 Credit**

Prerequisite: **ELDA 1 or Counselor Approval**

This state credit elective course is designed for newcomer students in their first three years in U.S. schools. This course enables the student to become increasingly proficient in English in all four language domains. These students have scored beginning language level on the state-approved English oral language proficiency tests. This must be taken concurrently with a corequisite language arts course such as ESOL 1 or ESOL 2. ELDA 1 is a prerequisite for this course.



READING 1

KISD #: 0197, 0198, 0197D (dyslexia), 0198D (dyslexia), 0201D (dyslexia)

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 1 is designed for students reading one to two years below their assigned grade level, who have been identified with dyslexia and require dyslexia intervention services and/or students who have failed the state assessment reading test. Individual diagnosis of student need determines the appropriate course of study. General areas of the instruction include the following: word attack skills, including structural analysis and contextual clues. vocabulary development, including the use of advanced and specialized dictionaries; general developmental comprehension skills; and, reading skills, including fluency and comprehension, applied to a variety of practical situations that are cross-curricular. Emphasis is on recognition and development of individual learning style and overall improvement of reading skills to ensure that high school students have an opportunity to read with competence, confidence, and understanding. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation. **Note: THIS COURSE IS REQUIRED FOR THOSE WHO DID NOT MEET THE STANDARD ON THE EIGHTH OR NINTH GRADE STATE ASSESSMENT READING TEST.**

READING 2

KISD #: 0201, 0201D (dyslexia)

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 2 is designed for students who have taken Reading 1 and could benefit from reinforcement of fluency word attack skills, vocabulary development, comprehension skills, and reading skills applied to a variety of practical situations. This course is also designed for students who have been identified with dyslexia and required dyslexia intervention services. Emphasis is on recognition and development to individual learning style and overall improvement of reading skills. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation.

READING 3

KISD #: 0205

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 3 is designed for students who have taken two years of reading and could benefit from a third year of reading to reach English proficiency. Skills addressed in Reading 1 and Reading 2 will be reinforced. A maximum of three credits in Reading 1, 2, or 3, and/or Reading Elective may count toward graduation.

READING ELECTIVE

KISD #: 0204

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

The reading elective course is designed to assist and instruct the non-proficient reader who has had difficulty in learning to read. In addition, the course is designed to provide appropriate instructional strategies for students who have been identified as dyslexic or are at risk for dyslexia. Though this course is structured to include the Texas Essential Knowledge and Skills, the primary emphasis is on the following: use of a variety of word recognition strategies; vocabulary development through reading and systematic word study; reading with fluency and understanding in increasingly demanding texts; and comprehension strategies and skills to gain meaning from whatever is read.

READING 1 SHELTERED INSTRUCTION

KISD #: 0198

Grades: 9-12 .5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 1 Sheltered offers students reading instruction to successfully navigate academic demands as well as attain lifelong literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency provides students an opportunity to read with competence, confidence, and understanding. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas. This course could be taken concurrently with ESOL 1 or English 1 Sheltered.



READING 2 SHELTERED INSTRUCTION

KISD #: 0298

Grades: 9-12

.5 to 1.0 Credit

Prerequisite: Counselor Approval

Reading 2 Sheltered offers students reading instruction to successfully navigate academic demands as well as attain lifelong literacy skills. Specific instruction in word recognition, vocabulary, comprehension strategies, and fluency, providing students an opportunity to read with competence, confidence, and understanding. All of these strategies are applied in instructional-level and independent-level texts that cross the content areas. This course could be taken concurrently with ESOL 2 or English 2 Sheltered.

CREATIVE AND IMAGINATIVE WRITING

KISD #: 0146

Grades: 11-12

1.0 Credit

Prerequisite: STAAR Commended Performance

Advanced Grade Points: YES

Creative/Imaginative Writing is designed for students who enjoy writing and are interested in producing original work. The course focuses on the principles of creative writing and producing original work with emphasis on stylistic techniques such as the use of figurative language and other literary devices and various organizational models used for the development of text structure. Emphasis is placed on the production of original works that afford the student the opportunity to develop an individual style of writing. Procedures for submitting original works for publication are included in this course.

PRACTICAL WRITING SKILLS

KISD #: 0170, 0172

Grades: 11-12

.5 -1.0 Credit

Prerequisite: Counselor Approval

Practical Writing Skills is designed for the student who has demonstrated a need for more intensive, targeted instruction in writing. The course includes instruction in techniques of effective writing for both practical and test situations, including STAAR. Each student's writing will be evaluated, and emphasis will then be placed on the interventions that are necessary in

in order for the student to succeed when writing is a requirement. This course will include activities that will enable the student to learn to write effectively when required to complete applications, orders, memos, notes, and the like. The final assessment of the course will include a post-test that will provide data regarding student progress regarding effective writing skills. THIS COURSE IS REQUIRED FOR THOSE STUDENTS WHO DID NOT MEET THE STANDARDS ON THE WRITING COMPONENT OF THE STATE ASSESSMENT.

PRACTICAL WRITING SKILLS SHELTERED INSTRUCTION

KISD #: 0172S

Grades: 11-12

.5 -1.0 Credit

Prerequisite: Counselor Approval

Practical Writing Skills Sheltered Instruction is designed to support emergent bilingual students who have demonstrated a need for more intensive, targeted instruction in writing. The course includes instruction in techniques of effective writing for both practical and test situations, including STAAR. Each student's writing will be evaluated, and emphasis will then be placed on the interventions that are necessary in order for the student to succeed when writing is a requirement. This course will include activities that will enable the student to learn to write effectively when required to complete applications, orders, memos, notes, and the like. The final assessment of the course will include a post-test that will provide data regarding student progress regarding effective writing skills. This course will have an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content for emergent bilingual students.

ORAL INTERPRETATION

KISD #: 0162

Grades: 11-12

1 Credit

Prerequisite: Oral Interpretation 2

This course is specifically designed for the highly motivated, advanced oral interpretation student who wishes to perfect performance skills through participation in top-level competitive speech tournament events. Additionally, the course curriculum includes a general survey of and comparison between high school and college competitive speech events and professional presentations. The course emphasizes the application of verbal and nonverbal skills and critical-thinking and problem-solving processes.



DEBATE 1

KISD #: 0163

Grades 9-12

1 Credit

Prerequisite: Public Speaking 1, Public Speaking 2, or Communication Applications and Sponsor Approval

Debate 1 is designed for the student who wishes to explore and learn the fundamental concepts and skills of debate. The curriculum focuses on the following general elements of debate: formats and forums for debate; processes of logic and critical thinking; reading and researching information from diverse sources and materials; development of single-issue briefs; exploration of resolutions through definition, potential issues, use of "should," and unique requirements of value and fact topics; affirmative and negative case construction; process of cross-examination as witness, questioner, or auditor; oral, aural, and written evaluation of arguments; and, the presentation of debate through reading, writing, listening, speaking, and analyzing competitive tournament debating

DEBATE 2

KISD #: 0164

Grades: 9-12

1 Credit

Prerequisite: Debate and Sponsor Approval

Debate 2 further expands and refines the course objectives outlined in the introductory Debate 1 course. This course is designed for the student who wishes to participate in practical applications of debate skills through competitive debate events.

DEBATE 3

KISD #: 0165

Grades: 11-12

1 Credit

Prerequisite: Debate 2

Debate 3 further expands and refines the course objectives outlined in the Debate 1 and 2 curricula. This course is specifically designed for the highly motivated, advanced debater who wishes to perfect debate skills through participation in top-level competitive debate events. Additionally, the course curriculum includes a general survey of and comparison between high school and college debate techniques.

JOURNALISM 1

KISD #: 0150

Grades: 9-12

1 Credit

Prerequisite: Mastery of State Writing Assessment

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff. This course is also listed in the CTE/Technology Applications pages of the course guide.

PHOTOJOURNALISM

KISD #: 0158

Grades: 9-11

0.5 Credit

Prerequisite: Sponsor Approval

Photojournalism combines the art of photography with the story-telling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. **Students are required to provide their own non-automatic, DSLR camera.** This course is also listed in the CTE/Technology Applications pages of the course guide.

ADVANCED JOURNALISM: YEARBOOK 1

KISD #: 0191

Grades: 9-12

1 Credit

Prerequisite: Journalism 1 or Photojournalism and/or Sponsor Approval

In Advanced Journalism: Yearbook 1, students will work as a team to create a yearbook. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.



ADVANCED JOURNALISM: YEARBOOK 2

KISD #: 0192

Grades: 10-12

1 Credit

Prerequisite: **Advanced Journalism: Yearbook 1 and Sponsor Approval**

In Advanced Journalism: Yearbook 2, students will work as a team to create a yearbook. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students are expected to increase involvement and responsibility on staff. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

ADVANCED JOURNALISM: YEARBOOK 3

KISD #: 0193

Grades: 11-12

1 Credit

Prerequisite: **Advanced Journalism: Yearbook 2 and Sponsor Approval**

In Advanced Journalism: Yearbook 3, students will work as a team to create a yearbook. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. **As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Advanced Grade Points: Yes

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 1

KISD #: 0194

Grades: 9-12

1 Credit

Prerequisite: **Journalism 1 or Photojournalism and/or Sponsor Approval**

In Advanced Journalism: Newspaper Production 1, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 2

KISD #: 0195

Grades: 10-12

1 Credit

Prerequisite: **Advanced Journalism Newspaper Production 1 and Sponsor Approval**

In Advanced Journalism: Newspaper Production 2, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 3

KISD #: 0196

Grades: 12

1 Credit

Prerequisite:

Advanced Journalism Newspaper Production 2 and Sponsor Approval

In Advanced Journalism: Newspaper Production 3, students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. **As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.** This course is also listed in the CTE/Technology Applications pages of the course guide.

Advanced Grade Points: Yes

INDEPENDENT STUDY OF JOURNALISM

KISD #: 0156, 0157, 0159

Grades: 12

1 Credit

Prerequisite:

Sponsor Approval and completion of Advanced Journalism

Independent Study/Journalism is for editors of the yearbook or newspaper. Students work collaboratively to plan deadlines, layout and content ideas for their designated publication. This course is also listed in the CTE/Technology Applications pages of the course guide.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

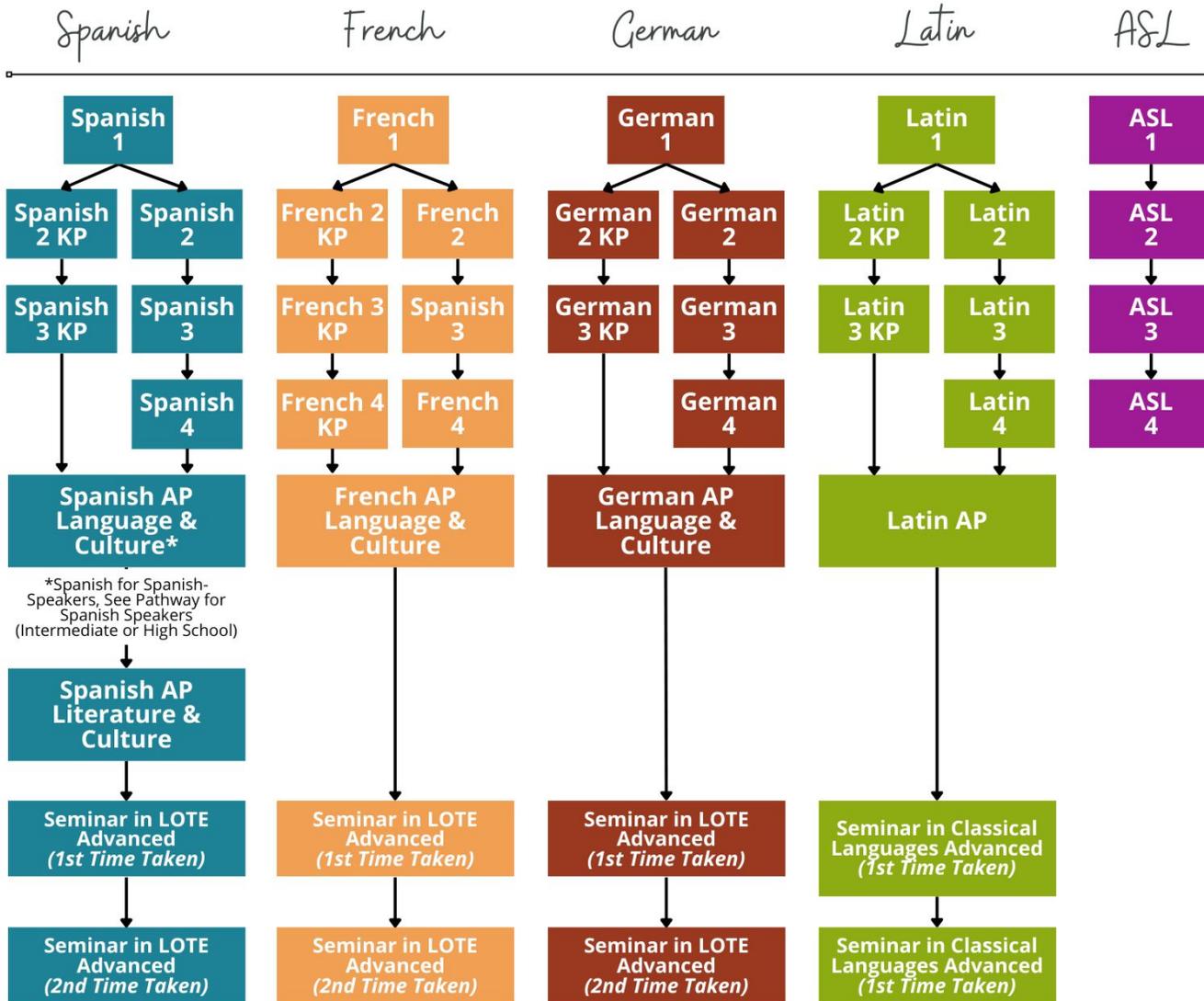
College programs

Course Fees

Index



Languages Other Than English



Students should take **two levels of the same foreign language** to meet the requirements for the Foundation High School Program.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

AMERICAN SIGN LANGUAGE (ASL) I

KISD #: 2641

Grades: 9-12 1 Credit

Prerequisite: None

This course introduces the fundamental elements of American Sign Language within a cultural context. Emphasis is placed on the development of basic expressive and receptive skills. Upon completion, students will be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness.

AMERICAN SIGN LANGUAGE (ASL) II

KISD #: 2642

Grades: 9-12 1 Credit

Prerequisite: ASL 1

This course is a continuation of ASL 1 focusing on the fundamental elements of American Sign Language in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills. Upon completion, the students should be able to comprehend and respond with increasing accuracy to expressive American Sign Language and demonstrate cultural awareness.

AMERICAN SIGN LANGUAGE (ASL) III

KISD #: 2643

Grades: 9-12 1 Credit

Prerequisite: ASL 2

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

MODERN LANGUAGES AND CHINESE: CHINESE, FRENCH, GERMAN AND SPANISH

Level I

Grades: 9-12 1 Credit

Prerequisite: None

The goal of the study of beginning levels in modern languages is communicative competence. This course will introduce students to the language and will develop novice-level proficiency in speaking, listening, reading, and writing. At the end of this course, students will be expected to reach a Novice mid-Novice high proficiency level and will be able to engage in simple conversations within the limits of practiced vocabulary and structure. Students will also gain perspective and insight into the cultures of the countries where the language is spoken. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Level II

Grades: 9-12 1 Credit

Prerequisite: Level 1 or placement test

Level II provides opportunities to further develop proficiency in speaking, listening, reading, and writing. Emphasis is placed on expanding accuracy in vocabulary and structures and on broadening knowledge of cultural understanding. At the end of the course, it is expected that students will reach a Novice-high to Intermediate-low proficiency level.

Level III

Grades: 9-12 1 Credit

Prerequisite: Level 2 or placement test

Level III courses will provide opportunities to develop intermediate language proficiency in listening, speaking, reading, and writing. By the end of the course, students will have adequate control of basic structural patterns and will be able to express themselves adequately. Students will also have a stronger understanding of the language and its cultural perspectives. Students will be expected to reach an Intermediate-low to Intermediate-mid proficiency level.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Level IV

Grades: 9-12 **1 Credit**

Prerequisite: Level 3 or placement test

Students in Level IV are expected to reach a proficiency level of Intermediate Mid to Intermediate High, as defined in the ACTFL Proficiency Guidelines 2012 and the ACTFL Performance Descriptors for Language Learners. Which means, students at the Intermediate Mid proficiency level express meaning in straightforward and personal contexts by easily combining and recombining what they know, what they read, and what they hear in short statements and a mixture of sentences and strings of sentences. Intermediate Mid students are able to understand some information from connected statements in oral or written sources. Intermediate Mid students are generally understood by listeners and readers accustomed to dealing with language learners. Intermediate Mid students are consistently successful when performing Intermediate-level tasks.

ADVANCED PLACEMENT® LANGUAGE LEVEL IV

Grades: 12 **1 Credit**

Prerequisite: Level 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in the target language. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Language courses. Classes are conducted in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee.

Advanced Grade Points: Yes

Seminar in Languages Other Than English, Advanced- French, German, Spanish, Chinese

NEW

Grades: 10-12 **1 Credit**

Prerequisite: AP Courses

This course is designed for students who are at a minimum performance level of Intermediate Mid to Advanced High on the American Council on the Teaching of Foreign Languages (ACTFL) scale. All products and presentations must be in the target language as the course shall be conducted exclusively in the target language. The student enrolled in a seminar course in a modern language will focus on a specialized area of study such as the work of a particular author, genre, or topic. The student will speak, write, read, and listen, as appropriate, in the target language for a variety of audiences and purposes. The student is expected to plan, draft, and complete written compositions as well as oral presentations on a regular basis and carefully examine his or her papers and presentations for clarity, engaging language, and the correct use of the conventions and mechanics of the target language as applicable. The student will be required to create and present a comprehensive portfolio.

INTERMEDIATE SPANISH FOR NATIVE SPEAKERS

KISD #: 2596Y

Grades: 9-12 **1 Credit**

Prerequisite: Placement Test

Spanish for Spanish Speakers I is designed for the student who has an ability to understand and speak Spanish. The emphasis of the instruction will be to expand the student's existing oral proficiency through focus on grammatical concepts and to develop the skills of reading and writing in Spanish so they can communicate more successfully in social and business situations.

Advanced Grade Points: Yes

ADVANCED SPANISH FOR NATIVE SPEAKERS

KISD #: 2598 and 2592

Grades: 9-12 **2 Credits**

Prerequisite: Intermediate Spanish for Spanish Speakers or placement test

This course is designed for students who have successfully completed Intermediate Spanish for Spanish Speakers (or those placed by testing). The emphasis of the instruction will be to expand the students' speaking and listening skills; and will be conducted solely in Spanish. Students will also read authentic texts in Spanish and use them as the basis for literary and grammatical analysis, as well as cultural and historical studies. The emphasis will be to further the student's oral proficiency and to continue the development of skills in reading and writing using contemporary literature. Semester 2 is designed for students with a high level of proficiency in the language. ***Students must pass the first semester with a 70+ to be eligible for the second semester in the spring. Successful completion of both semesters will prepare students to take the Spanish IV AP course the following year.***

Advanced Grade Points: Yes



Languages Other Than English

SPANISH 1

KISD #: 2601

Grades: 9-12 1 Credit

Prerequisite: None

Spanish 1 is an introduction to the Spanish-speaking world, its language, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced holistically through both oral and written expression. The student will develop an understanding of Spanish culture.

SPANISH 1 KLEIN PREP (KP)

KISD #: 2601Q

Grades: 9-12 1 Credit

Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 2

KISD #: 2602

Grades: 9-12 1 Credit

Prerequisite: Spanish 1

Spanish 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

SPANISH 2 KLEIN PREP (KP)

KISD #: 2602Q

Grades: 9-12 1 Credit

Prerequisite: Spanish 1 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 2 Pre-IP (Klein Oak HS Only)

KISD #: 3490

Grades: 9-10 1 Credit

Prerequisite: Spanish 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 3

KISD #: 2603

Grades: 9-12 1 Credit

Prerequisite: Spanish 2

Level III Spanish classes are conducted in the language and provide opportunities to develop intermediate language proficiency in speaking, listening, reading and writing; so as to meet the ACTFL standards of proficiency in the language.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



SPANISH 3 KLEIN PREP (KP)

KISD #: 2604Q

Grades: 9-12 1 Credit

Prerequisite: Spanish 2 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the Spanish language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

SPANISH 3 Pre-IP (Klein Oak HS Only)

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1 and 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 4 Pre-IP (Klein Oak HS Only)

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1, 2, & 3 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® SPANISH LANGUAGE

KISD #: 2609

Grades: 9-12 1 Credit

Prerequisite: Spanish 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish and is for highly qualified students who excel in language study and are interested in accepting the challenges of a more rigorous instructional program. The Advanced Placement (AP) Spanish-Language course covers the equivalent of a third-year college course in advanced Spanish composition and conversation with emphasis on the development of advanced proficiencies. The course emphasizes language skills, composition, and grammar with emphasis on active communication with the following objectives: (1) the ability to comprehend formal and informal spoken Spanish; (2) the acquisition of vocabulary to allow reading of newspapers and magazines, and modern Spanish literature; (3) the ability to write well-organized essays; and, (4) the ability to express ideas orally with accuracy and fluency. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Spanish Language and Culture course. The Advanced Placement (AP) program is a co-operative effort with The College Board. The student will be prepared to take an examination upon which successful completion will enable participating colleges to grant credit and appropriate placement. The student is responsible for the examination fee. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® SPANISH LITERATURE

KISD #: 2600

Grades: 9-12 1 Credit

Prerequisite: AP Spanish Language or placement test

The AP® Spanish Literature course is designed to provide students with a learning experience equivalent to that of an introductory college course. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. Classes are conducted solely in the language to meet the ACTFL standards of proficiency in the language. The student is responsible for the AP examination fee. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes



Languages Other Than English

INTERNATIONAL BACCALAUREATE® SPANISH Standard Level (Klein Oak HS Only)

KISD #: 3450 (accelerated course) or 3450SL1 & 3450SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 3, Pre-IP Spanish 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB Spanish SL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® SPANISH Higher Level (Klein Oak HS Only)

KISD #: 3451HL1 & 3451HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB Spanish HL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.**

Advanced Grade Points: Yes

CLASSICAL LANGUAGES: LATIN

LATIN 1

KISD #: 2631

Grades: 9-12 1 Credit

Prerequisite: None

This course serves as an introduction to the study of Latin as a classical language. Basic listening, speaking, reading, and writing skills are developed progressing toward a novice-mid level proficiency. Communication skills are the primary focus of language acquisition. At the end of Level I, students will be able to express themselves and engage in simple conversations in Latin within the limits of their knowledge of vocabulary and structure.

LATIN 1 KLEIN PREP (KP)

KISD #: 2631Q

Grades: 10-12 1 Credit

Prerequisite: Latin 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

LATIN 2

KISD #: 2632

Grades: 10-12 1 Credit

Prerequisite: None

This novice-mid to novice-high proficiency level course is a continuation of the novice-mid proficiency established in Latin 1. As the course continues, new grammar and structural concepts are included with an increased emphasis on reading, writing, speaking and listening and the culture of the Roman Empire.

LATIN 2 KLEIN PREP (KP)

KISD #: 2632Q

Grades: 10-12 1 Credit

Prerequisite: Latin 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

LATIN 3

KISD #: 2633

Grades: 11-12 1 Credit

Prerequisite: Latin 2

This course emphasizes intermediate-low to intermediate-mid proficiency development. The student will study the writings of Cicero, Pliny, and Livy, and will be able to write simple, directed compositions.

LATIN 3 KLEIN PREP (KP)

KISD #: 2634Q

Grades: 11-12 1 Credit

Prerequisite: Latin 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and will provide opportunities for students to acquire intermediate-mid to intermediate-high proficiency in Latin. Readings will consist of works such as Cicero and Ovid.

Advanced Grade Points: Yes

LATIN 4

KISD #:

Grades: 11-12 1 Credit

Prerequisite: Latin 3

This course will give students an additional year to build proficiency in the language before moving on to the AP course. Emphasis will be placed on listening, speaking, reading, and writing.

ADVANCED PLACEMENT® LATIN

KISD #: 2637

Grades: 11-12 1 Credit

Prerequisite: Latin 3 or placement test

Since the appreciation of Latin literature requires an understanding of the literary techniques of Latin writers and of poetic meters when appropriate, stylistic analysis is an integral part of the advanced work of the course. The AP Latin course includes the study of the cultural, social, and political context of literature. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. **Students enrolled in this course are responsible for the exam fee and must take the AP® exam to earn [college credit](#).**

Advanced Grade Points: Yes

Seminar in Classical Languages, Advanced –Latin

KISD #: 2690

Grades: 10-12 1 Credit

Prerequisite: AP Courses

(This course may be taken with different course content for a maximum of three credits).

Students will study topics assigned by the teacher for research and presentation. A prerequisite to enroll into this course is a minimum proficiency level of Advanced Mid in reading and a minimum performance level of Novice High in listening, speaking, and writing on the American Council on the Teaching of Foreign Languages (ACTFL) scale. Fluency in Latin should reflect a minimum proficiency level of Novice High in the speaking, listening, and writing skills. The student will be required to create and present a comprehensive portfolio.

MANDARIN CHINESE 1

2651

Grades: 9-12 1 Credit

Prerequisite: None

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

MANDARIN CHINESE KLEIN PREP (KP) 2

2652Q

Grades: 9-12 1 Credit

Prerequisite: Mandarin Chinese 1

This course is the third year of the Sign Language sequence. In this course, the student will continue to develop proficiency in communicating by learning vocabulary, syntax and grammar. In addition to understanding the deaf culture, students will learn how to interact competently and comfortably with hearing-impaired individuals.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

MANDARIN CHINESE KLEIN PREP (KP) 3

NEW

Grades: 9-12 1 Credit

Prerequisite: Mandarin Chinese 2 or Placement Test

This course is designed for students preparing for the AP tract. Students will complete the study of the basic structure of the language while deepening their communication skills and will be taught exclusively in Chinese.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® MANDARIN CHINESE

NEW

Grades: 12 1 Credit

Prerequisite: Mandarin Chinese 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Chinese. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement Chinese-Language course. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. Students enrolled in this course are responsible for the exam fee and must take the AP® exam to earn [college credit](#).

Advanced Grade Points: Yes

FRENCH 1

KISD #: 2611

Grades: 9-12 1 Credit

Prerequisite: None

French 1 is an introduction to the French-speaking world, its language, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced holistically through both oral and written expression. The student will develop an understanding of the culture of the French-speaking world.

FRENCH 1 KLEIN PREP (KP)

KISD #: 2611Q

Grades: 9-12 1 Credit

Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

FRENCH 2

KISD #: 2612

Grades: 9-12 1 Credit

Prerequisite: French 1

French 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Students will study the culture not only of France, but

also, the French-speaking world. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

FRENCH 2 KLEIN PREP (KP)

KISD #: 2612Q

Grades: 9-12 1 Credit

Prerequisite: French 1

This course is designed for students preparing for the AP tract. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

FRENCH 2 Pre-IP (Klein Oak HS Only)

KISD #: 3482

Grades: 9-10 1 Credit

Prerequisite: French 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

FRENCH 3

KISD #: 2613

Grades: 9-12 1 Credit

Prerequisite: French 2

French 3 emphasizes speaking and listening skills. By the end of the year, students will have a general knowledge of the basic structure of the language and will be able to converse on a variety of topics. Cultural topics will include contemporary issues in French-speaking countries as well as real-life situations students might encounter while visiting a French-speaking country.

Advanced Grade Points: Yes

FRENCH 3 KLEIN PREP (KP)

KISD #: 2614Q

Grades: 9-12 1 Credit

Prerequisite: French 2 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract. Students will complete the study of the basic structure of the language while deepening their communication skills and will be taught exclusively in French.

Advanced Grade Points: Yes

FRENCH 3 Pre-IP (Klein Oak HS Only)

KISD #: 3484

Grades: 9-11 1 Credit

Prerequisite: French 1, French 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

FRENCH 4 KLEIN PREP (KP)

KISD #: 2616PA

Grades: 9-12 1 Credit

Prerequisite: French 3 KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract. The goal is to create reasonable fluency in the four communication areas: reading, writing, listening, and speaking. This course is designed to prepare students for the College Board Advanced Placement French Language and Culture examination.

Advanced Grade Points: Yes

FRENCH 4 Pre-IP (Klein Oak HS Only)

KISD #: 3486

Grades: 10-11 1 Credit

Prerequisite: French 1-2, French 3 (Pre-IP/KP strongly recommended)

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® FRENCH LANGUAGE

KISD #: 2620

Grades: 9-12 1 Credit

Prerequisite: French 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement French-Language course. Students enrolled in this course are responsible for the exam fee and must take the AP® exam to earn [college credit](#).

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Languages Other Than English

INTERNATIONAL BACCALAUREATE® FRENCH Standard Level (Klein Oak HS Only)

KISD #: 3440 (accelerated course) or 3440SL1 & 3440SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP French 3, Pre-IP French 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB French SL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® FRENCH Higher Level (Klein Oak HS Only)

KISD #: 3451HL1 & 3451HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP French 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB French HL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.**

Advanced Grade Points: Yes

GERMAN 1

KISD #: 2621

Grades: 9-12 1 Credit

Prerequisite: None

German 1 is an introduction to the German-speaking world, its language, culture, and its people. The main emphasis is on early oral communication skills while developing reading and writing skills. Grammar skills are introduced through both oral and written expression. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

GERMAN 1 KLEIN PREP (KP)

KISD #: 2621Q

Grades: 9-12 1 Credit

Prerequisite: None

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-mid to novice-high proficiency levels. Classes are conducted mostly in the language to meet the ACTFL standards of proficiency in the language.

Advanced Grade Points: Yes

GERMAN 2

KISD #: 2622

Grades: 9-12 1 Credit

Prerequisite: German 1

German 2 emphasizes the further development of the four communication skills: reading, writing, speaking, and listening. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language.

GERMAN 2 KLEIN PREP (KP)

KISD #: 2622Q

Grades: 9-12 1 Credit

Prerequisite: German 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language. *German 2 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate® German enroll in this course.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



GERMAN 3

KISD #: 2623

Grades: 9-12 1 Credit

Prerequisite: German 2

German 3 classes are conducted in the language and provide opportunities to develop intermediate language proficiency in speaking, listening, reading and writing; so as to meet the ACTFL standards of proficiency in the language.

GERMAN 3 KLEIN PREP (KP)

KISD #: 2624Q

Grades: 9-12 1 Credit

Prerequisite: German 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the German language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language.

*German 3 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate® German enroll in this course.

Advanced Grade Points: Yes

ADVANCED PLACEMENT® GERMAN LANGUAGE

KISD #: 2627

Grades: 12 1 Credit

Prerequisite: German 3 or placement test

This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. Extensive training in the organization and writing of compositions is an integral part of the Advanced Placement German-Language course. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language.

Students enrolled in this course are responsible for the exam fee and must take the AP® exam to earn [college credit](#).

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® GERMAN Standard Level (Klein Oak HS Only)

KISD #: 3455 (accelerated course) or 3455SL1 & 3455SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: German 1-2, German 3 KP Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB German SL exam in May. Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® GERMAN Higher Level (Klein Oak HS Only)

KISD #: 3456HL1 & 3456HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: German 1-2, German 3 KP Required

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB German HL exam in May. Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.

Advanced Grade Points: Yes



Mathematics

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Strategic Learning for High School Mathematics

KISD #: 9923

Grades: 9

1 Credit (elective)

Prerequisite:

8TH Grade Mathematics

This course is intended to develop strategic mathematical learning strategies for under-prepared mathematics students. The basic strategies will stimulate students to think about their approach to mathematical learning. These basic strategies will include identifying errors in the teaching and learning process, input errors, physiological concerns, and key cognitive skills. The essential knowledge and skills will foster a deeper understanding of the task of learning mathematical concepts. This course is designed to fill gaps in prior learning and support students in improving their study skills. This course is designed for ninth grade students who have a history of struggling in mathematics and/or did not make satisfactory performance on state assessments and will provide a path toward future success.

ALGEBRA 1

KISD #: 0330

Grades: 9-10

1 Credit

Prerequisite:

8TH Grade Mathematics

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRA 1 Sheltered Instruction

KISD #: 0330S

Grades: 9-10

1 Credit

Prerequisite:

8TH Grade Mathematics

Counselor Approval

This course will cover the essential elements of Algebra 1 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designated to meet the needs of state category 1 and 2 emergent bilingual students who have been enrolled in U.S. schools 3 years or less. This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRA 1 KLEIN PREP (KP)

KISD #: 0330Q

Advanced Grade Points: yes

Grades: 9

1 Credit

Prerequisite:

8TH Grade Mathematics

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. A strong emphasis will be placed on critical thinking and problem-solving skills. The level of instruction and curriculum is intended for preparing students for Advanced Placement/Dual Credit mathematics courses.

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations. **Students will take the Alg 1 EOC**



ALGEBRA 1 KLEIN PREP (KP)/GT

KISD #: 0337

Advanced Grade Points: yes

Grades: 9

1 Credit

Prerequisite:

8TH Grade Mathematics and Meets District GT Guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. A strong emphasis will be placed on critical thinking and problem-solving skills. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses.

This course serves as the foundation to all upper level mathematics courses and is a requirement for graduation.

Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Students will take the Alg 1 EOC

ALGEBRAIC REASONING

KISD #: 0351

1 Credit

Grades: 10-11

1 Credit

Prerequisite:

Algebra 1

The focus of this course is intended on preparing students who need more time in developing algebraic concepts to be successful in subsequent math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I, continue with the development of mathematical reasoning related to algebraic understandings and processes, and deepen a foundation for studies in subsequent mathematics courses. Students will broaden their knowledge of functions and relationships, including linear, quadratic, square root, cubic, cube root, exponential, and absolute value. Students will study these functions through analysis and application that includes explorations of patterns and structure, number and algebraic methods, and modeling from data. This course will include the appropriate use of graphing technology.

ALGEBRAIC REASONING SHELTERED INSTRUCTION (For Newcomer Students)

KISD #: 0351S

1 Credit

Grades: 10-11

1 Credit

Prerequisite:

Algebra 1/Counselor Approval

This course is specifically designed for newcomer students in the beginning phases of language acquisition. Using Content-Based Language Instruction (CBLI), it ensures the simultaneous development of both language and mathematical content. The course supports emergent bilingual students with beginner and intermediate proficiency who have been enrolled in U.S. schools for three years or less, with a focus on creating a strong foundation for success in future math courses.

The primary goal of this course is to develop students' algebraic reasoning while accelerating their language acquisition. Students will engage in various methods and strategies that integrate mathematical concepts with language development. The course emphasizes active learning, structured language support, and mathematical discourse to enhance comprehension and application of key concepts.

GEOMETRY

KISD #: 0340

1 Credit

Grades: 9-11

1 Credit

Prerequisite:

Algebra 1

This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.



GEOMETRY SHELTERED INSTRUCTION

KISD #: 0340S

Grades: 9-11 **1 Credit**

Prerequisite: **Algebra 1 and Counselor Approval**

This course serves as a foundational math course and is a requirement for graduation. *This course emphasizes on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designated to meet the needs of state category 1 and 2 emergent bilingual students who have been enrolled in U.S. schools 3 years or less.*

This course will cover the essential elements of Geometry with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

GEOMETRY KLEIN PREP (KP)

KISD #: 0343Q

Advanced Grade Points: yes

Grades: 9-10 **1 credit**

Prerequisite: **Algebra 1 or Algebra 1 KLEIN PREP**

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Geometry concepts with extensions. Students will extend their work with proofs to include additional theorems and alternate proof approaches. The level of instruction and curriculum is intended for preparing students for advanced placement mathematics courses.

This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education.

GEOMETRY KLEIN PREP (KP)/GT

KISD #: 0347Q

Advanced Grade Points: yes

Grades: 9-12 **1 Credit**

Prerequisite: **Algebra 1 or Algebra 1 KP and Meets District GT Guidelines**

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 1 concepts with extensions. Students will extend their work with proofs to include additional theorems and alternate proof approaches. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes. This course serves as a foundational math course and is a requirement for graduation.

Students will connect previous knowledge from Algebra I to Geometry within the coordinate and transformational geometry strand. Through a focus on the development of proofs students will strengthen their mathematical reasoning skills in geometric contexts. Proportional reasoning skills and analysis of patterns to identify geometric properties will provide context for proofs about special segments and circles. Another focus will be on the application of formulas in multi-step situations using background knowledge in two- and three-dimensional figures. Finally, students will gain exposure to fundamental topics in probability and statistics which will prepare them for success in post-secondary education. The level of instruction/curriculum will focus on preparing the gifted student for advanced placement mathematics courses. This course may require independent and guided research. GT services are provided through the KLEIN PREP classes.

STATISTICS

KISD #: 0396

Grades: 11-12 **1 Credit**

Prerequisite: **Algebra 1**

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of variability and statistical processes. Students will study sampling and experimentation, categorical and quantitative data, probability and random variables, inference, and bivariate data. Students will connect data and statistical processes to real-world situations. In addition, students will extend their knowledge of data analysis.



FINANCIAL MATHEMATICS

KISD #: 919018

Grade: 10 - 12

1 Credit

Prerequisite: Algebra 1

You will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. You will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.

Required Fee/Materials: No

Industry Certification: None

ALGEBRA 2

KISD #: 0350

Grades: 11-12

1 Credit

Prerequisite: Algebra 1 and Geometry

This course is a prerequisite for many fourth-year math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ALGEBRA 2 SHELTERED INSTRUCTION

KISD #: 0350S

Grades: 11-12

1 Credit

Prerequisite: Algebra 1 and Geometry/ Counselor Approval

This course is a prerequisite for many fourth-year math courses. *This course emphasizes on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designated to meet the needs of state category 1 and 2 emergent bilingual students who have been enrolled in U.S. schools 3 years or less.*

Algebra 2 Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Algebra 2 with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I. Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations. Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ALGEBRA 2 KLEIN PREP (KP)

KISD #: 0353Q

Advanced Grade Points: yes

Grades: 9-11

1 Credit

Prerequisite: Algebra 1 or Algebra 1 KP and Geometry or Geometry KP

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Alg 2 concepts with extensions. A strong emphasis will be placed on critical thinking, problem solving skills, and a focus on functional analysis to align with the College and Career Readiness Standards. The level of instruction and curriculum is intended for preparing students for advanced placement mathematics courses.

This course is a prerequisite for many fourth-year math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I.

Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations.

Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.



ALGEBRA 2 KLEIN PREP (KP) /GT

KISD #: 0354Q Advanced Grade Points: yes
 Grades: 9-11 1 Credit

Prerequisite: Algebra 1/Algebra 1 KP and Geometry/Geometry KP and Meets District GT Guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Algebra 2 concepts with extensions. A strong emphasis will be placed on critical thinking, problem solving skills, and a focus on functional analysis to align with the College and Career Readiness Standards. The level of instruction and curriculum is intended for preparing gifted students for advanced placement mathematics courses.

This course is a prerequisite for many fourth-year math courses.

Students will build on the knowledge and skills for mathematics in Kindergarten-Grade 8 and Algebra I

Students will broaden their knowledge of quadratic functions, exponential functions, and systems of equations.

Students will study logarithmic, square root, cubic, cube root, absolute value, rational functions, and their related equations. Students will connect functions to their inverses and associated equations and solutions in both mathematical and real-world situations. In addition, students will extend their knowledge of data analysis and numeric and algebraic methods.

ADVANCED QUANTITATIVE REASONING

KISD #: 0391
 Grades: 11-12 1 Credit

Prerequisite: Algebra 1, Geometry and Algebra 2

In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics. This course is designed to prepare students for a variety of future paths in college, including the social sciences, computers, business, and health fields.

PRE-CALCULUS Advanced

KISD #: 0360 Advanced Grade Points: yes
 Grades: 10-12 1 Credit

Prerequisite: Algebra 1 or Algebra 1 KP, Geometry or Geometry KP and Algebra 2 or Algebra 2 KP

The level of instruction and curriculum is rigorous and intended for preparing students for college level mathematics coursework. Pre-calculus is the preparation for calculus.

Students will approach topics from a functional point of view, where appropriate, and are designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. Students will deepen their mathematical understanding and fluency with algebra and trigonometry and extend their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

PRE-CALCULUS KLEIN PREP (KP)

KISD #: 0363Q Advanced Grade Points: yes
 Grades: 10-12 1 Credit

Prerequisite: Algebra 1 KP, Geometry or Geometry KLEIN PREP and Algebra 2 or Algebra 2 KLEIN PREP

This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Precalculus concepts with extensions. The level of instruction and curriculum is intended for preparing students for AP Calculus and college level mathematics coursework.

Pre-calculus is the preparation for calculus.

The course approaches topics from a functional point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

PRE-CALCULUS KLEIN PREP (KP)/GT

KISD #: 0364Q **Advanced Grade Points:** yes
Grades: 10-12 **1 Credit**
Prerequisite: Algebra 1 KP, Geometry or Geometry KP and Algebra 2 or Algebra 2 KP and Meets District GT Guidelines

KP/GT courses are designed for identified gifted learners to receive differentiated instruction. This course is for students who are highly motivated, interested in a rigorous math program and will emphasize the study of Precalculus concepts with extensions. The level of instruction and curriculum is intended for preparing gifted students for AP Calculus and college level mathematics coursework.

The course approaches topics from a functional point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple representations. The study of Pre-calculus deepens students' mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels. Students investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use technology to build understanding, make connections between representations, and provide support in solving problems.

ADVANCED PLACEMENT PRECALCULUS

KISD #: 0362 **1 Credit**
Grades: 10-12 **Algebra 1, Geometry, Algebra 2**
Prerequisite: Algebra 1, Geometry, Algebra 2

AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: yes

PRE-CALCULUS ONRAMPS

KISD #: 0360ORA/0360ORB **1 Credit**
Grades: 11-12 **Geometry and Algebra 2**
Prerequisite: Geometry and Algebra 2

Students deepen and extend their knowledge of functions, graphs, and equations from their high school algebra and geometry courses so they can successfully work with the concepts in a rigorous university-level calculus course. **Students must pay the required course fee after enrollment within the first semester.**

Advanced Grade Points: yes

ADVANCED PLACEMENT[®] CALCULUS AB

KISD #: 0365 **Advanced Grade Points:** yes
Grades: 11-12 **1 Credit**
Prerequisite: Precalculus ADV or Precalculus KP (KLEIN PREP coursework recommended)

AP[®] Calculus AB is designed to be the equivalent of a first semester college calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course requires students to use definitions and theorems to build arguments and justify conclusions. **Students enrolled in this course are responsible for the exam fee and must take the AP[®] exam to earn college credit.**

ADVANCED PLACEMENT[®] CALCULUS BC

KISD #: 0367 **Advanced Grade Points:** yes
Grades: 11-12 **1 Credit**
Prerequisite: Precalculus ADV or Precalculus KLEIN PREP (KLEIN PREP coursework recommended)

AP[®] Calculus BC is designed to be the equivalent of a first and second semester college calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions. This course requires students to use definitions and theorems to build arguments and justify conclusions. All topics in the eight units of AP Calculus AB are also included in AP Calculus BC. However, AP Calculus BC contains two additional units (Units 9 and 10), plus some extra topics in Units 6—8. **Students enrolled in this course are responsible for the exam fee and must take the AP[®] exam to earn college credit.**



CALCULUS 3

KISD #: 0370

Grades: 11-12

1 Credit

Prerequisite:

Calculus AB or Calculus BC

Multivariable Calculus takes the concepts learned in the single variable calculus course and extends them to multiple dimensions. Topics discussed include: vector algebra; applications of the dot and cross product; equations of lines, planes, and surfaces in space; converting between rectangular, cylindrical, and spherical coordinates; continuity, differentiation, and integration of vector-valued functions; application of vector-valued functions such as curvature, arc length, speed, velocity, and acceleration; continuity, limits, and derivatives of multivariable functions, tangent planes and normal lines of surfaces; applying double and triple integrals to multivariable functions to find area, volume, surface area, mass, center of mass, and moments of inertia; vector fields; finding curl and divergence of vector fields; line integrals; conservative vector fields, conservation of energy; Green's Theorem; parametric surfaces, including normal vectors, tangent planes, and areas; orientation of a surface; Divergence Theorem; and Stokes's Theorem. This course is designed as an additional math course for those students who have successfully completed AP Calculus BC and have an interest in continuing their mathematical studies while in high school.

Advanced Grade Points: yes

ADVANCED PLACEMENT® STATISTICS

KISD #: 0397

Grades: 10-12

1 Credit

Prerequisite:

Algebra 2 or Algebra 2 KP (KLEIN PREP coursework recommended)

The AP® Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes evident in the content, skills, and assessment in the AP® Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. **Students enrolled in this course are responsible for the exam fee and must take the AP® exam to earn [college credit](#).**

Advanced Grade Points: Yes

STATISTICS ONRAMPS

KISD #: 0396ORA/0396ORB

Grades: 10-12

1 Credit

Prerequisite:

Algebra 1 and Algebra 2

Students develop the quantitative reasoning skills and habits of mind necessary to use data science and mathematical thinking effectively across multiple disciplines while learning the interactive applications and coding skills needed to meet the demands of higher education and the workplace. **Students must pay the required course fee after enrollment within the first semester.**

Advanced Grade Points: Yes

COLLEGE ALGEBRA ONRAMPS

KISD #: 0389ORA/0389ORB

Grades: 11-12

1 Credit

Prerequisite:

Alg 1 and Geometry

Students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. **Students must pay the required course fee after enrollment within the first semester.**

Advanced Grade Points: yes

TRANSITION TO COLLEGE MATH

KISD #: 0502

Grades: 12

1 Credit

Prerequisite:

Recommend Alg 2

Topics include basic algebraic operations, solving linear equations and inequalities, laws of integer exponents, factoring, rational expressions, the Cartesian coordinate system, graphing lines, finding equations of lines, solving linear systems, special products and factoring, rational expressions and equations, rational exponents, radicals, radical equations, quadratic equations, absolute value equations and inequalities, complex numbers, equations of lines, an introduction to the function concept, and graphing. This course covers Lone Star Math 0308 (Introductory Alg) and Math 0310 (Intermediate Algebra); these are transitional math courses for meeting college prerequisite courses. HS math credit will be given; this is not a Dual Credit course.



Independent Study Courses:

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics.

Independent Study: DUAL CREDIT COLLEGE ALGEBRA

KISD #: 0389A, 0389DC **Advanced Grade Points:** yes

Grades: 11-12 **1 Credit**

Prerequisite: **Algebra 2, TSI requirements and Counselor Approval**

This course requires students to meet enrollment deadlines for Lone Star College and fees apply.

The first semester of this course is designed to strengthen Algebraic, geometric, and statistical reasoning. Its focus will be on Algebra, geometry, and statistical concepts that relate to success in higher level mathematics. These concepts include foundational algebra skills, functions and their graphs, systems of equations, trigonometry, probability, and statistics. The content of the second semester of this course will provide the student with college level MATH-1314/College Algebra. **Students enrolled in this course are expected to purchase the required textbook.**

INDEPENDENT STUDY OF MATHEMATICS KLEIN PREP (KP)/GT

KISD #: 0384Q, 0386Q **Advanced Grade Points:** yes

Grades: 11-12 **1 Credit**

Prerequisite: **Algebra 1, Geometry, and Algebra 2**

Meets district guidelines, concurrent enrollment in Pre-Calculus

In Independent Study in Mathematics, students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics such as theory of equations, number theory, non-Euclidean geometry, linear algebra, advanced survey of mathematics, or history of mathematics. Potential students must meet prerequisites and have approval of the mathematics department chairman. When accepted, each student will work independently during an assigned period each day on the course selected and attend regularly scheduled seminars with his consulting teacher for progress reports and critical evaluations.

INTERNATIONAL BACCALAUREATE® MATH: APPLICATIONS & INTERPRETATIONS SL (Klein Oak HS Only)

KISD #: 3425

Grades: 11-12 **2 Credits earned within 1 academic year**

Prerequisite: **Algebra 1, Geometry, Algebra 2, and Pre-Calculus KP highly recommended**

This course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. Students are encouraged to solve real-world problems, construct and communicate this mathematically, and interpret the conclusions. Students are expected to work independently and develop an investigation mode, which can be applied to other subject areas, to common world occurrences and to topics that relate to the self-interest of students. This course culminates in the completion of the IB Mathematics: Applications & Interpretations SL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit..**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MATH: ANALYSIS & APPROACHES SL/HL (Klein Oak HS Only)

KISD #: 3421 or 3418HL1 & 3418HL2

Grades: 11-12 **2 Credits**

Prerequisite: **Geometry, Algebra 2, Pre-Calculus KP and AP Calculus AB/BC recommended**

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period, but at a higher level of rigor (students will earn 1 credit per year of completion). Subjects at HL are studied in greater depth and breadth than SL. This course includes topics that are traditionally part of a pre-university mathematics course such as calculus, trigonometry, and differential equations. The course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent, and rigorous way, achieved by a carefully balanced approach. This course places a strong emphasis on the ability to construct, communication, and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. This course culminates in the completion of the IB Mathematics: Analysis & Approaches HL exam in May. **Students enrolled in this course are responsible for the IB® exam fees and must take the exam to earn college credit.**

Advanced Grade Points: Yes

Science

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

BIOLOGY 1

KISD #: 0421

Grades: 9-11

1 Credit

Prerequisite:

None

This course is designed to acquaint the student with the concepts and processes of biology. A developmental approach is utilized beginning with life at the cell level and progressing to the most advanced life forms. Laboratory investigations are an integral part of the course. Topics of study shall include cytology, viruses, tissues and organs of the human systems, genetics, and biological evolution, and taxonomy, energy transfers in living organisms, homeostasis, ecosystems, and plants. During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

BIOLOGY 1 KLEIN PREP (KP)

KISD #: 0423Q

Grades: 9-12

1 Credit

Prerequisite:

None

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with concepts and processes of biology and is an expansion of the regular class. Experimentation and individual student inquiry are essential components of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

Advanced Grade Points: Yes

BIOLOGY 1 KLEIN PREP (KP)/GT

KISD #: 0427

Grades: 9-12

1 Credit

Prerequisite:

Meets district guidelines

This course is designed for the student with a high aptitude in science, and it acquaints the student with the concepts and processes of biology. This course focuses on strategies to support abstract reasoning problem solving, research skills and a students' active involvement in the learning process. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. GT services are provided through the KLEIN PREP classes. **This course requires an EOC exam.**

Advanced Grade Points: Yes

BIOLOGY 1 Pre-IP (Klein Oak High School Only)

KISD#: 3476

Grades: 9

1 credit

Prerequisite:

Acceptance into the IB[®] Programme

IB Preparatory Biology provides students with an understanding of the important underlying biological themes of form and function, equilibriums, and evolution as an underlying concept for understanding life on Earth. This course is appropriate for identified gifted learners who require specialized instructional services. Students will become knowledgeable about the ideas and concepts fundamental to biology. Pre-IP Biology is appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for Biology. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB Biology Standard Level and Higher Level courses. Students enrolled in this class must pass a Biology End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

Advanced Placement[®] BIOLOGY 1

KISD #: 0425

Grades: 10-12

1 Credit

Prerequisite:

Biology 1 and Chemistry 1

AP[®] Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes



BIOLOGY DUAL CREDIT

KISD #: 0425DC

Grades: 11-12 1 Credit

Prerequisite: Meets district guidelines

A contemporary course including applications of the scientific method, cellular and molecular biology, biochemistry, classical and human genetics, virology, and mechanisms of evolution. The course includes a detailed survey of the major phylogenetic lineages as well as the ecological roles and relationships as well as behavior of organisms which will be integrated throughout the course. **Students enrolled in this course are expected to purchase the required textbook.**

Advanced Grade Points: Yes

Dual Credit Correlation: BIOL 1406 and 1407

BIOLOGY 1 SHELTERED INSTRUCTION

KISD #: 0421S

Grades: 9-12 1 Credit

Prerequisite: Counselor Approval

The course will cover the essential knowledge and skills of the regular Biology course with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designed to acquaint the emergent bilingual student with the concepts and processes of biology. A developmental approach is utilized beginning with life at the cell level and progressing to the most advanced life forms. Laboratory investigations are an integral part of the course. Topics of study shall include cytology, viruses, tissues and organs of the human systems, genetics, biological evolution, taxonomy, energy transfers in living organisms, homeostasis, ecosystems, and plants. During instruction in this class, the textbooks, audiovisual materials, and lectures will include instruction and information concerning human growth and development. These topics are designed to inform and instruct only and not to enforce or diminish the individual's personal or religious attitudes. **This course requires an EOC exam.**

INTERNATIONAL BACCALAUREATE® BIOLOGY Standard Level (Klein Oak HS Only)

KISD #: 3430 (accelerated course) or 3430SL1 & 3430SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Biology KP required, Biology Pre-IP highly recommended

This course may be taken as an SL accelerated opinion in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. The material of study for IB® Biology (SL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTEGRATED PHYSICS AND CHEMISTRY

KISD #: 0411

Grades: 9-10 1 Credit

Prerequisite: None

This course is designed to acquaint the student with the concepts and processes of physics and chemistry. Laboratory investigations are an integral part of the course. These laboratory investigations will allow the student to utilize the scientific method and develop critical thinking skills while problem solving. Topics of study shall include properties and relationships of matter and energy, atomic structure, chemical formulas and equations, mechanics, heat, electricity and magnetism, motion, waves, light, and sound. This course is intended for students who did not pass Algebra 1 and who need more foundational knowledge prior to entering Chemistry or Physics.

INTEGRATED PHYSICS AND CHEMISTRY SHELTERED INSTRUCTION

KISD #: 0411S

Grades: 9-12 1 Credit

Prerequisite: Counselor Approval

The course will cover the essential knowledge and skills of the regular integrated physics and chemistry course with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content. This course is designed to acquaint the emergent bilingual student with the concepts and processes of physics and chemistry. Laboratory investigations are an integral part of the course. These laboratory investigations will allow the student to utilize the scientific method and develop critical thinking skills while problem solving. Topics of study shall include properties and relationships of matter and energy, atomic structure, chemical formulas and equations, mechanics, heat, electricity and magnetism, and light and sound.



OnRamps Biology

KISD #: 0425OR

Grades: 11-12 **1 Credit**

Prerequisite: TEKS Based HS Biology; TEKS Based HS Chemistry

This year-long course explores three big ideas of biology: the structure and function of biomolecules, the flow of energy through living systems via photosynthesis and cellular respiration, and how genetic information is expressed and transmitted both within and between cells. Students can earn four hours of UT Austin credit (3 for Lecture, 1 for Lab).

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® BIOLOGY Higher Level (Klein Oak HS Only)

KISD #: 3436HL1 & 3436HL2

Grades: 11-12 **1 Credit per year of study**

Prerequisite: Biology Pre-IP

This course must be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. Subjects at HL are studied in greater depth and breadth than SL. The material of study for IB® Biology (HL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology HL exam in May; exam fees apply.

Advanced Grade Points: Yes

CHEMISTRY

KISD #: 0431

Grades: 9-12 **1 Credit**

Prerequisite: Algebra 1, concurrent 2nd year HS Math

This course is designed to acquaint the student with the concepts and processes of chemistry. This laboratory program focuses on Chemistry concepts and how they apply to the physical world. The student builds an understanding of chemistry through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. All-important concepts are covered in several chapters in a spiraling process that allows students to see concepts in a variety of contexts and in ways that are meaningful to the student.

CHEMISTRY SHELTERED INSTRUCTION

KISD #: 0431S

Grades: 9-12 **1 Credit**

Prerequisite: Counselor Approval

Chemistry Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Chemistry with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

This course is designed to acquaint the student with the concepts and processes of chemistry. This laboratory program focuses on Chemistry concepts and how they apply to the physical world. The student builds an understanding of chemistry through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. All-important concepts are covered in several chapters in a spiraling process that allows students to see concepts in a variety of contexts and in ways that are meaningful to the student.

CHEMISTRY KLEIN PREP (KP)

KISD #: 0433Q

Grades: 9-12 **1 Credit**

Prerequisite: Algebra 1 and Meets district guidelines. **Concurrent:** 2nd year HS math

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with the concepts and processes of chemistry and is a modification and expansion of the regular class. Experimentation, individual student inquiry and mathematical applications are an integral part of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses.

Advanced Grade Points: Yes



CHEMISTRY KLEIN PREP (KP)/GT

KISD #: 0437

Grades: 9-12 1 Credit

Prerequisite: Algebra 1 and Meets district guidelines Concurrent: 2nd year HS Math

This course is designed for the student with a high interest in science and/or who intends to take further science courses. It is designed to acquaint the student with the concepts and processes of chemistry and is a modification and expansion of the regular class. Experimentation, individual student inquiry and mathematical applications are an integral part of the course. The level of instruction/curriculum will focus on preparing the student for advanced placement courses. This course focuses on strategies to support abstract reasoning problem solving, research skills and a students' active involvement in the learning process. GT services are provided through the KLEIN PREP classes.

Advanced Grade Points: Yes

CHEMISTRY PRE-IP (Klein Oak High School Only)

KISD#: 3478

Grades: 9-10 1 Credit

Prerequisite: Algebra 1 and Acceptance into the IB[®] Programme

Pre-IP Chemistry is a laboratory centered course that investigates the composition and behavior of matter. Skills emphasized are reading and writing scientific, technical information; collecting and analyzing data; note taking and time management. Students who successfully complete the course will be prepared for the rigorous academic demands of the IB Chemistry Standard Level and Higher Level courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

Advanced Placement[®] CHEMISTRY

KISD #: 0435

Grades: 10-12 1 Credit

Prerequisite: Chemistry 1 and Algebra 2

The AP[®] Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Students enrolled in this course must take the AP[®] exam to earn college credit. .

Advanced Grade Points: Yes

CHEMISTRY DUAL CREDIT

KISD #: 0431DC

Grades: 11-12 1 Credit

Prerequisite: Meets district guidelines

This course is designed for students with a high interest in science. This course is a preparatory course for student who have never had chemistry and covers the metric system, atoms and elements, bonding, solids, liquids, gases, stoichiometry, solutions, reactivity and acids and bases.

Advanced Grade Points: yes

Dual Credit Correlation:

CHEMISTRY 1 ONRAMPS

KISD #: 0480OR

Grades: 11-12 1 Credit

Prerequisite: Algebra 1

The Principles of Chemistry I course addresses the nature of matter, energy, chemical reactions, and chemical thermodynamics. Students will learn about descriptive chemistry of matter in the natural world, as well as compositional and reaction stoichiometry of chemical compounds

Advanced Grade Points: yes

PHYSICS

KISD #: 0441

Grades: 9-12 1 Credit

Prerequisite: Geometry preferred

Physics is the study of the interactions of matter and energy. This laboratory program focuses on physics concepts and how they apply to the physical world. The student builds understanding through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. Topics include: mechanics, properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear Physics. Mathematical applications are included throughout the course.



PHYSICS 1 SHELTERED INSTRUCTION

KISD #: 0441S

Grades: 9-12 **1 Credit**

Prerequisite: Counselor Approval

Physics 1 Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Physics with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

Physics is the study of the interactions of matter and energy. This laboratory program focuses on physics concepts and how they apply to the physical world. The student builds understanding through exploration, demonstration, questioning, and application of the concepts through a variety of inquiry-based activities. Topics include: mechanics, properties of matter, heat, sound and light, electricity and magnetism, and atomic and nuclear Physics. Mathematical applications are included throughout the course.

PHYSICS KLEIN PREP

KISD #: 0443Q

Grades: 9-12 **1 Credit**

Prerequisite: Algebra 1

In this course, students conduct laboratory and field investigations, use scientific practices during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion, changes within physical systems and conservation of energy and momentum, forces, characteristics and behavior of waves, and electricity and magnetism. Students will apply conceptual knowledge and collaborative skills to experimental design, implementation, and interpretation.

Advanced Grade Points: Yes

PHYSICS KLEIN PREP/GT

KISD #: 0444

Grades: 9-12 **1 Credit**

Prerequisite: Algebra 1

PHYSICS DUAL CREDIT

KISD #: 0441DC

Grades: 11-12 **1 Credit**

Prerequisite: Meets district guidelines

This course is designed for students with a high interest in science. This course covers the fundamental principles of physics, mechanics, thermodynamics, Newton’s Laws of Motion, gravitation and other forces and has an emphasis on problem solving. (Students cannot receive credit for both AP Physics 1 and DC Physics)

Advanced Grade Points: yes

Dual Credit Correlation: PHYS 1401

PHYSICS ONRAMPS

KISD #: 041ORA/0441ORB

Grades: 11-12 **1 Credit**

Prerequisite: Algebra 1, Geometry, and Algebra 2

Mechanics, Heat, and Sound introduces big ideas in physics, such as Newtonian mechanics (including motion, force, energy, and rotation), as well as solid and fluid mechanics, oscillations, waves, sound, and heat.

Advanced Grade Points: yes

ADVANCED PLACEMENT® PHYSICS 1

KISD #: 0445

Grades: 10-12 **1 Credit**

Prerequisite: Algebra 1 and 2 (Prior to or concurrent enrollment)

AP® Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes



ADVANCED PLACEMENT® PHYSICS 2

KISD #: 0448

Grades: 11-12 1 Credit

Prerequisite: AP Physics 1, Pre-Calculus (Prior to or concurrent enrollment)

AP® Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: fluids; thermodynamics; electrical force, field, and potential; electric circuits; magnetism and electromagnetic induction; geometric and physical optics; and quantum, atomic, and nuclear physics. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

GEOSCIENCE ONRAMPS

KISD Code: 0489ORA

Grade: 11 - 12 1 Credit

Prerequisite: Biology and Chemistry

Earth, Wind, and Fire is a course in geoscience literacy. It covers the fundamentals of how the Earth works, and how its various systems—the lithosphere, atmosphere, hydrosphere, and biosphere—interact to form the complex world in which we live.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS SL (Klein Oak HS Only)

KISD #: 3434 (accelerated course) or 3434SL1 & 3434SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre IP-Physics or AP Physics highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). Physics is the study of the relationship between matter and energy. The student will be introduced to fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students’ experimental and investigative skills, at least 40% of a student’s classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® PHYSICS Higher Level (Klein Oak HS Only)

KISD #: 3438HL1 & 3438HL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Physics or AP Physics required

This course must be taken over a two year period (students will earn 1 credit per year of completion). Students will encounter further extensions of the fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. In addition, the student will study topics on relativity, optics, and astrophysics. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students’ experimental and investigative skills, at least 40% of a student’s classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics HL exam in May; exam fees apply.

Advanced Grade Points: Yes



EARTH SYSTEMS SCIENCE

KISD #: 0456

Grades: 10-12

1 Credit

Prerequisite:

Algebra 1, 2 HS Science

Earth Systems Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that are designed to develop an understanding of the Earth’s system in space and time. Concepts included are the complex and dynamic history of the earth and the advances in technologies that help further that understanding, the geosphere and complex subsystems linking it to the Earth’s surface, and the fluid earth’s influences on climate and its implications to life on earth.

EARTH SYSTEMS SCIENCE SHELTERED INSTRUCTION

KISD #: 0454S

Grades: 10-12

1 Credit

Prerequisite:

Counselor Approval

Earth Systems Science Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Earth Science with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

In Earth Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that are designed to develop an understanding of the Earth’s system in space and time, solid Earth and fluid Earth.

ASTRONOMY

KISD #: 0455

Grades: 10-12

1 Credit

Prerequisite:

Algebra 1, IPC or Chemistry

In Astronomy, students conduct laboratory and field investigations, use scientific methods, and make informed decisions using critical thinking and scientific problem solving. Students study the following topics: astronomy in civilization, patterns and objects in the sky, our place in space, the moon, reasons for the seasons, planets, the sun, stars, galaxies, cosmology, and space exploration. Students who successfully complete Astronomy will acquire knowledge within a conceptual framework, conduct observations of the sky, work collaboratively, and develop critical-thinking skills.

INDEPENDENT STUDY SCIENCE KLEIN PREP

KISD #: 0450

Grades: 11-12

1 Credit

Prerequisite:

Biology, Chemistry, Algebra 2, approval from Science Department Chair

Preferred:

AP/DC English 3, AP Seminar, Physics

Independent Study in Science is intended to diversify programs of science study and give students the opportunity to study scientific topics in greater detail that may not be covered in chemistry, physics, or biology courses. Students will incorporate critical thinking and problem-solving skills to research a science topic of their passion through experimentation and data analysis. Students will be required to present their scientific research findings to a panel/audience. Each student will work independently during an assigned period each day on the research topic/thesis selected, and collaborate daily with the facilitating teacher on meeting progress report deadlines and critical evaluations. By the end of this course the student will be expected to have created and presented a rigorous, well-researched and well-designed laboratory report, research paper and presentation on their topic

Advanced Grade Points: Yes

AQUATIC SCIENCE

KISD #: 0451

Grades: 10-12

1 Credit

Prerequisite:

Biology 1 and IPC or Chemistry

In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.



AQUATIC SCIENCE SHELTERED INSTRUCTION

KISD #: 0451S

Grades: 10-12 **1 Credit**

Prerequisite: **Counselor Approval**

Aquatic Science Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Aquatic Science with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

In Aquatic Science, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: components of an aquatic ecosystem; relationships among aquatic habitats and ecosystems; roles of cycles within an aquatic environment; adaptations of aquatic organisms; changes within aquatic environments; geological phenomena and fluid dynamics effects; and origin and use of water in a watershed.

ENVIRONMENTAL SYSTEMS

KISD #: 0457

Grades: 10-12 **1 Credit**

Prerequisite: **Biology 1** **Corequisite: Chemistry**

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

ENVIRONMENTAL SYSTEMS SHELTERED INSTRUCTION

KISD #: 0457S

Grades: 10-12 **1 Credit**

Prerequisite: **Counselor Approval**

Environmental Systems Sheltered Instruction is designed to support emergent bilingual students. This course will cover the essential elements of Environmental Systems with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

In Environmental Systems, students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include the following: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, and changes in environments.

ADVANCED PLACEMENT® ENVIRONMENTAL SCIENCE

KISD #: 0465

Grades: 11-12 **1 Credit**

Prerequisite: **Biology 1 and Chemistry 1**

The AP® Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **Students enrolled in this course must take the AP® exam to earn college credit.**

ENVIRONMENTAL SCIENCE DUAL CREDIT

KISD #: 0465DC

Grades: 11-12 **1 Credit**

Prerequisite: **Biology 1 or Chemistry 1 preferred and meets district guidelines**

This course is designed as an interdisciplinary study of both natural (biology, chemistry, geology) and social (economics, politics, ethics) sciences as they apply to the environment. Focus is on the role of science in addressing global environmental concerns, energy issues, global warming, ozone loss, land use, conservation and management of resources, deforestation, biodiversity, waste, and sustainable practices. Concepts include ethics, policy, matter, energy, species biodiversity, ecology, human populations, food and agriculture. Practical laboratory experience emphasizes the application of fundamental principles of biology and chemistry as well as critical thinking and analysis.

Advanced Grade Points: yes

Dual Credit Correlation: ENVR 1401 and 1402



ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600
 Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology

Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook.

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600
 Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I (Recommended Prerequisite: Principles of Health Science and Medical Terminology)

Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. **Students enrolled in this course are expected to purchase the required textbook.**

ADVANCED PLANT & SOIL SCIENCE

KISD Code: 907118 PEIMS: 13002100
 Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Floral Design or Horticulture Science/Horticulture Science DC and Biology, Integrated Physics and Chemistry, Chemistry, or Physics, Algebra 1 and Geometry

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. A majority of this class is based on hands-on, lab and project based learning experiences. Students will also have the opportunity to participate in extended learning experiences, such as the Ag Science Fair, by joining the National FFA Organization. This is a 4th credit option. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

ADVANCED ANIMAL SCIENCE

KISD Code: 907018 PEIMS: 13000700
 Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

Are you preparing for a career in the animal science industry? Students who take this course will gain the opportunity to participate in experiments, laboratory explorations, and the study of animal science topics such as reproduction, breeding, genetics, anatomy, physiology, nutrition, health, and the marketing and harvesting of domestic livestock. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

ADVANCED ANIMAL SCIENCE DUAL CREDIT

KISD Code: 9070DC18
 Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

PEIMS: 13000700

The scientific study of animal agriculture involving beef cattle, dairy cattle, swine, sheep, goats, and horses. Topics covered will include general management practices, reproduction, nutrition, health, handling, genetic selection, shelter/housing and marketing strategies and procedures. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: YES

Industry Certification: Elanco Fundamentals of Animal Science Certification



FORENSIC SCIENCE

KISD Code: 963518 PEIMS: 13029500
Grade: 11 - 12 1 Credit

Grade Points: 5.5
Prerequisite: Law Enforcement I and Biology I and Chemistry I

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

MEDICAL MICROBIOLOGY

KISD Code: 928118 PEIMS: 13020700
Grade: 11 - 12 1 Credit

Grade Points: 6.0
Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology. You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases.

MEDICAL MICROBIOLOGY DUAL CREDIT

KISD Code: 9281DC18 PEIMS: 13020700
Grade: 11 - 12 1 Credit

Grade Points: 6.0
Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology. You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**
Required Fee/Materials: Yes
Industry Certification: None
Note: Dual Credit Correlation BIOL 2420
 Offered at Klein High and Klein Collins ONLY

PATHOPHYSIOLOGY

KISD Code: 928218 PEIMS: 13020800
Grade: 11 - 12 1 Credit

Grade Points: 6.0
Prerequisite: Anatomy and Physiology Recommended Prerequisite: Principles of Health Science and Medical Terminology

Students will conduct laboratory and field investigations, use scientific methods during investigations, make informed decisions using critical thinking and scientific problem-solving and demonstrate professional standards as related to business and industry. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.



Social Studies

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

WORLD GEOGRAPHY

KISD #: 0231

Grades: 9-10

1 Credit

Prerequisite:

None

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives.

WORLD GEOGRAPHY SHELTERED INSTRUCTION

KISD #: 0231S

Grades: 9-10

1 Credit

Prerequisite:

Counselor Approval

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Sheltered instruction techniques are used to help students master the essential concepts of the course. This course will cover the essential elements of World Geography with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

WORLD GEOGRAPHY KLEIN PREP (KP)

KISD #: 0233Q

Grades: 9-10

1 Credit

Prerequisite:

None

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Advanced students are expected to accelerate their learning in this course by developing a broad, conceptual perspective for a more in-depth study of geography.

Advanced Grade Points: Yes

WORLD GEOGRAPHY KLEIN PREP (KP)/GT

KISD #: 0237Q

Grades: 9-10

1 Credit

Prerequisite:

Meets district guidelines

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. Emphasis is placed on students' understanding and applying geographic concepts and skills to their daily lives. Advanced students are expected to accelerate their learning in this course by developing a broad, conceptual perspective for a more in-depth study of geography.

Advanced Grade Points: Yes

ADVANCED PLACEMENT[®] HUMAN GEOGRAPHY

KISD #: 0238

Grades: 9-12

1 Credit

Prerequisite:

None

AP[®] Human Geography introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

WORLD HISTORY

KISD #: 0221

Grades: 9-10

1 Credit

Prerequisite:

None

World History is the study of the historical development of people, places, and patterns of life from ancient times to the present. Students will use skills of historical and geographical analysis to explore the early history of the world.

WORLD HISTORY SHELTERED INSTRUCTION

KISD #: 0221N

Grades: 9-10

1 Credit

Prerequisite:

Counselor Approval

World History is the study of the historical development of people, places, and patterns of life from ancient times to the present. Students will use skills of historical and geographical analysis to explore the early history of the world. This course will cover the essential elements of US History with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.



ADVANCED PLACEMENT® WORLD HISTORY

KISD #: 0224

Grades: 9-10 **1 Credit**

Prerequisite: **None**

In AP® World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

US HISTORY

KISD #: 0211

Grades: 10-12 **1 Credit**

Prerequisite: **World Geography or World History**

United States History Since 1877 is the study of the historical development of American ideas and institutions from the Age of Exploration to the present. Students will learn fundamental concepts in civics, economics, and geography and obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States. **This course requires an EOC exam.**

US HISTORY SHELTERED INSTRUCTION

KISD #: 0211S

Grades: 10-12 **1 Credit**

Prerequisite: **Counselor Approval**

United States History Since 1877 is the study of the historical development of American ideas and institutions from the Age of Exploration to the present. Students will learn fundamental concepts in civics, economics, and geography and obtain a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States. This course will cover the essential elements of US History with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

This course requires an EOC exam.

ADVANCED PLACEMENT® US HISTORY

KISD #: 0215

Grades: 10-12 **1 Credit**

Prerequisite: **None**

In AP® U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. **All Students take the EOC test. Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

US HISTORY DUAL CREDIT

KISD #: 0221DC

Grades: 10-12 **1 Credit**

Prerequisite: **None**

A survey of U.S. history from Pre-Contact Societies to the present. Themes to be developed include westward expansion and globalization, Native Americans, industrialization, immigration, imperialism, political and social developments, the wars of the 220th century and the changing status and conditions of women and minorities. **Students enrolled in this course are expected to purchase the required textbook.**

Advanced Grade Points: Yes

Dual Credit Correlation: HIST 1301 and 1302



Social Studies

US HISTORY ONRAMPS

KISD #: 0221ORA/0211ORB

Grades: 10-12 1 Credit

Prerequisite: English 1, English 2 (or concurrent enrollment)

In these two sequential courses, students explore the scope and depth of the American experience, engaging with course material both independently and collaboratively to develop critical thinking skills, analyze evidence-based historical narratives, and conduct archival research. Each unit consists of primary and secondary sources that challenge students to uncover the complexities within historical study. **This course requires an EOC exam. Students must pay the required course fee after enrollment within the first semester.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® HISTORY OF THE AMERICAS HL (Klein Oak HS Only)

KISD #: 3410HL1 & 3410HL2

Grades: 11 and 12 1 Credit per year of study

Prerequisite: World Geography KP and AP World History

The IB History of the Americas is a two-year course of study that provides students with an intensive analysis of the political, economic, social, intellectual, diplomatic, and cultural development of early American history, as well as a transition into 20th century topics. It involves the study of a variety of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The six key concepts include: change, continuity, causation, consequence, significance, and perspectives. Students must pass a US History End of Course (EOC) exam to meet graduation requirements. This course culminates in the completion of the IB HOA HL exam in May; exam fees apply. ***This course replaces the U.S. History requirement for graduation.**

Advanced Grade Points: Yes

GOVERNMENT

KISD #: 0241

Grades: 11-12 0.5 Credit

Prerequisite: U.S. History

United States Government will provide students with knowledge of the American government system that will enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy; and the American economic system.

GOVERNMENT SHELTERED INSTRUCTION

KISD #: 0241S

Grades: 11-12 .5 Credit

Prerequisite: Counselor Approval

The United States Government will provide students with knowledge of the American government system that will enable them to participate effectively in civic life in America. Students will examine fundamental constitutional principles; the organization of government at the federal, state, and local level; the rights and responsibilities of citizenship; the policy-making process; political parties and elections; comparative government and foreign policy; and the American economic system. This course will cover the essential elements of Government with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

ADVANCED PLACEMENT® GOVERNMENT

KISD #: 0245

Grades: 11-12 .5 Credit

Prerequisite: US History (Prior to or concurrent enrollment)

AP® U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Social Studies

GOVERNMENT DUAL CREDIT

KISD #: 0241DC

Grades: 11-12 .5 Credit

Prerequisite: Meet district guidelines

Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties and civil rights. **Students enrolled in this course are expected to purchase the required textbook**

Advanced Grade Points: Yes

Dual Credit Correlation: GOVT 2305

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS

KISD #: 0251

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

Economics is a semester course that deals with the way that individuals and societies, particularly the United States, have chosen to use scarce resources for the production of alternative goods and how these resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based.

ECONOMICS WITH EMPHASIS ON THE FREE ENTERPRISE SYSTEM AND ITS BENEFITS SHELTERED INSTRUCTION

KISD #: 0251S

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

Economics is a semester course that deals with the way that individuals and societies, particularly the United States, have chosen to use scarce resources for the production of alternative goods and how these resources are distributed among the various peoples and groups in society. The course emphasizes the economic principles upon which the free enterprise system is based. This course will cover the essential elements of Economics with an emphasis on a variety of methods and strategies focusing on the acceleration of language acquisition and content.

PERSONAL FINANCIAL LITERACY AND ECONOMICS

KISD #: 0271

Grades: 11-12 .5

Prerequisite: U.S. Credit History

Personal Financial Literacy and Economics Course is a semester course that emphasizes the economic way of thinking, as a framework for the personal financial decision-making opportunities students will make. This course allows students the ability to anticipate and address financial challenges as these challenges occur over their lifetime, like how to invest in themselves with education and skill development, earn income, and budget for spending, saving, investing, and protecting. Students will be introduced to common economic and personal financial planning terms and concepts. Upon completion of the course students will gain the ability to lead productive and financially self-sufficient lives and realize how it impacts the greater economy.

Advanced Grade Points: No

ONRAMPS ECONOMICS

KISD #: 0257OR

Grades: 11-12 .5 Credit

Prerequisite: None (Algebra 2 Recommended)

Economics introduces students to the principles, models, and conditions that influence how consumers, businesses, governments, and workers make and evaluate economic decisions. The course places emphasis on microeconomics concepts and quantitative reasoning as students employ logic, mathematics, and technology to interpret basic statistics and apply economic analysis. It also features macroeconomics topics and personal financial literacy content in addition to core concepts including scarcity and opportunity costs, supply and demand, market structures, competition, and behavioral economics. Students can earn three hours of UT Austin credit.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT® MICROECONOMICS

KISD #: 0255

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

AP® Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ADVANCED PLACEMENT® MACROECONOMICS

KISD #: 0256

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

AP® Macroeconomics is a college-level course that introduces students to the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

ECONOMICS DUAL CREDIT

KISD #: 0251DC

Grades: 11-12 .5 Credit

Prerequisite: U.S. History

A study of macroeconomic principles. Analysis of the market economy; national income accounting; income determination; stabilization policies: monetary and fiscal policy; money and banking; demand and supply-side economics; monetarist vs. Keynesian view; inflation theories such as distinction between demand-pull and cost-push theories, Phillips curve analysis; labor market and determination of unemployment rate. **Students enrolled in this course are expected to purchase the required textbook..**

Advanced Grade Points: Yes

Dual Credit Correlation: ECON 2301

MEXICAN AMERICAN STUDIES

KISD #: 0269

Grades: 10-12 1 Credit

Prerequisite: None

Mexican American Studies is an elective, full-year course where students learn about the history and cultural contributions of Mexican Americans. Students explore history and culture from an interdisciplinary perspective. The course emphasizes developments in the twentieth and twenty-first centuries, but students will also engage with developments prior to the twentieth century.

AFRICAN AMERICAN STUDIES

KISD #: 0267

Grades: 10-12 1.0 Credit

Prerequisite: None

African American Studies is an elective, full year course where students learn about the history and cultural contributions of African Americans. Students are provided the opportunity to develop a greater understanding of various historical and current topics and the changing economic and social impacts of African Americans on the national culture and conscience.

PSYCHOLOGY

KISD #: 0260

Grades: 10-12 .5 Credit

Prerequisite: None

Psychology is an elective course where students learn about principles of learning, types of personalities, understanding human behavior, patterns of behavior, emotional and behavioral adjustments, group influences, social psychology.



ADVANCED PLACEMENT® PSYCHOLOGY

KISD #: 0262

Grades: 10-12 .5 Credit

Prerequisite: None

The AP® Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

PSYCHOLOGY DUAL CREDIT

KISD #: 0260DC

Grades: 11-12 .5 Credit

Prerequisite: None

This course is a survey of the essential subject areas, major theories, and approaches to the scientific study of behavior and mental processes.

Advanced Grade Points: Yes

Dual Credit Correlation: PSYC 2301

SOCIOLOGY

KISD #: 0261

Grades: 10-12 .5 Credit

Prerequisite: None

Sociology is an elective course where students study social behavior and organization of human society. This course will describe the development of the field as a social science by identifying methods and strategies of research leading to an understanding of how the individual relates to society and the ever changing world, the role of culture and social groups.

SOCIOLOGY DUAL CREDIT

KISD #: 0261DC

Grades: 10-12 .5 Credit

Prerequisite: U.S. History

This course is an introduction to the basic elements of society. In looking at human behavior, this course includes an introduction to dynamics of society, culture, social groups, social institutions, socialization, social processes, and social structure.

Advanced Grade Points: Yes

Dual Credit Correlation: SOCI 1301

ADVANCED PLACEMENT® EUROPEAN HISTORY

KISD #: 0226

Grades: 10-12 1 Credit

Prerequisite: None

In AP® European History, students investigate significant events, individuals, developments, and processes from approximately 1450 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world, economic and commercial development, cultural and intellectual development, states and other institutions of power, social organization and development, national and European identity, and technological and scientific innovations. **Students enrolled in this course must take the AP® exam to earn college credit.**

Advanced Grade Points: Yes

PERSONAL FINANCIAL LITERACY (Elective)

KISD #: 0270

Grades: 11-12 .5 Credit

Prerequisite: US History

Personal Financial Literacy is an elective, one-semester course that provides students with the knowledge and skills to make informed financial decisions and understand personal financial responsibility. This is an interactive course that includes topics such as credit card debt, renting and buying a home, starting a small business, investment options, banking, insurance, and methods for paying for college. Students who take this course are not eligible to take the personal financial literacy with economics course.



Physical Education

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

PE - LIFETIME FITNESS & WELLNESS PURSUITS

KISD #: 1603Y or 1604Y

Grades: 9-12 1 Credit

Prerequisite: None

The Lifetime Fitness and Wellness Pursuits course offers current approaches for the foundation of personal fitness, physical literacy, lifetime wellness, and healthy living. Students in Lifetime Fitness and Wellness Pursuits will apply the knowledge and skills to demonstrate mastery of the concepts needed to achieve lifetime wellness. Students will participate in a variety of physical activities for attaining personal fitness and lifetime wellness.

PE - SKILL-BASED LIFETIME ACTIVITIES

KISD #: 1608Y or 1610Y

Grades: 9-12 1 Credit

Prerequisite: None

The Skill-Based Lifetime Activities course offers students the opportunity to demonstrate mastery in basic sport skills, basic sport knowledge, and health and fitness principles. Students will experience opportunities that promote physical literacy and lifetime wellness. Students in Skill-Based Lifetime Activities will participate in a minimum of one lifelong activity from each of the following five categories during the course.

- (A) Target games are activities in which students send an object toward a target.
- (B) Striking and fielding games are activities in which students strike an object in order to score points within a game.
- (C) Fitness activities provide opportunities for students to apply fitness principles to accomplish an objective.
- (D) Rhythmic activities provide opportunities for students to demonstrate or create movement sequences with rhythm.
- (E) Innovative games and activities with international significance are those games and activities that use new or innovative equipment, have been created by students, or are played internationally.

ATHLETICS - BOYS AND GIRLS

KISD #: varies by sport

Grades: 9-12 Maximum of 4 Credits

Prerequisite: Coach Approval required

Each of the athletes will work out for their sport during their athletic period and after school. Students can double in two sports at the same time if it can be coordinated with the coaches. The student may earn no more than four units of credit in physical education toward state graduation requirements. There are several sports offered for the students in Klein ISD. Athletic Trainer, Baseball, Basketball, Cross Country, Football, Golf, Softball, Soccer, Swimming, Tennis, Track, Volleyball, and Wrestling. Students participating in Athletics will be scheduled into an athletic period. Tryouts and/or off-season programs may be a requirement for participation in some sports.

PE - LIFETIME RECREATION AND OUTDOOR PURSUITS

KISD #: 1602Y

Grades: 9-12 1 Credit

Prerequisite: None

The Lifetime Recreation and Outdoor Pursuits course provides opportunities to develop competency in five or more life-long recreational and outdoor pursuits for enjoyment and challenge. Students in Lifetime Recreation and Outdoor Pursuits will participate in activities that promote physical literacy, promote respect for and connection to nature and the environment, and promote opportunities for enjoyment for a lifetime. Students will experience opportunities that enhance self-worth and support community engagement.

ATHLETIC TRAINER 1

KISD #: 1659

Grades: 9-11 1 Credit

Prerequisite: Application and Athletic Trainer Approval

This course is a fundamental level class that provides students the opportunity to study the 6 domains of athletic training. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires an application to be approved by the campus athletic trainers.



Physical Education

ATHLETIC TRAINER 2

KISD #: 1660

Grades: 9-11

1 Credit

Prerequisite: **Application and Athletic Trainer Approval**

This course is a novice level class that requires a prerequisite of "Athletic Trainer 1". The class will continue to develop student's understanding of the 6 domains of athletic training with emphasis on practical applications. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires approval by the campus athletic trainers.

ATHLETIC TRAINER 3

KISD #: 1660

Grades: 9-11

1 Credit

Prerequisite: **Application and Athletic Trainer Approval**

This course is an intermediate level course that requires a prerequisite of "Athletic Trainer 2". Students will apply knowledge gained from previous athletic trainer courses to reinforce their development of practical skills. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires approval by the campus athletic trainers.

ATHLETIC TRAINER 4

KISD #: 1660

Grades: 9-11

1 Credit

Prerequisite: **Application and Athletic Trainer Approval**

This course is an advanced level course that requires a prerequisite of "Athletic Trainer 3". Students will practice and refine their hand-on skills under the guidance of the campus athletic trainer in real-life scenarios. Participation in the student athletic trainer program is mandatory, and will require afterschool and weekend commitments. Admission into this course requires approval by the campus athletic trainers.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Other Electives

STUDENT LEADERSHIP

Klein ISD# 9986

Grades: 9-12

1 Credit

Prerequisite:

Sponsor selection

Student Leadership is a course designed to provide an opportunity for students to study, practice, and develop group and individual leadership and organizational skills. This is the first-year course for students who want to be in the student council.

STUDENT LEADERSHIP

Klein ISD# 9987

Grades: 10-12

1 Credit

Prerequisite:

Sponsor selection

Student Leadership is a course designed to provide an opportunity for students to study, practice, and develop group and individual leadership and organizational skills. This course is a continuation of the state leadership course and it gives students the opportunity to be in the student council. This is a local credit course and does not count as a state graduation credit.

PATH COLLEGE CAREER 1

Klein ISD# 9917

Grades: 9-12

1 Credit

Prerequisite:

None

The Path College Career I course provides students with instructional support for advanced-level (honors) courses through the implementation of College and Career Readiness Standards and 21st Century skills (critical thinking, collaboration, communication, and creativity). As an introductory college and career readiness course, Path I College Career develops study skills, research skills, application of critical thinking skills, personal/interpersonal skills, confidence in personal growth through self-reflection, and the habits necessary for continued success in high school, college, and the workforce. In this course, students will be immersed in a college going/career-ready learning environment to ensure those who are enrolled are not just college eligible, but college ready.

Adv Grade Point: No

PATH COLLEGE CAREER 2

Klein ISD# 9925

Grades: 10-12

1 Credit

Prerequisite:

PATH COLLEGE CAREER 1

Path College Career II is the second course in a college and career readiness program of study that provides students with instructional support in all college preparatory (honors level), Advanced Placement, International Baccalaureate, and dual enrollment courses through in-class coaching. The course emphasizes the development of habits and skills essential for success in both college and the workforce. Students will explore college and career opportunities that align with their personal interests, engage in ethical decision-making related to real-world and workplace issues, and participate in group community service projects. Additionally, students will prepare for the PSAT, SAT, and ACT exams and scholarship opportunities. Through an immersive online learning environment, the Path elective ensures that students are not only college-eligible, but truly college ready.

Adv Grade Point: No

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PATH COLLEGE CAREER 3

Klein ISD# 9926

Grades: 10-12

1 Credit

Prerequisite:

PATH COLLEGE CAREER 2

Path College Career III is part of a college and career readiness system that offers students instructional support through in-class coaching. This course emphasizes the development of critical reading and writing skills necessary for success in both first-and second-year postsecondary education and the workforce. Students refine their critical reading, writing, and research abilities across various disciplines, preparing them for the analytical demands of college and professional environments. Students will explore the financial, societal, and cultural implications of their college and career choices, while participating in ethical decision-making through group community service. The course also incorporates traditional college and career planning activities, such as preparing for college entrance exams, financial aid and scholarship applications, and navigating the college admissions process.

Adv Grade Point: No

PATH COLLEGE CAREER 4

Klein ISD# 9927

Grades: 11-12

1 Credit

Prerequisite:

PATH COLLEGE CAREER 3

Path College Career IV is the final course in a college and career readiness system that offers students instructional support through in-class coaching. Students will explore the financial, societal, and cultural implications of their college and career choices, while participating in the development of a final research portfolio depicting the students' future academic and career plans. The portfolio will include interviews of college admissions experts, analysis of the students' top three selected post-secondary academic institutions, personal financial analysis and payment plan for enrollment in the institution. Additionally, for the students' selected career choice, the research portfolio will demonstrate personal and research-based analysis, as well as interviews with experts in the selected field. Students will give a formal presentation of their product to experts at the end of the year.

Adv Grade Point: No

AVID 1-4 (Advancement Via Individual Determination)

Klein ISD# 9901, 9902, 9903,9904

Grades: 9-12

1 Credit

Prerequisite:

District Selection Process

AVID is an elective course for students that are enrolled in a college preparatory sequence (KLEIN PREP/AP). In the class students receive the scholastic and motivational support needed to succeed in advanced academics. Students are supported by an AVID trained teacher in all subject areas, are coached by college tutors, and work in collaborative groups using a curriculum focused on writing and inquiry. In addition, days are devoted to reading, writing, and math preparation and study skills, and college entrance and placement exams.

CHEERLEADING 1-4

Grades: 9-12

1 Credit

Prerequisite:

Tryouts

This is a course offered in the fall for students elected to be cheerleaders. Emphasis is placed on physical conditioning, refinement of motor skills, practice of cheers, leadership development and citizenship through group endeavors. During athletic seasons, cheerleaders' practice after school and perform at varsity athletic games. Attendance at all rehearsals and performances is required. Cheerleading will substitute for P.E. only during fall semesters.

Note: *Cheerleading is an approved P.E. substitute during the fall semester. Students are reminded that a maximum of 1 unit for P.E., approved P.E. substitute, or P.E. waiver may count toward graduation. Once a student has earned these maximum P.E. units/ P.E. substitute units / P.E. waivers, the Cheer units will be granted local credit.*

COLORGUARD 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school color guard is an auxiliary unit of the marching band consisting of flags and rifles. Emphasis is placed on physical conditioning, equipment handling and care, musical choreography and dance, creative self-expression through movement, the refinement of motor skills, and citizenship through group endeavors. During football season the color guard rehearses daily after school with the marching band and performs at all varsity football games and selected marching contests. Attendance at all rehearsals and performances is required. Students must furnish their performance uniform (hat excluded) and footwear.

Note: *Color Guard is an approved P.E. substitute during the fall semester. Students are reminded that a maximum of 1 unit for P.E., approved P.E. substitute, or P.E. waiver may count toward graduation. Once a student has earned these maximum P.E. units/ P.E. substitute units / P.E. waivers, the Color Guard units will be granted local credit.*



Other Electives

ARTS AND ENTERTAINMENT TECHNOLOGIES-ONRAMPS

Klein ISD# 9900OR

Grade: 10-12 1 Credit

Prerequisite: None

Students will experience how the design sector works through team-oriented collaboration and creative, immersive projects. Students will explore topics like graphic design, video game, and sound design; mobile media app creation; and podcasting by creating products using industry-standard tools and software. As students develop college-level skills in time management, collaboration, leadership, and self-motivation, they will earn transferable college credit and build skills for success in college and a career. ***Upon successful completion of the course, students can earn 3 hours of UT Austin college credit.***

Dual Credit Correlation: AET 304

Adv Grade Point: Yes

COLLEGE READINESS AND STUDY SKILLS-DUAL CREDIT

Klein ISD# 9927DC

Grades: 10-12 0.5 Credit

Prerequisite: None

Students in the college success course will be able to identify, describe, and utilize campus support services, systems, and student life opportunities. Students will be able to create a personal money management plan for college success through the use of financial literacy knowledge and skills. The course will assess students' strengths, preferences, college and career success attributes, educational goals, and potential college performance. Students will create an academic plan for success with advisement from college level advisors. **Students enrolled in this course are expected to purchase the required textbook.**

Dual Credit Correlation: EDUC 1300

Advanced Grade Points: Yes

OFFICE AIDE (LOCAL ELECTIVE)

Klein ISD#9989

Grade: 12 1 or 2 Semesters .5 or 1 Credit

Prerequisite: Counselor Approval (some campuses may require an application or contract)

These students work in the attendance office, the counselors' office, the library, the clinic, or other offices in need of assistance. They perform sorting, filing, and other office tasks, organize materials, operate the copying machine and other audio-visual equipment, and assist other students in a variety of ways. A student must exhibit satisfactory conduct, grades and behavior and have good attendance to be an office aide. A completed application may be required (see your counselor to learn the campus expectation). This local elective is calculated in the GPA but does not count as an elective for graduation.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



STEM Endorsement

(Science, Technology, Engineering & Math)

<u>Advanced Computer Science & Algorithms Program</u>	<u>60</u>
<u>Computer Science & Algorithms Program</u>	<u>63</u>
<u>Cybersecurity Program</u>	<u>65</u>
<u>Engineering Design Program</u>	<u>67</u>
<u>Electrical Engineering Program</u>	<u>69</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

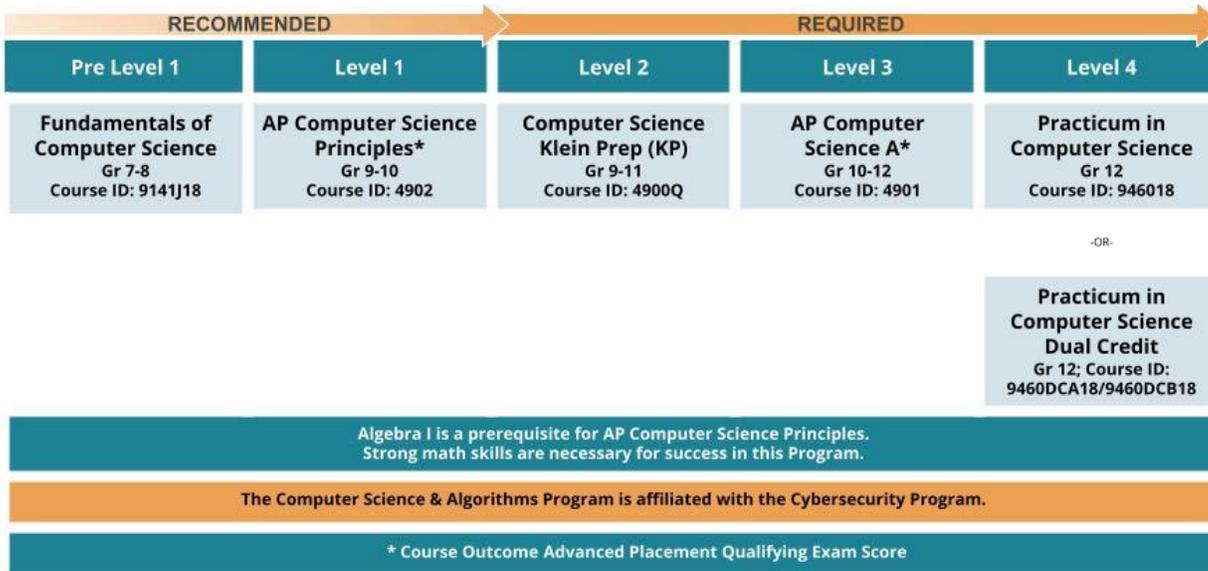
Advanced Academics

College programs

Course Fees

Index





FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18
Grade: 7 - 8 **1 credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No
Industry Certification: None

ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES

KISD Code: 4902
Grade: 9 thru 10
Grade Points: 6.0 **1 credit**
Prerequisite: Algebra 1
PEIMS: A3580300

AP® Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. **Students must take the AP® exam and submit portfolio tasks to attain college credit.**

Required Fee/Materials: \$10
Industry Certification: None

COMPUTER SCIENCE KLEIN PREP (KP)

KISD Code: 4900Q
Grade: 9 - 11 **1.0 Credit**
Grade Points: 6.0
Prerequisite: Algebra 1
PEIMS: 3580200

Students in Klein ISD advanced Klein Prep (KP) Courses are expected to research, analyze, and propose solutions to real-world problems based on the practice of interdisciplinary study, literary analysis, problem-based learning, communication, collaboration, goal setting, and self-reflection. To demonstrate mastery of academic content and attainment of postsecondary readiness skills, students will create advanced/sophisticated products and presentations. Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. Learn what variables, objects, and arrays are in the context of object-oriented programming. You will do hands-on work to develop algorithms, write code, test and correct errors in computer programs that solve problems or accomplish tasks to a given scenario.

Required Fee/Materials: No
Industry Certification: None



ADVANCED PLACEMENT® COMPUTER SCIENCE A

KISD Code: 4901; 4901L (LOTE)

Grade: 10 - 12 2 Credit

Grade Points: 6.0

Prerequisite: Algebra I and Computer Science Klein Prep (KP)

PEIMS: A3580110 (MATH) A3580120(LOTE)

AP® Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. Important: students must understand that any significant computer science course builds upon a foundation of mathematical reasoning that should be acquired before attempting such a course. The course emphasizes object-oriented programming and design using the Java programming language. AP® Computer Science A is equivalent to a first-semester, college level course in computer science. **Students must take the AP®**

Exam to attain college credit.

Required Fee/Materials: \$10

Industry Certification: None

Note: Completion of AP® Computer Science Higher Level satisfies one advanced mathematics requirement and one LOTE requirement for graduation.

PRACTICUM IN COMPUTER SCIENCE

KISD Code: 946018

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: AP Computer Science A

PEIMS: 13037400

This course is a project-based course for students to research and develop high-level programming language concepts. Students will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN COMPUTER SCIENCE DUAL CREDIT

KISD Code: 9460DC18

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: AP Computer Science A

PEIMS: 13037400

This course gives the opportunity for students to take two dual credit courses online through Lone Star - University Park. Students will take COSC 1436 (Programming Fundamentals I) in the Fall semester and COSC 1437 (Programming Fundamentals II) in the Spring semester. These two courses introduce the concepts of structured programming. Topics include software development methodology, data types, control structures, functions, arrays, mechanics of running, testing, and debugging, definition and use of classes and fundamentals of object-oriented design. The course also includes basic analysis of algorithms, searching and sorting. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: YES

Industry Certification: None

INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE Standard Level (Klein Oak HS Only)

KISD Code: 3426 (accelerated course) or 3426SL1 and 3426SL2

Grade: 11 -12 1 Credit per year of study

Grade Points: 6.0

Prerequisite: One credit of computer science

PEIMS: I3580200

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). IB Computer Science explores how computer science interacts with and influences cultures, society, and how individuals/societies behave, and the ethical issues involved. Students will be able to trace algorithms, utilize software designs, understand arrays, computer systems/networks/algorithms, and design, prototype, and test proposed solutions to unanswered questions. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science SL exam in May; exam fees apply.

Required Fee/Materials: No

Industry Certification: None

Note: Completion of IB Computer Science SL will satisfy one LOTE requirement for graduation.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE Higher Level (Klein Oak HS Only)**KISD Code: 3428HLM****Grade: 12 1 Credit****Grade Points: 6.0****Prerequisite: Successful completion of IB Computer Science SL1****PEIMS: I3580310(MATH) I3580320(LOTE)**

Students may choose to enhance the breadth/depth of study in Computer Science by enrolling in IB Computer Science HL following year 1 of IB Computer Science SL. IB Computer Science explores the logic, and technology related issues. Students are expected to write programs using an object-oriented approach, analyze and formulate success criteria, solution specifications, and appropriate techniques with a specified solution.. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science HL exam in May; exam fees apply.

Required Fee/Materials: No**Industry Certification: None**

Note: Completion of IB Computer Science Higher Level will satisfy one advanced mathematics requirement and one LOTE requirement for graduation. This course is only offered at Klein Oak as part of the IB Program.

INDEPENDENT STUDY IN COMPUTER SCIENCE I**KISD Code: 4907****Grade: 11 - 12 1 Credit****Grade Points: 5.5****Prerequisite: Computer Science AP® or Computer Science 3****PEIMS: 3580900**

Independent Study in Computer Science is a project-based course for students to research and develop high-level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

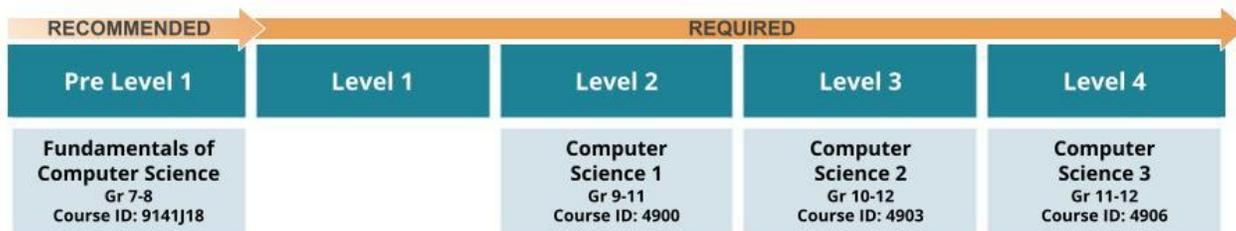
Required Fee/Materials: No**Industry Certification: None****INDEPENDENT STUDY IN COMPUTER SCIENCE II****KISD Code: 4908****Grade: 12 1 Credit****Grade Points: 5.5****Prerequisite: Independent Study in Computer****PEIMS: 3581000**

Independent Study in Computer Science II is continuation of the project-based course for students to research and develop high level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No**Industry Certification: None**

Computer Science & Algorithms Program

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



Algebra I is required prior to taking Level 2 Computer Science courses.
Strong math skills are necessary for success in this Program.

The Computer Science & Algorithms Program is affiliated with the Cybersecurity Program.

FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18
Grade: 7 - 8 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No
Industry Certification: None

COMPUTER SCIENCE 1

KISD Code: 4900
Grade: 9 - 11 1 Credit
Grade Points: 5.5
Prerequisite: Algebra 1
PEIMS: 3580200

Get familiar with the concepts and tools of computer science as you learn a subset of the Java programming language. Learn what variables, objects, and arrays are in the context of object-oriented programming. You will do hands-on work to develop algorithms, write code, test and correct errors in computer programs that solve problems or accomplish tasks to a given scenario.

Required Fee/Materials: \$10
Industry Certification: None

COMPUTER SCIENCE 2

KISD Code: 4903
Grade: 10 thru 12 1 Credit
Grade Points: 5.5
Prerequisite: Computer Science 1 or KP Computer Science 1
PEIMS: 3580300

Students will work with more complex concepts and tools of the Java programming language. You will do hands-on work to develop algorithms, write code, test and correct errors in computer programs that solve problems or accomplish tasks to a given scenario.

Required Fee/Materials: No
Industry Certification: None

COMPUTER SCIENCE 3

KISD Code: 4906
Grade: 11 - 12 1 Credit
Grade Points: 5.5
Prerequisite: Computer Science II or AP® Computer Science A
PEIMS: 3580350

Students will work with more complex concepts and tools of the Java programming language. You will develop fundamental programming skills using a language that supports an object-oriented approach, incorporating security awareness, human-computer interactions and social responsibility.

Required Fee/Materials: No
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INDEPENDENT STUDY IN COMPUTER SCIENCE I

KISD Code: 4907

Grade: 11 -12 1 Credit

Grade Points: 5.5

Prerequisite: Computer Science AP or Computer Science 3

PEIMS: 3580900

Independent Study in Computer Science is a project-based course for students to research and develop high-level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products. .

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY IN COMPUTER SCIENCE II

KISD Code: 4908

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: Independent Study in Computer

PEIMS: 3581000

Independent Study in Computer Science II is a continuation of the project-based course for students to research and develop high level programming language concepts. You will build portfolios, solve problems, and create products for school and community. Design principles and software skill sets should be interwoven into real products.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Cybersecurity Program

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Fundamentals of Computer Science Gr 7-8 Course ID: 9141J18	Foundations of Cybersecurity Gr 9-10 Course ID: 946218	AP Computer Science Principles Gr 9-10 Course ID: 4902	Digital Forensics Gr 11-12* Course ID: 946118	Cybersecurity Capstone (Gr 12) Course ID: 946318

*AP Computer Science A may serve as a prerequisite for Digital Forensics

Algebra I is required prior to taking Level 2 Computer Science courses. Strong math skills are necessary for success in this Program.

The Cybersecurity Program is affiliated with the Computer Science & Algorithms Programs

FUNDAMENTALS OF COMPUTER SCIENCE

KISD Code: 9141J18
Grade: 7 - 8 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 3580140

This year-long course is intended as a first course for those who are just beginning their study of computer science. You will learn about the computing tools that are used every day, while developing their ability to creatively solve real-world problems. This course introduces the basics of programming, the foundations of designing a web page with HTML/CSS, and how information is represented digitally and sent over the internet.

Required Fee/Materials: No
Industry Certification: None

FOUNDATIONS OF CYBERSECURITY

KISD Code: 946218
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 3580850

You will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. As computing has become more sophisticated, so too have the abilities of malicious agents looking to penetrate networks and seize private information. By evaluating prior incidents, cybersecurity professionals have the ability to craft appropriate responses to minimize disruptions to corporations, governments, and individuals. You will examine trends and operations of cyberattacks, threats, and vulnerabilities. You will review and explore security policies designed to mitigate risks.

Required Fee/Materials: No
Industry Certification: None

ADVANCED PLACEMENT® COMPUTER SCIENCE PRINCIPLES

KISD Code: 4902
Grade: 9 - 10 **1 Credit**
Grade Points: 6
Prerequisite: Algebra 1
PEIMS: A3580300

AP® Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

It is important to note that the AP Computer Science Principles course does not have a designated programming language. Teachers have the flexibility to choose a programming language(s) that is most appropriate for their students to use in the classroom. **Students must take the AP® exam and submit portfolio tasks to attain college credit.**

Required Fee/Materials: \$10
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



DIGITAL FORENSICS

KISD Code: 946118

Grade:11-12 1 Credit

Grade Points: 5.5

Prerequisite: AP Computer Science Principles or AP Computer Science A

PEIMS:

Digital Forensics will foster students' creativity and innovation by presenting opportunities to investigate simulations and case studies of crimes, reconstructing computer security incidents, troubleshooting operational problems, and recovering from accidental system damage. Students will collaborate to develop forensic techniques to assist with computer security incident response. Students will learn methods to identify, collect, examine, and analyze data while preserving the integrity of the information and maintaining a strict chain of custody for data. Students will solve problems as they study the application of science to the law. Students will learn digital citizenship by researching current laws and regulations and by practicing integrity and respect. Students will gain an understanding of computing and networking systems that transmit or store electronic data.

Required Fee/Materials: No

Industry Certification: None

Note: None

CYBERSECURITY CAPSTONE

KISD Code: 946318

Grade: 12 1 Credit

Grade Points: 6.0

Prerequisite: AP Computer Science A

PEIMS: 3580855

The Cybersecurity Capstone course will give you the opportunity to explore and examine trends and operations of cyberattacks, threats, and vulnerabilities. You will develop security policies to mitigate risks. The skills obtained in this course will prepare you for additional study toward industry certification. Cybersecurity Capstone may serve as a culminating course in this field of study.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Engineering Design Program

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018

Grade: 7 - 10 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

PEIMS: 13036200

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

ENGINEERING DESIGN & PRESENTATION I

KISD Code: 947418

Grade: 9 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Applied Engineering

PEIMS: 13036500

You will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. You will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User -AutoCAD/Inventor

ENGINEERING DESIGN & PRESENTATION II

KISD Code: 936818

Grade: 10 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Engineering Design and Presentation I

PEIMS: 13036600

You will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to prototypes. You will use a variety of computer hardware, such as laser engravers and CNC machines, and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: Certified Solidworks Associate



ENGINEER YOUR WORLD

KISD Code: 949018

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Engineering Design and Presentation I

PEIMS: 13037300

Developed by a team of University of Texas faculty and NASA engineers, Engineer Your World engages you in authentic engineering practices in a project-based environment. You will complete a series of socially relevant design challenges to develop engineering design skills and habits of mind. This course covers the breadth of engineering fields and professions so that you can make informed decisions about pursuing engineering. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

PRACTICUM IN ENGINEERING DESIGN

KISD Code: 936918

Grade: 11-12 2 Credit

Grade Points: 6.0

Prerequisite: Engineering Design and Presentation II or Engineer Your World

PEIMS: 13037400

Students in this course will design complex and detailed products and prototypes related to various categories of engineering. Auxiliary views, descriptive geometry, patterns and developments and dimensioning and notation are emphasized. This course will be conducted in a classroom/laboratory setting. You will also have the opportunity to complete training for additional industry certifications. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: SolidWorks Associate (CSWA-EDU) or Autodesk Certified User Fusion 360

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Electrical Engineering Program

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



REQUIRED			
Level 1	Level 2	Level 3	Level 4
<p>Principles of Applied Engineering (Gr 7-10) Course ID: 947018</p>	<p>AC/DC Electronics (Gr 9-11) *Autodesk Certified User - AutoCAD Course ID: 963818</p>	<p>Solid State Electronics (Gr 10-12) Course ID: 963918</p>	<p>Electrical Engineering Capstone (Gr 11-12) Course ID: 945918</p>

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018

Grade: 7 -10 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

PEIMS: 13036200

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

AC/DC ELECTRONICS

KISD Code: 963818

Grades: 9-11 1 Credit

Grade Points: 5.5

PEIMS: 13036800

Prerequisite: Principles of Applied Engineering

AC/DC Electronics focuses on the basic electricity principles of alternating current/direct current (AC/DC) circuits. Students will demonstrate knowledge and applications of circuits, electronic measurement, and electronic implementation. Students will use a variety of computer hardware and software applications to complete assignments and projects.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User in AutoCAD

SOLID STATE ELECTRONICS

KISD Code: 963918

Grades: 10-12 1 Credit

Grade Points: 5.5

PEIMS: 13036900

Prerequisite: AC/DC Electronics

In Solid State Electronics, students will demonstrate knowledge and applications of advanced circuits, electrical measurement, and electrical implementation used in the electronics and computer industries. Students will transfer advanced academic skills to apply engineering principles and technical skills to troubleshoot, repair, and modify electronic components, equipment, and power electronic systems in a project-based environment. Additionally, students will explore career opportunities, employer expectations, and educational needs in the electronics industry.

Required Fee/Materials: \$15

ELECTRICAL ENGINEERING CAPSTONE

KISD Code: 945918

Grades: 11-12 1 Credit

Grade Points: 6.0

PEIMS: 13037600

Prerequisite: Solid State Electronics

In the Electrical Engineering Capstone course, students will use their knowledge in advanced circuits, modifications of electronic components, equipment, and electronic systems to develop multiple projects that students will select, design, implement, troubleshoot, finalize, and present. This course leverages project-based learning with instructor guidance for students do design their own capstone projects.

Required Fee/Materials: \$25

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Business & Industry Endorsement

AGRICULTURE, FOOD & NATURAL RESOURCES

<u>Agricultural Technology and Mechanical Systems Program</u>	<u>71</u>
<u>Animal Science/Veterinary Medical Assistant Program</u>	<u>72</u>
<u>Environmental & Natural Resources Program</u>	<u>74</u>
<u>Plant & Floral Science Program</u>	<u>75</u>

ARCHITECTURE & CONSTRUCTION

<u>Architectural Design Program</u>	<u>77</u>
<u>Construction Technology Program</u>	<u>79</u>
<u>HVAC & Refrigeration Technology Program</u>	<u>80</u>
<u>Interior Design Program</u>	<u>81</u>

ARTS, A/V TECHNOLOGY & COMMUNICATIONS

<u>Animation Program</u>	<u>82</u>
<u>Audio/Video Production Program</u>	<u>84</u>
<u>Fashion Design Program</u>	<u>86</u>
<u>Video Game Programming & Design Program</u>	<u>88</u>
<u>Broadcast Production Program</u>	<u>90</u>
<u>Newspaper Production Program</u>	<u>92</u>
<u>Yearbook Production Program</u>	<u>94</u>

BUSINESS, MARKETING & FINANCE

<u>Accounting & Financial Services Program</u>	<u>96</u>
<u>Business Management</u>	<u>98</u>
<u>Entrepreneurship Program</u>	<u>100</u>
<u>Marketing & Sales Program</u>	<u>102</u>

HOSPITALITY & TOURISM

<u>Culinary Arts Program</u>	<u>104</u>
------------------------------	------------

MANUFACTURING

<u>Robotics Program</u>	<u>106</u>
<u>Welding Program</u>	<u>108</u>

TRANSPORTATION, DISTRIBUTION & LOGISTICS

<u>Automotive Technology Program</u>	<u>110</u>
<u>Outdoor Power Equipment & Small Engine Technology Program</u>	<u>112</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Agriculture, Food & Natural Resources Gr 9-10 Course ID: 904018	Agricultural Mechanics & Metal Technologies Gr 10-11 Course ID: 906118	Agricultural Structures Design & Fabrication/Lab Gr 11-12 Course ID: 907918 *American Welding Society D1.1 & D9.1	Practicum in Agricultural Technology and Mechanical Systems Gr 12 Course ID: 908618 *American Welding Society D1.1 & D9.1
*Industry-Based Certification Course Outcome			

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

AGRICULTURAL MECHANICS & METAL TECHNOLOGIES

KISD Code: 906118

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13002200

Students will be introduced to basic theory and gain specialized skills in agricultural mechanics. Skills to be developed include identification and safe use of tools, carpentry, electricity, plumbing, masonry, fencing, painting, hot and cold metalworking, and welding processes. Construction of projects will be included in this course. Students will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40 (Optional \$275 Safety & PPE)

Industry Certification: None

AGRICULTURAL STRUCTURES DESIGN & FABRICATIONS/LAB

KISD Code: 907918

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: Agriculture Mechanics and Metal Technologies

PEIMS: 13002310

Students will learn the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. Students will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50 (Optional \$275 Safety & PPE)

Industry Certification: American Welding Society D1.1 & D9.1

PRACTICUM IN APPLIED AGRICULTURE ENGINEERING

KISD Code: 908618

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Ag Structures Design and Fabrication

PEIMS: 13002500

In this course you will participate in a laboratory-oriented course designed to teach the basic principles of agricultural mechanics, including: blueprint reading and implementation, building site location, CNC drafting and application, carpentry and construction, electrical and plumbing systems, concrete and masonry construction, metal construction and large project building. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65 (Optional \$275 Safety & PPE)

Industry Certification: American Welding Society D1.1 & D9.1



Animal Science/Veterinary Medical Assistant Program

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT

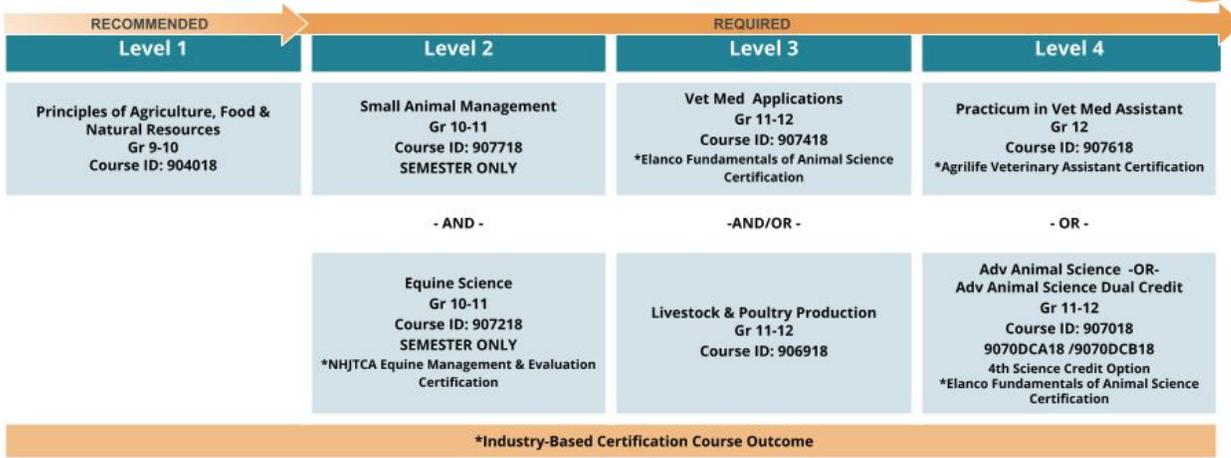


Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

SMALL ANIMAL MANAGEMENT

KISD Code: 907718
Grade: 10 - 11 **0.5 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000400

In this course you will be given the opportunity to learn, reinforce, and apply information in a variety of settings in the areas of small animal, systems/business and associations. Subject areas in this course to be covered are, but not limited to, small mammals, amphibians, reptiles, birds, dogs, cats and species-specific information. Study will also highlight ownership, hazards, and welfare of small animals. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

EQUINE SCIENCE

KISD Code: 907218
Grade: 10 - 11 **0.5 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000500

This course is an overview of equine science, including equine evolution, breeds and breeding, selection and confirmation, nutrition and feeding, facilities, handling, and health management. You will have the opportunity to explore careers in the equine industry. This course is designed for students exploring the equine industry as a career or in just having a horse as a hobby. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: NHJTCA Equine Management & Evaluation Certification



LIVESTOCK & POULTRY PRODUCTION

KISD Code: 906918

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Agriculture, Food & Natural Resources, Small Animal Management, and Equine Science

PEIMS: 13000300

You will develop knowledge and skills pertaining to the nutrition, reproduction, health and management of domestic livestock. Livestock & Poultry Production will address topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. You have the opportunity to study animal systems, animal restraint, business management, and explore career opportunities through this project based course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

VETERINARY MEDICAL APPLICATIONS

KISD Code: 907418

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Small Animal and Equine Science

PEIMS: 13000600

Students will be provided opportunities to demonstrate proper knowledge and skills in the veterinary medicine industry. Topics to be covered in this course are, but not limited to, veterinary practices and knowledge as they relate to both large and small animal species. Subject areas include animal behavior, communication, species/breed information, diseases/disorders, parasites, clinical examinations, imaging equipment, hematology, hospital procedures, and surgical assisting procedures. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: Elanco Veterinary Medical Applications Certification

PRACTICUM VETERINARY MEDICAL ASSISTING

KISD Code: 907618

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Veterinary Medical Applications and/or Livestock & Poultry Production and Approval Process

PEIMS: 13002500

Students will participate in a continuation of the Veterinary Medical Applications course gaining more in-depth knowledge in animal anatomy, animal disease, treatment techniques, lab procedures, emergency procedures, and clinical operations. Students will be required to participate in clinical rotations, gaining hands-on experiences working in various veterinary assistant positions. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$17 Malpractice Insurance

Industry Certification: Agrilife Veterinary Assistant Certification

ADVANCED ANIMAL SCIENCE

KISD Code: 907018

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

PEIMS: 13000700

Are you preparing for a career in the animal science industry? Students who take this course will gain the opportunity to participate in experiments, laboratory explorations, and the study of animal science topics such as reproduction, breeding, genetics, anatomy, physiology, nutrition, health, and the marketing and harvesting of domestic livestock. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: No

Industry Certification: Elanco Fundamentals of Animal Science Certification

Note: 4th Science Credit Option

ADVANCED ANIMAL SCIENCE DUAL CREDIT

KISD Code: 9070DC18

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications

PEIMS: 13000700

The scientific study of animal agriculture involving beef cattle, dairy cattle, swine, sheep, goats, and horses. Topics covered will include general management practices, reproduction, nutrition, health, handling, genetic selection, shelter/housing and marketing strategies and procedures. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: YES

Industry Certification: Elanco Fundamentals of Animal Science Certification

Note: 4th Science Credit Option

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Agriculture, Food & Natural Resources Gr 9-10 Course ID: 904018	Wildlife, Fisheries & Ecology Management Gr 10-11 Course ID: 904618 *Hunter Safety and/or Boater Education	Energy & Natural Resources Gr 11-12 Course ID: 904818 *Ducks Unlimited Ecology Conservation & Management Certification	Scientific Research & Design in Natural Resources Gr 12 Course ID: 946918
*Industry-Based Certification Course Outcome			

PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

WILDLIFE, FISHERIES & ECOLOGY MANAGEMENT

KISD Code: 904618
Grade: 10 - 11 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13001500

Interested in the outdoors? In this course you will examine the importance of wildlife and outdoor recreation with emphasis on utilizing wildlife, fish and natural resources and their management practices. Hunter, boater, and angler safety instruction are components of this class. Research into occupational opportunities, identification, and laws associated with game, non-game, fur-bearing and fish species are included. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization.

Required Fee/Materials: No
Industry Certification: Hunter's Safety Certification Exam & Boater Education Certification Exam (Not CCMR Eligible)

ENERGY AND NATURAL RESOURCES

KISD Code: 904818
Grade: 11 - 12 **1 Credit**
Grade Points: 5.0
Prerequisite: Wildlife, Fisheries & Ecology Management
PEIMS: 13001100

You will evaluate the environmental benefits provided by sustainable resources and green technologies. Instruction is designed to allow for the application of science and technology to measure environmental impacts resulting from production agriculture. To prepare for careers in environmental service systems, you must attain academic skills and knowledge, acquire advanced technical knowledge and skills related to environmental service systems and the workplace, and develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: Ducks Unlimited Ecology Conservation & Management Certification

SCIENTIFIC RESEARCH AND DESIGN IN NATURAL RESOURCES

KISD Code: 946918
Grade: 12 **1 Credit**
Grade Points: 6.0
Prerequisite: Energy & Natural Resources
PEIMS: 13037200

Students will explore the components of any rigorous scientific or engineering program of study from the problem identification, investigation design, data collection, data analysis, formulation, and presentation of the conclusions in relation to natural resources. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None





PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES

KISD Code: 904018
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13000200

Through this course, you will learn about the diverse and exciting world of agriscience and careers within the agricultural science industry, as well as prepare for more advanced courses. You will be covering key concepts, including food products and processing systems, animal systems, environmental service systems, plant science systems and more. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None

FLORAL DESIGN

KISD Code: 905318
Grade: 10 - 12 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13001800

You will develop and examine floral design in relation to arrangement of flowers, foliage, and related plant materials for interior locations. This course incorporates business practices and careers in the floral industry. You will be responsible for purchasing materials or assessed a fee associated with this course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$115

Industry Certification: Benz School of Floral Design Principles of Floral Design Certification

Note: (Optional) Texas State Floral Association Floral Skills Knowledge Content/Level I, this course also counts as a Fine Art credit.

HORTICULTURE SCIENCE

KISD Code: 905018
Grade: 10 - 11 **1 Credit**
Grade Points: 5.0
Prerequisite: Principles of Agriculture, Food, & Natural Resources or Floral Design
PEIMS: 13002000

Horticulture Science is designed to develop an understanding of common plant management practices as they relate to food and ornamental plant production. You will participate in a laboratory-oriented course, that includes project based experiences in the greenhouse, designed to develop skills in the production of greenhouse/nursery plants and the maintenance of plant growth and propagation structures. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None



HORTICULTURE SCIENCE DUAL CREDIT

KISD Code:9050DC18

Grade: 10 - 11 1 Credit

Grade Points: 6.0

Prerequisite: Principles of Agriculture, Food, & Natural Resources or Floral Design

PEIMS: 13002000

Introduction to the horticulture industry and the career opportunities that are available. The course includes an introduction to plant classification and structure, greenhouse construction and management, orchard and vegetable crops, and plant propagation.

Required Fee/Materials: YES

Industry Certification: None

ADVANCED FLORAL DESIGN

KISD Code: 905718

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Floral Design

PEIMS: N1300270

Are you creative and interested in event planning? In this course, students build on the knowledge from the Floral Design course and are introduced to more advanced design concepts, with an emphasis on specialty designs and specific occasion planning. This course focuses on providing students with a thorough understanding of the design elements and planning techniques used to produce unique specialty floral designs that support the goals and objectives of a specific occasion or event. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$115

Industry Certification: (Optional) Texas State Floral Association Level 1 or 2

ADVANCED PLANT & SOIL SCIENCE

KISD Code: 907118

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Floral Design or Horticulture Science/Horticulture Science DC and Biology, Integrated Physics and Chemistry, Chemistry, or Physics, Algebra 1 and Geometry

PEIMS: 13002100

This course provides a way of learning about the natural world. Students should know how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science. A majority of this class is based on hands-on, lab and project based learning experiences. Students will also have the opportunity to participate in extended learning experiences, such as the Ag Science Fair, by joining the National FFA Organization. This is a 4th credit option. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: No

Industry Certification: BASF Plant Science Certification

PRACTICUM IN HORTICULTURE & FLORAL DESIGN

KISD Code: 905218

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Advanced Floral Design

PEIMS: 13002500

You will participate in a laboratory-oriented course designed to develop the skills used in various aspects of the Floral Design and Horticulture industries. The major focus is preparing individuals to perform common floral design skills and increasing knowledge of horticulture science. The course emphasizes on running and operating a floral design business, the TSFA (Texas State Floral Association) Level 2 Certification, and horticultural management practices as they relate to ornamental plant production. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$165

Industry Certification: (Optional) Texas State Floral Association Level 2

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Architectural Design Program

STEM AND/OR BUSINESS & INDUSTRY ENDORSEMENT



REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Architecture Gr 9-10 Course ID: 948118	Architectural Design I Gr 10-11 Course ID: 947218 *Autodesk AutoCAD	Architectural Design II Gr 11-12 Course ID: 947318 *Autodesk Revit	Practicum in Architectural Design Gr 12 Course ID: 947518
*Industry-Based Certification Course Outcome			

PRINCIPLES OF ARCHITECTURE

KISD Code: 948118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13004210

You will gain knowledge of the various fields of architecture, interior design, and construction management. This course includes communication of architecture related assignments through computer graphics, modeling, and presentations. Students will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

ARCHITECTURAL DESIGN I

KISD Code: 947218

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Architecture

PEIMS: 13004600

You will gain knowledge and skills needed to enter a career in architecture or construction or prepare a foundation toward a postsecondary degree in architecture, construction science, drafting, interior design, or landscape architecture. This course includes the knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scale models for commercial or residential architectural purposes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk AutoCAD

ARCHITECTURAL DESIGN II

KISD Code: 947318

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Architectural Design I

PEIMS: 13004700

This course includes the advanced knowledge of the design, design history, techniques, and tools related to the production of drawings, renderings, and scale models for commercial or residential architectural purposes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Revit

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PRACTICUM IN ARCHITECTURAL DESIGN

KISD Code: 947518

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Architectural Design II

PEIMS: 13004800

You will participate in a course that promotes independent study which may include internships and professional mentorships. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User Revit for Electrical Design and Autodesk Certified User Revit for Structural Design

CAREER PREPARATION I PROGRAM(Architecture Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school, have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Construction Technology Program



BUSINESS & INDUSTRY ENDORSEMENT



PRINCIPLES OF CONSTRUCTION

KISD Code: 961618

Grade: 9 - 10 **1 Credit**

Grade Points: 5.0

Prerequisite: None

PEIMS: 13004220

You will develop a solid foundation for entering the construction or craft skilled areas. The course provides a strong knowledge of construction safety, construction mathematics, and common hand and power tools. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Offered at Klein Forest High School

CONSTRUCTION TECHNOLOGY I

KISD Code: 961818

Grade: 10 - 11 **2 Credit**

Grade Points: 5.0

Prerequisite: None

PEIMS: 13005100

You will gain knowledge and skills needed to enter the workforce as carpenters or building maintenance supervisors. You will acquire knowledge and skills in safety, tool usage, building materials, codes, and framing. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

Note: Offered at Klein Forest High School

CONSTRUCTION TECHNOLOGY II

KISD Code: 962018

Grade: 11 - 12 **2 Credit**

Grade Points: 5.5

Prerequisite: Construction Technology I

PEIMS: 13005200

You will gain advanced knowledge and skills needed to enter the workforce as carpenters, building maintenance technicians, or supervisors. You will build on the knowledge base from Construction Technology I and are introduced to exterior and interior finish out skills. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: OSHA 30 Construction

Note: Offered at Klein Forest High School

PRACTICUM IN CONSTRUCTION TECHNOLOGY

KISD Code: 961718

Grade: 12 **2 Credit**

Grade Points: 5.5

Prerequisite: Construction Technology II

PEIMS: 13005250

Students will continue to build skills needed to enter the workforce in a construction related field. This course is classroom/laboratory based. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: None

Note: Offered at Klein Forest High School

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



HVAC & Refrigeration Technology Program



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of HVAC Gr 9-10 Course ID: 964518	HVAC Technology I Gr 10-11 Course ID: 962118	HVAC Technology II Gr 11-12 Course ID: 962318 *Refrigerant Handling (EPA 608)	Practicum in HVAC Gr 12 Course ID: 962518
*Industry-Based Certification Course Outcome			
This Program is exclusively offered at Klein Cain High School.			

PRINCIPLES OF HVAC

KISD Code: 964518
Grade: 9 - 10 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13004220

You will develop a solid foundation for entering the HVAC area. The course provides a strong knowledge of HVAC safety, HVAC mathematics, and common hand and power tools. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None
Note: Offered at Klein Cain High School

HVAC & REFRIGERATION TECHNOLOGY I

KISD Code: 962118
Grade: 10 - 11 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13005800

Students will gain knowledge and skills needed to enter the workforce as technicians in the HVAC and refrigeration industry or building maintenance industry. Students will acquire knowledge and skills in safety, principles of HVAC theory, use of tools, codes, and installation of HVAC and refrigeration equipment. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: None
Note: Offered at Klein Cain High School

HVAC & REFRIGERATION TECHNOLOGY II

KISD Code: 962318
Grade: 11 - 12 2 Credit
Grade Points: 5.5
Prerequisite: HVAC & Refrigeration Technology I
PEIMS: 13005900

Students will gain advanced knowledge and skills needed to enter the workforce as technicians in the HVAC and refrigeration industry or building maintenance industry. Students will acquire knowledge and skills in safety, electrical theory, use of tools, codes, installation and troubleshooting of commercial equipment, duct systems and maintenance practices. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: Refrigerant Handling (EPA 608)
Note: Offered at Klein Cain High School

PRACTICUM IN HVAC & REFRIGERATION

KISD Code: 962518
Grade: 12 2 Credit
Grade Points: 5.5
Prerequisite: HVAC & Refrigeration Technology II
PEIMS: 13005250

Students will participate in a course designed to provide job specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in HVAC & Refrigeration Technology. Students will be challenged with the application of gained knowledge and skills from HVAC & Refrigeration Technology I and II. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No
Industry Certification: None
Note: Offered at Klein Cain High School

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Interior Design Program

BUSINESS & INDUSTRY ENDORSEMENT



PRINCIPLES OF ARCHITECTURE

KISD Code: 948118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13004210

You will gain knowledge of the various fields of architecture, interior design, and construction management. This course includes communication of architecture related assignments through computer graphics, modeling, and presentations. Students will use a variety of computer hardware and software applications to complete assignments and projects. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

INTERIOR DESIGN I

KISD Code: 936018

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Architecture (Recommended)

PEIMS: 13004300

You will gain knowledge of psychological, physiological, and sociological needs of individuals by enhancing the environments in which they live and work. You will use knowledge and skills related to interior and exterior environments, construction, and furnishings to make wise consumer decisions, increase productivity, promote sustainability, and compete in industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$30

Industry Certification: None

INTERIOR DESIGN II

KISD Code: 936118

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Interior Design I

PEIMS: 13004400

You will participate in a technical laboratory course that includes the application of the employability characteristics, principles, processes, technologies, communication, tools, equipment, and materials related to interior design to meet industry standards. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: Autodesk Certified User in Revit Architecture

PRACTICUM IN INTERIOR DESIGN

KISD Code: 936218

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Interior Design II

PEIMS: 13004800

You will participate in a course designed to provide job specific skills through laboratory training, job shadowing, or work situations in areas compatible with identified career goals in interior design. In addition, students will be expected to develop knowledge and skills related to housing, furnishings, and equipment construction or equipment management and services. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Digital Design Media Production Gr 7-8 Course ID: 4922J	Principles of Animation Gr 9-10 Course ID: 949318	Animation I Gr 10-11 Course ID: 947618	Animation II Gr 11-12 Course ID: 947618 *Autodesk Certified User - 3DS Max	Practicum in Animation Gr 12 Course ID: 949218
*Industry-Based Certification Course Outcome				

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

PRINCIPLES OF ANIMATION

KISD Code: 949318

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: Recommended Digital Design Media Production

PEIMS: 13008200

Through the study of the history of animation and the twelve principles of animation, students will gain an understanding of animation and its application through a variety of media. Course concepts include story development, story structure, the use of storyboards in animation, introductory software usage and industry standards. The students will explore different techniques, media, and materials each week in class, and will be expected to take with them the essential knowledge and skills gained and apply them to a series of class exercises and projects.

Required Fee/Materials: \$15

Industry Certification: None

ANIMATION I

KISD Code: 947618

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Animation

PEIMS: 13008300

You will develop technical knowledge and skills needed for success in the animation industry, students will be expected to develop an understanding of the history and techniques of the animation industry. You will use multiple software applications to complete assignments and projects.

Required Fee/Materials: No

Industry Certification: None

ANIMATION II/LAB

KISD Code: 947718

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Animation I

PEIMS: 13008410

This hands-on course allows you to create, edit, and render characters, vehicles, scenes, or objects and to design and produce digital animation using images, video, and audio resources. You will learn design, design history, techniques and tools related to the production of drawings, renderings, and scaled models for commercial or residential purposes.

Required Fee/Materials: No

Industry Certification: Autodesk Certified User - 3DS Max



PRACTICUM IN ANIMATION

KISD Code: 949218

Grade: 12 2 Credit

Grade Points: 6.)

Prerequisite: Animation II

PEIMS: 13008450

You will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production animation products in a professional environment.

Required Fee/Materials: No

Industry Certification: Multiple Adobe Certifications

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Digital Design Media Production Gr 7-8 Course ID: 4922J	Principles of Audio/Video Production Gr 9-10 Course ID: 949518	Audio/Video Production I Gr 10-11 Course ID: 915218	Audio/Video Production II Gr 11-12 Course ID: 915918 *Adobe Certified Associate - Premiere Pro or After Effects	Practicum in Audio/Video Production Gr 12 Course ID: 915418
-OR-				
Web Communications SEMESTER ONLY Gr 7-8 Course ID: 9486J18				
*Industry-Based Certification Course Outcome				

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

WEB COMMUNICATIONS

KISD Code: 9486J18

Grade 7-8 0.5 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580810

This course focuses on teaching students the skills needed to effectively create, manage, and understand web-based content. Students learn website design, digital media principles, and the basics of online communication, including web publishing and content strategy. The course emphasizes practical skills that prepare students for roles in digital marketing, web design, and online media management.

PROFESSIONAL COMMUNICATIONS

KISD #: 9700j18/ 9700 PEIMS: 13009900

Grades: 7-12 0.5 Credit

Prerequisite: None

This is an activity-based career development course in which students will develop an understanding of professional communications through exploration of the career clusters. In this class, you will explore a variety of career options and activities including formal and informal presentations, resume writing, and job interviewing. You will exhibit public relations skills, leadership characteristics, knowledge of the global economy, and information technology applications.

Required Fee/Materials: No

PRINCIPLES OF AUDIO/VIDEO PRODUCTION

KISD Code: 949518

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 1300820

Audio/Video Production program students have a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication. The course will be project-based with emphasis on industry standards for all aspects of the production process for digital content. Areas of instruction include cinema history and development, as well as learning hands-on cinematography basics.

Required Fee/Materials: \$25

Industry Certification: None



AUDIO/VIDEO PRODUCTION I

KISD Code: 915218

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Audio/Video Production

PEIMS: 13008500

You will design, write, produce, exhibit, and publish multimedia content. The course will be project-based with emphasis on industry standards for all aspects of the production process for digital content. Areas of instruction include cinema history and development, cinematography and the operation of video cameras, audio engineering, editing with Adobe Premiere, lighting, script writing, direction, production, and marketing/distribution.

Required Fee/Materials: \$25

Industry Certification: None

AUDIO/VIDEO PRODUCTION II

KISD Code: 915918

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: A/V Production I

PEIMS: 13008600

You will design, write, produce, exhibit, and publish multimedia content. Through diverse forms of storytelling and production, students develop creativity, intellectual curiosity, critical thinking, problem-solving, and collaborative skills to aid in future industry employment.

Required Fee/Materials: \$25

Industry Certification: Adobe Certified Associate - Premiere Pro or After Effects

PRACTICUM IN AUDIO/VIDEO PRODUCTION

KISD Code: 915418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: A/V Production II

PEIMS: 13008700

You will continue animation design and development in laboratory training. You will be expected to develop an increasing understanding of the industry with a focus on applying pre-production, production, and post-production products in a professional environment.

Required Fee/Materials: \$25

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Digital Design Media Production Gr 7-8 Course ID: 4922J	Fashion Design I Gr 10-11 Course ID: 935618	Fashion Design II/Lab Gr 11-12 Course ID: 935918	Practicum in Fashion Design Gr 12 Course ID: 936318 *Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
*Industry-Based Certification Course Outcome			

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

FASHION DESIGN I

KISD Code: 935618

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13009300

You will participate in a laboratory course and gain the knowledge and skills related to the apparel industry and career preparation. Topics include apparel repair and alterations, managing the apparel dollar and the history of fashion. The production of fibers and fabrics, apparel care, garment construction and maintenance are also covered in this course. Quality apparel construction is addressed as it relates to consumer decision making and career preparation for the apparel industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25

Industry Certification: None

FASHION DESIGN II & LAB

KISD Code: 935918

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Fashion Design I

PEIMS: 13009410

You will participate in a laboratory course and gain the knowledge and skills related to apparel from the perspectives of personal decision making relating to the apparel industry and career preparation. Topics include apparel repair and alterations, managing the apparel dollar and the history of fashion. The production of fibers and fabrics, apparel care, garment construction and maintenance are also covered in this course. Quality apparel construction is addressed as it relates to consumer decision making and career preparation for the apparel industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$45

Industry Certification: None



PRACTICUM IN FASHION DESIGN

KISD Code: 936318

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Fashion Design II and Lab

PEIMS: 13009500

You will demonstrate advanced skills in construction, draping, fitting and pattern making. You will construct detailed garments following trends in the apparel industry.

Required Fee/Materials: \$45

Industry Certification: Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Video Game Programming & Design Program



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Digital Design Media Production Gr 7-8 Course ID: 4922J	Video Game Design Gr 9-10 Course ID: 915118	Video Game Programming Gr 10-11 Course ID: 915518	Advanced Video Game Programming Gr 11-12 Course ID: 906018	Practicum in Video Game Programming & Design Gr 12 Course ID: 949418 *Certified User Unity - Programmer
*Industry-Based Certification Course Outcome				
The Video Game Programming & Design Program is affiliated with the Computer Science & Algorithms Program.				

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

DIGITAL DESIGN MEDIA PRODUCTION

KISD Code: 4922J

Grade: 7 - 8 1 Credit

Grade Points: 5.0

Prerequisite: Ability to work independently

PEIMS: 3580400

Obtain hands-on experience working with a variety of media tools (graphic/image, audio, and video) to design multimedia projects. Utilize various software applications including Adobe products such as Photoshop and Illustrator. This project-based course focuses on real-world audiences as customers.

Required Fee/Materials: \$10

Industry Certification: None

VIDEO GAME DESIGN

KISD Code: 915118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13009970

In this course you will explore one of the largest industries in the global marketplace and the new emerging careers it provides in the field of technology. You will learn gaming, computerized gaming, evolution of gaming, artistic aspects of perspective, design, animation, technical concepts of collision theory, and programming logic. You will participate in a simulation of a real video game design team while developing technical proficiency in constructing an original game design.

Required Fee/Materials: No

Industry Certification: None

VIDEO GAME PROGRAMMING

KISD Code: 915518

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Video Game Design

PEIMS: N1300994

Video Game Programming expands on the foundation created in the Video Game Design course through programming languages such as: C# programming, XNA game studio, Java, and Android App. In this course, you will investigate the inner workings of a fully functional role-playing game (RPG) by customizing playable characters, items, maps, and chests and eventually applying customizations by altering and enhancing the core game code.

Required Fee/Materials: \$10

Industry Certification: None

ADVANCED VIDEO GAME PROGRAMMING

KISD Code: 916018

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Video Game Programming

PEIMS: N1300995

Advanced Video Game Programming students will be introduced to mobile application design and programming using Java and Eclipse for Android devices. Time will be spent learning basic Java programming and working with Android Studio to develop real working apps. Using Unity as an introduction to 3D game development, students will have exposure to and an understanding of: object-oriented programming concepts; game development skill with programs such as Unity; 3D modeling with programs such as Blender; image manipulation with programs such as GIMP; concepts related to the design process; and the ability to communicate and collaborate on group-based projects

Required Fee/Materials: No

Industry Certification: None



PRACTICUM IN VIDEO GAME PROGRAMMING & DESIGN

KISD Code: 949418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Advanced Video Game Programming

PEIMS: 13009000

In addition to developing technical knowledge and skills needed for success in the Video Game Programming & Design program, you will be expected to develop a technical understanding of the industry with a focus on skill proficiency.

Required Fee/Materials: No

Industry Certification: Certified User: Programmer

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





JOURNALISM 1

KISD Code: 0150

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

PEIMS: 3230100

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No

Industry Certification: None

PHOTOJOURNALISM

KISD Code: 0158

Grade: 9 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sponsor Approval

PEIMS: 3230800

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: BROADCAST 1

KISD Code: 0176

Grade: 9 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Journalism 1 or Photojournalism and/or Sponsor Approval

PEIMS: 3231900

Students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Required Fee/Materials: \$25

Industry Certification: None

ADVANCED JOURNALISM: BROADCAST 2

KISD Code: 0177

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism: Broadcast 1 and Sponsor Approval

PEIMS: 3231901

Students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Required Fee/Materials: \$25

Industry Certification: None



ADVANCED JOURNALISM: BROADCAST 3

KISD Code: 0178

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism: Broadcast 2 and Sponsor Approval

PEIMS: 3231902

Students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn the laws and ethical considerations that affect broadcast journalism; learn the role and function of broadcast journalism; critique and analyze the significance of visual representations; and learn to produce by creating a broadcast journalism product.

Required Fee/Materials: \$25

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

PEIMS: 03231000, 03231011, 03231022

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Newspaper Production Program

BUSINESS & INDUSTRY ENDORSEMENT



REQUIRED

Level 1	Level 2	Level 3	Level 4
Journalism 1 Course ID: 0150	Advanced Journalism Newspaper 1 Course ID: 0194	Advanced Journalism Newspaper 2 Course ID: 0195	Advanced Journalism Newspaper 3 Course ID: 0196
- OR -		- OR -	- OR -
Photojournalism Course ID: 0158		Independent Study of Journalism Course ID: 0156/0157/0159	Independent Study of Journalism Course ID: 0156/0157/0159

JOURNALISM 1

KISD Code: 150

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

PEIMS: 3230100

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No

Industry Certification: None

PHOTOJOURNALISM

KISD Code: 158

Grade: 9 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sponsor Approval

PEIMS: 3230800

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 1

KISD Code: 194

Grade: 9 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Journalism 1 or Photojournalism and/or Sponsor Approval

PEIMS: 3230140

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on afterschool activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 2

KISD Code: 195

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism Newspaper Production 1 and Sponsor Approval

PEIMS: 3230150

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on afterschool activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 3

KISD Code: 196

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism Newspaper Production 2 and Sponsor Approval

PEIMS: 3230160

Students will work as a team to create an online and/or print school newspaper, covering school and community events. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. As members of the newspaper staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to report on after-school activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

PEIMS: 03231000, 03231011, 03231022

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of
Contents

Graduation
Plan

Special
Programs

Core
Courses

STEM

Business &
Industry

Public
Service

Arts &
Humanities

Multi-
Disciplinary

Advanced
Academics

College
programs

Course Fees

Index





REQUIRED

Level 1	Level 2	Level 3	Level 4
Journalism 1 Course ID: 0150	Advanced Journalism Yearbook 1 Course ID: 0191	Advanced Journalism Yearbook 2 Course ID: 0192	Advanced Journalism Yearbook 3 Course ID: 0193
- OR -		- OR -	- OR -
Photojournalism Course ID: 0158		Independent Study of Yearbook Course ID: 0156/0157/0159	Independent Study of Yearbook Course ID: 0156/0157/0159

JOURNALISM 1

KISD Code: 150

Grade: 9 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Mastery of State Writing Assessment

PEIMS: 3230100

Journalism 1 opens the doors to the field of professional journalism by introducing students to interviewing and the reporting style of writing seen online, on TV, and in magazines and newspapers. Students will also learn about trends in graphics, design, advertising, and career opportunities. This class also provides the opportunity for students to advance to serve on the yearbook or newspaper staff.

Required Fee/Materials: No

Industry Certification: None

PHOTOJOURNALISM

KISD Code: 158

Grade: 9 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sponsor Approval

PEIMS: 3230800

Students will combine the art of photography with the storytelling function of journalism. Students will learn basic camera skills and use composition techniques and settings to improve their photography. Students will learn to enhance their photos using industry standard software. Students are required to provide their own non-automatic, DSLR camera.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: YEARBOOK 1

KISD Code: 191

Grade: 9 - 12 1 Credit

Grade Points: 5.5

Prerequisite:

PEIMS: 3230110

Journalism 1 or Photojournalism and/or Sponsor Approval

Students will work as a team to create a yearbook. Students will develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

ADVANCED JOURNALISM: YEARBOOK 2

KISD Code: 192

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite:

PEIMS: 3230120

Advanced Journalism: Yearbook 1 and Sponsor Approval

Students will work as a team to create a yearbook. Students will further develop real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students are expected to increase involvement and responsibility on staff. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials:

Industry Certification:

No

None



ADVANCED JOURNALISM: YEARBOOK 3

KISD Code: 0193

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Advanced Journalism: Yearbook 2 and Sponsor Approval

PEIMS: 3230130

Students will work as a team to create a yearbook. Students will refine real-world skills including time management, budgeting and working collaboratively while creating publications using industry standard software. Students will lead the staff as editors, section editors or senior staff members. As members of the yearbook staff, students in this course will be expected to: participate in an advertising campaign that includes selling advertisements in the community and to cover after-school activities, as assigned.

Required Fee/Materials: No

Industry Certification: None

INDEPENDENT STUDY OF JOURNALISM

KISD Code: 0156, 0157, 0159

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Sponsor Approval and completion of Advanced Journalism

PEIMS: 03231000, 03231011, 03231022

Independent Study/Journalism is for editors of the yearbook or newspaper. You will work collaboratively to plan deadlines, layout, and content ideas for their designated publication.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Business, Marketing & Finance Gr 8-10 Course ID: 916618	Business Information Management I Gr 9-12 Course ID: 914418	Accounting I Gr 10-12 Course ID: 916218 *Volunteer Income Tax Assistance (Basic)	Accounting II Gr 11-12 Course ID: 916418 *Quickbooks Certified User *Volunteer Income Tax Assistance (Advanced)	Financial Analysis Gr 12 Course ID: 918418 *Volunteer Income Tax Assistance (VFA)
	- AND/OR -	- AND/OR -	- OR -	- OR -
	Money Matters Gr 9-10 Course ID: 918318	Financial Math Gr 10-12 Course ID: 919018	Securities & Investments Gr 11-12 Course ID: 918418 *Volunteer Income Tax Assistance (Basic and Advanced)	Career Preparation Pathway Gr 11-12 Course ID: 9683
Algebra I is a prerequisite for Accounting I and Financial Math. Accounting I is a prerequisite for Accounting II. Strong math skills are recommended for success in this Program.				
*Industry-Based Certification Course Outcome				

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618
Grade: 8 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13011200

Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No
Industry Certification: None

BUSINESS INFORMATION MANAGEMENT I

KISD Code: 914418
Grade: 9 - 12 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13011400

You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.

Required Fee/Materials: No
Industry Certification: None

MONEY MATTERS

KISD Code: 918318
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 130116200

Special emphasis is placed on bank record management, use of credit, investing, insurance, and budgets. In addition, you are introduced to financial market and securities analysis. Current economic events indicate that it is never too early for you to gain an awareness of factors that will impact their short-term and long-term financial plans.

Required Fee/Materials: No
Industry Certification: None

ACCOUNTING I

KISD Code: 916218
Grade: 10 - 12 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13016600

Accounting helps individuals and businesses manage their money. Accounting is one of the fastest growing and highly compensated areas of business. This course includes the complete accounting cycle, end-of-period statements, bank reconciliation, payrolls, and petty cash. Upon completion, students should be able to demonstrate an understanding of accounting principles and apply those skills to a business organization.

Required Fee/Materials: No
Industry Certification: Volunteer Income Tax Assistance (Basic)

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



FINANCIAL MATHEMATICS

KISD #: 919018

Grade: 10 - 12 1 Credit

Prerequisite: Algebra 1

You will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. You will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.

Required Fee/Materials: No

Industry Certification: None

ACCOUNTING II

KISD Code: 916418

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Accounting I

PEIMS: 13016700

Students will engage in various managerial, financial, and operational accounting activities. Students will formulate, interpret, and communicate financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Required Fee/Materials: No

Industry Certification: Quickbooks Certified User, Volunteer Income Tax Assistance (Advanced)

SECURITIES AND INVESTMENTS

KISD Code: 918418

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Accounting I

PEIMS: 13016400

Students will understand laws and regulations to manage business operations and transactions in the securities industry to assist in making decisions common to the industry. Students will determine client needs and wants and respond through planned, personalized communication to influence purchase decisions and enhance future securities sales opportunities.

Required Fee/Materials: No

Industry Certification: Volunteer Income Tax Assistance (Basic and Advanced)

FINANCIAL ANALYSIS

KISD Code: 918618

Grade: 12 1 Credit

Grade Points: 5.5

Prerequisite: Accounting II

PEIMS: 13016800

You will apply technical skills to develop knowledge and skills in the economic, financial, technological, international, social, and ethical aspects of business to become competent consumers, employees, and entrepreneurs. You will develop analytical skills by actively evaluating financial results of multiple businesses, interpreting results for stakeholders, and presenting strategic recommendations for performance improvement.

Required Fee/Materials: No

Industry Certification: Volunteer Income Tax Assistance (VFA)

CAREER PREPARATION I PROGRAM (Finance Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a social Security card) and Approval Process.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None



Business Management Program



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Business, Marketing & Finance Gr 8-10 Course ID: 916618	Business Information Management I Gr 9-12 Course ID: 914418	Business Information Management II -OR- Business Information Management II Dual Credit Gr 10-12 Course ID: 915618 Course ID: 9156DC18 *Microsoft Office Specialist: Expert Word and Excel	Business Management Gr 11-12 Course ID: 912518	Practicum in Business Management Gr 12 Course ID: 912618
		- OR -		- OR -
		Business Law -OR- Business Law Dual Credit Gr 10-12 Course ID: 917318 9173DCA18/9173DCB18		Career Preparation Pathway (Business Management Focus) Gr 11-12 Course ID: 9683

*Industry-Based Certification Course Outcome

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618
Grade: 8-10 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13011200

Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No
Industry Certification: None

BUSINESS INFORMATION MANAGEMENT I

KISD Code: 914418
Grade: 9 - 12 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13011400

You will apply technical skills to address business applications such as creating word-processing documents, developing spreadsheets, formulating databases, and making an electronic presentation using Microsoft Office applications.

Required Fee/Materials: No
Industry Certification: None

BUSINESS INFORMATION MANAGEMENT II

KISD Code: 915618
Grade: 10 - 12 1 Credit
Grade Points: 5.5
Prerequisite: Business Information Management I
PEIMS: 13011500

You will complete this course with an advanced level of proficiency in word processing, spreadsheets, presentation applications and database. Emphasis will be on Microsoft Word and Excel. Instruction will also provide a certification option in PowerPoint.

Required Fee/Materials: \$10
Industry Certification: Microsoft Office Specialist: Microsoft Word Expert, Microsoft Excel Expert

BUSINESS INFORMATION MANAGEMENT II DUAL CREDIT

KISD Code: 9156DC18
Grade: 10 - 12 1 Credit
Grade Points: 6.0
Prerequisite: Business Information Management I
PEIMS: 13011500

You will study computer terminology, hardware, and software related to the business environment. The focus of this advanced course is on business productivity software applications and professional behavior in computing, including word processing, spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet. Emphasis will be on Microsoft Word, Excel, Access and PowerPoint and computer based certification software. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: \$10
Industry Certification: Microsoft Office Specialist: Microsoft Word Expert, Microsoft Excel Expert
BCIS 1305

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



BUSINESS LAW

KISD Code: 917318

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011700

The course provides you with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context.

Required Fee/Materials: No

Industry Certification: None

BUSINESS LAW DUAL CREDIT

KISD Code: 9173DC18

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: None

PEIMS: 13011700

The course provides you with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property, and business law in the global context. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: No

Industry Certification: None

Note: BUSI 2301

BUSINESS MANAGEMENT

KISD Code: 912518

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Business Information Management II or Business Information Management II Dual Credit or Business Law

PEIMS: 13012100

Do you have what it takes to run a business? Learn the ins and outs of staffing issues. Who gets hired and who gets fired? Plan, organize, direct, and lead your business using marketing, financial, and ethical strategies and learn what it takes to make management decisions. You will incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN BUSINESS MANAGEMENT

KISD Code: 912618

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Business Management or Global Business and HR Management if previously taken

PEIMS: 13012200

Now that you have what it takes to run a business from the courses in the Business Management program, you will work collaboratively with others in real-world business models. Plan, organize, direct, and lead your business using marketing, financial, and ethical strategies and learn what it takes to make management decisions. You will incorporate a broad base of knowledge that includes the legal, managerial, marketing, financial, ethical, and international dimensions of business to make appropriate management decisions.

Required Fee/Materials: No

Industry Certification: None

CAREER PREPARATION I PROGRAM(Business Management Program)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





The Entrepreneurship Program is affiliated with the Marketing & Sales Program.

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KISD Code: 916618

Grade: 8 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13011200

Students gain knowledge and skills in economics, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No

Industry Certification: None

ENTREPRENEURSHIP

KISD Code: 959418

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Recommended: Principles of Business, Marketing & Finance

PEIMS: 13034400

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None

ENTREPRENEURSHIP II

KISD Code: 959318

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Entrepreneurship

PEIMS: N1303423

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: Entrepreneurship and Small Business

PRACTICUM IN ENTREPRENEURSHIP

KISD Code: 959718

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Entrepreneurship II

PEIMS: 13034800

You will learn the process of analyzing a business opportunity, preparing a business plan, determining feasibility of an idea using research, and developing a plan to organize and promote the business and its products and services. In addition, you will understand the capital required, the return on investment desired, and the potential for profit.

Required Fee/Materials: No

Industry Certification: None



CAREER PREPARATION I PROGRAM (Entrepreneurship Program)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process.

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Marketing & Sales Program



BUSINESS & INDUSTRY ENDORSEMENT

RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Business, Marketing & Finance Gr 8-10 Course ID: 9166J18/916618	Marketing Gr 9-10 Course ID: 959118	Sports & Entertainment Marketing I / II Gr 10-11 Course ID: 958818/958918	Advanced Marketing Gr 11-12 Course ID: 960018 *Entrepreneurship and Small Business
		-AND/OR -	- OR -
		Social Media Marketing/ Advertising Gr 10-11 Course: 959218 *Stukent Social Media Marketing Certification	Career Preparation Pathway (Marketing & Sales Focus) Gr 11-12 Course ID: 9683

*Industry-Based Certification Course Outcome

The Marketing & Sales Program is affiliated with the Entrepreneurship Program.

PRINCIPLES OF BUSINESS, MARKETING & FINANCE

KUSD Code: 916618
Grade: 8 - 10 1 Credit
Grade Points: 5.0
Prerequisite: None
PEIMS: 13011200

Students gain knowledge and skills in economies, private enterprise, impact of global business, marketing and advertising, business and personal finance. A variety of engaging learning activities provide the foundation for future courses in the business, marketing, and finance clusters.

Required Fee/Materials: No
Industry Certification: None

MARKETING

KUSD Code: 959118
Grade: 9-10 1 Credit
Grade Points: 5.0
Prerequisite:
PEIMS: N1303424

Marketing explores the seven core functions of marketing including marketing planning, marketing-information management, pricing, product/service management, channel management, and selling. Students will demonstrate knowledge in hands-on projects which may include conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

Required Fee/Materials: No
Industry Certification: None

SPORTS & ENTERTAINMENT MARKETING

KUSD Code: 958818
Grade: 10 - 11 0.5 Credit
Grade Points: 5.0
Prerequisite: Marketing
PEIMS: 13034600

Students will gain knowledge of marketing concepts and theories that apply to sports and entertainment. This course includes basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies.

Required Fee/Materials: No
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



SPORTS AND ENTERTAINMENT MARKETING II

KISD Code: 958918

Grade: 10-11 0.5 Credit

Grade Points: 5.0

Prerequisite: Sports and Entertainment Marketing

PEIMS: N1303422

In this course you will develop a thorough understanding of advanced marketing concepts and theories as they relate to the sports and entertainment industries. You will investigate the components of branding, sponsorships, and endorsements, as well as promotion plans needed for sports and entertainment events. Through this course you will also support career development skills and explore career options.

Required Fee/Materials: No

Industry Certification: None

SOCIAL MEDIA MARKETING

KISD Code: 959218

Grade: 10 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Marketing

PEIMS: 13034650

This course is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. You will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social media platforms to engage consumers and monitor and measure the results of these efforts.

Required Fee/Materials: No

Industry Certification: Student Social Media Marketing Certification

ADVERTISING

KISD Code: 959518

Grade: 10 - 11 0.5 Credit

Grade Points: 5.0

Prerequisite: Marketing

PEIMS: 13034200

Students will gain knowledge of techniques used in the current advertising industry, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion.

Required Fee/Materials: No

Industry Certification: None

ADVANCED MARKETING

KISD Code: 960018

Grade: 11-12 2 Credit

Grade Points: 5.0

Prerequisite: 2 of 3 of the following: Sports & Entertainment Marketing II or Social Media Marketing or Advertising

PEIMS: 13034700

In Advanced Marketing, students will gain knowledge and skills that help them become proficient in one or more of the marketing functional areas. Students will illustrate appropriate management and research skills to solve problems related to marketing. This course covers technology, communication, and customer-service skills.

Required Fee/Materials: No

Industry Certification: Entrepreneurship and Small Business

CAREER PREPARATION I PROGRAM (Marketing & Sales Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Culinary Arts Program

BUSINESS & INDUSTRY ENDORSEMENT



PRINCIPLES OF HOSPITALITY & TOURISM

KISD Code: 935118
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 1302200

In this course, you will investigate careers in the hospitality cluster including, travel and tourism, recreation, amusement, attractions, resorts, restaurants, and food beverage services. You will also gain an understanding of the restaurant industry, including sanitation and safety, and food service practices. This course is hands-on, lab based, and project focused. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25
Industry Certification: None

CULINARY ARTS

KISD Code: 935018
Grade: 10 - 11 **2 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13022600

You will learn the fundamentals and principles of the art of cooking and the science of baking. Emphasis is placed on safety, management, production skills and techniques in a professional kitchen setting. You can pursue a national sanitation certification, ServSafe Certification, or any other appropriate food industry certification. This course will be offered as a laboratory based course. You are encouraged to participate in extended learning experiences. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$65/\$75
Industry Certification: ServSafe Food Handler
Note: Offered at Klein, Klein Forest and Klein Cain High Schools.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED CULINARY ARTS

KISD Code: 936418

Grade: 11 - 12 **2 Credit**

Grade Points: 5.5

Prerequisite: Culinary Arts

PEIMS: 13022650

In this course you will be able to expand your culinary skills, learn management, and leadership practices of the culinary industry. Students are taught employability skills, which include job-specific traits, job interview techniques, communication skills, financial and budgeting activities, human relations, and portfolio development. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$100

Industry Certification: Servsafe Manager

Notes: Offered at Klein, Klein Forest and Klein Cain High Schools

PRACTICUM IN CULINARY ARTS

KISD Code: 935218

Grade: 12 **2 Credit**

Grade Points: 5.5

Prerequisite: Advanced Culinary Arts

PEIMS: 13022700

Students will participate in a practicum learning experience that combines classroom instruction and actual business and industry career experiences. Students are taught employability skills, including job-specific skills applicable to their training plan, job interview techniques, communication skills, financial and budget activities, human relations, and portfolio development. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$100

Industry Certification: None

Note: Offered at Klein, Klein Forest and Klein Cain High Schools

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED

Level 1	Level 2	Level 3	Level 4
Principles of Applied Engineering Gr 7-10 Course ID: 947018	Robotics I Gr 9-11 Course ID: 964118	Robotics II Gr 10-12 Course ID: 964218 *Autodesk Certified User - Inventor	Practicum in Robotics Gr 11-12 Course ID: 966418 *SolidWorks Associate (CSWA-EDU)
*Industry-Based Certification Course Outcome			
The Robotics Program is affiliated with the Engineering Design Program.			

PRINCIPLES OF APPLIED ENGINEERING

KISD Code: 947018

Grade: 7 - 10 1 Credit

Grade Points: 5.0

Prerequisite: Strong Math Skills

PEIMS: 13036200

Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware, software applications, and Autodesk AutoCAD to complete assignments and projects.

Required Fee/Materials: \$10

Industry Certification: Autodesk Certified User in AutoCAD

ROBOTICS I

KISD Code: 964118

Grade: 9 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Applied Engineering

PEIMS: 13037000

Are you ready to transfer your academic skills to component designs in a project-based environment through implementation of the design process? In this class you will build prototypes or use simulation software to test your designs. Additionally, you will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

ROBOTICS II

KISD Code: 964218

Grade: 10 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Robotics I

PEIMS: 13037050

In this course you will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, you will transfer your academic skills to component designs in a project-based environment. You will construct complex robots or use simulation software to test your prototypes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User - Inventor

PRACTICUM IN ROBOTICS

KISD Code: 966418

Grade: 11-12 2 Credit

Grade Points: 5.5

Prerequisite: Robotics II

PEIMS: 13033000

You will continue to expand their knowledge of automation with complex programming, differentiated types of robotic components and structure design. You will have opportunities to participate in competitions to modify prototype designs. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$20

Industry Certification: SolidWorks Associate (CSWA-EDU)



ROBOTICS I

KISD Code: 964118

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Applied Engineering

PEIMS: 13037000

Are you ready to transfer your academic skills to component designs in a project-based environment through implementation of the design process? In this class you will build prototypes or use simulation software to test your designs. Additionally, you will explore career opportunities, employer expectations, and educational needs in the robotic and automation industry. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$10

Industry Certification: None

ROBOTICS II

KISD Code: 964218

Grade: 11 - 12 1 Credit

Grade Points: 5.5

Prerequisite: Robotics I

PEIMS: 13037050

In this course you will explore artificial intelligence and programming in the robotic and automation industry. Through implementation of the design process, you will transfer your academic skills to component designs in a project-based environment. You will construct complex robots or use simulation software to test your prototypes. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: Autodesk Certified User - Inventor

PRACTICUM IN ROBOTICS

KISD Code: 966418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Robotics II

PEIMS: 13033000

You will continue to expand their knowledge of automation with complex programming, differentiated types of robotic components and structure design. You will have opportunities to participate in competitions to modify prototype designs. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$20

Industry Certification: SolidWorks Associate (CSWA-EDU)

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Welding Program

BUSINESS & INDUSTRY ENDORSEMENT



RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Introduction to Welding Gr 9-10 Course ID: 966718	Welding I Gr 10-11 Course ID: 966818	Welding II Gr 11-12 Course ID: 967018 *American Welding Society D1.1 and D9.1	Practicum in Welding Gr 12 Course ID: 966918
			- OR -
			Career Preparation Pathway (Welding Focus) Gr 11-12 Course ID: 9683
*Industry-Based Certification Course Outcome			
This Program is offered exclusively at Klein Cain & Klein Oak High Schools.			

INTRODUCTION TO WELDING

KISD Code: 966718
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13032250

Students will gain knowledge of welding technology with an emphasis on basic welding laboratory principles and operating procedures. Students will be introduced to the three basic welding processes: industrial safety and health practices, hand tool and power machine use, measurement, laboratory operating procedures, welding power sources, welding career potentials, and introduction to welding codes and standards. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$25 (Optional \$275 Safety & PPE)

Industry Certification: None

Note: Offered at Klein Cain and Klein Oak High Schools

WELDING I

KISD Code: 966818
Grade: 10 - 11 **2 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13032300

This sequential two-year program is designed to prepare students to be skilled workers and to understand, perform and supervise or inspect a wide variety of welding processes, including gas welding, brazing, flame cutting, plasma cutting, shielded metal arc welding and resistance welding. Introduction to gas metal arc welding, gas tungsten arc welding and flux core welding will also be explored. Students will develop a basic understanding of design for welding fabrication, an understanding of the cost and economics of various types of welding. Students are introduced to the methods of nondestructive and destructive inspection of welds and welded products. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40 (Optional \$275 Safety & PPE)

Industry Certification: None

Note: Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



WELDING II

KISD Code: 967018

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Welding I

PEIMS: 13032400

Welding II is the second part of a two-year program designed to prepare students to be skilled workers and to understand, perform and supervise or inspect a wide variety of welding processes, including gas welding, flame cutting, plasma cutting, arc gouging, shielded metal arc welding, gas metal arc welding, gas tungsten arc welding and flux core welding. Students will understand non-destructive and destructive inspection of welds and welded products and auxiliary equipment used in the process, such as jigs, fixtures, and tools and equipment related to welding. Students will develop math skills and problem-solving skills used in the welding field. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$50 (Optional \$275 Safety & PPE)

Industry Certification: AWS D1.1 and AWS D9.1 Welding

Note: Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

PRACTICUM IN WELDING

KISD Code: 966918

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Welding II

PEIMS: 13033000

Students in this course will participate in a continuation of Welding II in a lab-based environment. Advanced welding processes, design and weld testing will be the focus of this course.

Required Fee/Materials: \$60 (Optional \$275 Safety & PPE)

Industry Certification: None

Note: Transportation Needed: Yes

Offered at Klein Cain and Klein Oak High Schools

CAREER PREPARATION I PROGRAM (Welding Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Automotive Technology Program

BUSINESS & INDUSTRY ENDORSEMENT



RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Automotive Basics Gr 9-10 Course ID: 961118	Automotive Technology I Gr 10-11 Course ID: 961218	Automotive Technology II Gr 11-12 Course ID: 961418 *Automotive Service Excellence - Entry Level	Practicum in Automotive Technology Gr 12 Course ID: 961918
	or	or	or
	Automotive Technology I Dual Credit Gr 10-11 Course ID: 9612DC18	Automotive Technology II Dual Credit Gr 11-12 Course ID: 9614DC18 *Automotive Service Excellence - Entry Level	Career Preparation Pathway (Automotive Focus) Gr 11-12 Course ID: 9683
*Industry-Based Certification Course Outcome			

AUTOMOTIVE BASICS

KISD Code: 961118
 Grade: 9 - 10 1 Credit
 Grade Points: 5.0
 Prerequisite: None
 PEIMS: 13039600

Students will learn basic automotive systems, the theory and principles of the components that make up each system, and how to service these systems, including applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15
Industry Certification: None

AUTOMOTIVE TECHNOLOGY I

KISD Code: 961218
 Grade: 10 - 11 2 Credit
 Grade Points: 5.0
 Prerequisite: Automotive Basics (Recommended)
 PEIMS: 13039600

This sequential two-year program is designed to train students through classroom instruction, interactive computer application, and lab experiences. Students will be taught fundamentals and operation of all major automotive systems. Students will demonstrate knowledge of the concepts and skills related to the following automotive areas: (1) Brakes, (2) Steering and Suspension, (3) Electrical and Electronic Systems, and (4) Engine Performance. Special emphasis is placed on professional work ethics and safety. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65
Industry Certification: ASE - Entry Level Student Certifications

AUTOMOTIVE TECHNOLOGY II

KISD Code: 961418
 Grade: 11 - 12 2 Credit
 Grade Points: 5.5
 Prerequisite: Automotive Technology I
 PEIMS: 13039700

This course is a continuation of Automotive Technology and is designed to train you through classroom instruction, interactive computer application, and lab experiences. You will demonstrate knowledge of the concepts and skills related to the following automotive areas: (a) Brakes, (b) Steering and Suspension, (c) Electrical and Electronic Systems, and (d) Engine Performance. Special emphasis is placed on professional work ethics and safety. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65
Industry Certification: ASE - Entry Level Student Certifications

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PRACTICUM IN AUTOMOTIVE TECHNOLOGY

KISD Code: 961918

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Automotive Technology II

PEIMS: 13040450

You will participate in a course designed to provide job specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in Automotive Technology. You will be challenged with the application of gained knowledge and skills from Automotive Technology I and II. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$65

Industry Certification: None

CAREER PREPARATION I PROGRAM (Automotive Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Note: Approval Process: Yes

Transportation Needed: Yes



Outdoor Power Equipment & Small Engine Technology Program

BUSINESS & INDUSTRY ENDORSEMENT



Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Automotive Basics Gr 9-10 Course ID: 961118	Outdoor Power Equipment & Small Engine Technology I Gr 10-11 Course ID: 967218	Outdoor Power Equipment & Small Engine Technology II Gr 11-12 Course ID: 967418 *Principles of Small Engine Technology Certification		Practicum in Outdoor Power Equipment & Small Engine Technology Gr 12 Course ID: 967118
*Industry-Based Certification Course Outcome				
This Program is offered exclusively Klein Oak High School.				

AUTOMOTIVE BASICS

KISD Code: 961118

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13039550

Students will learn basic automotive systems, the theory and principles of the components that make up each system, and how to service these systems, including applicable safety and environmental rules and regulations. The focus of this course is to teach safety, tool identification, proper tool use, and employability. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY I

KISD Code: 967218

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13040000

This sequential two-year program is designed to provide training for entry-level employment in the air and liquid cooled engine technology industry. Skills developed include knowledge of the function, limited diagnosis and service of the systems and components of all types of lawn care equipment and irrigation engines. Instruction consists of repairing and servicing cooling systems, air cleaners, fuel systems, lubricating systems, and starter/ignition systems. In addition, you will receive instruction in safety, academic, leadership skills and career opportunities. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein Oak High School

OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY II

KISD Code: 967418

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: Small Engine Technology I

PEIMS: 13040100

This course is a continuation of Small Engine Technology and will include advanced knowledge of the function, diagnosis, and service of the systems and components of all types of lawn equipment, motorcycle, marine engines, and irrigation engines. In this course you will repair and service cooling systems, fuel systems, lubrication systems, electrical/ignition systems, and mechanical systems. In addition, you will receive instruction in safety, academic, leadership skills and career opportunities. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.**

Required Fee/Materials: \$15

Industry Certification: Principles of Small Engine Technology Certifications

Note: Offered at Klein Oak High School



PRACTICUM IN OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY

KISD Code: 967118

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Small Engine Technology II

PEIMS: 13040450

Students will participate in a course designed to provide job specific skills through laboratory training and simulated work situations in areas compatible with identified career goals in small engine technology.

Required Fee/Materials: \$15

Industry Certification: None

Note: Offered at Klein Oak High School

CAREER PREPARATION I PROGRAM (Small Engine Focus)

KISD Code: 9683

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process

PEIMS: 12701121

A work-based learning program that combines occupationally related classroom instruction and work-based experiences. You are expected to be enrolled in the career preparation program the entire school year and must have reliable transportation to/from the training site each day. If you are not employed at an approved training station prior to the ninth day of school will have a schedule change removing him/her from the Career Preparation program. You must be in a paid position and may not be employed by a relative. You will receive an employer evaluation each grading period as one component of the nine-week average.

Required Fee/Materials: No

Industry Certification: None

Note: Approval Process: Yes

Transportation Needed: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Public Service Endorsement

<u>Early Learning Program</u>	<u>115</u>
<u>Teaching & Training Program</u>	<u>117</u>
<u>Emergency Medical Technician Program</u>	<u>119</u>
<u>Health Science Clinical Program</u>	<u>121</u>
<u>Medical Science Program</u>	<u>123</u>
<u>Pharmacy Program</u>	<u>125</u>
<u>HealthCare Diagnostics Program</u>	<u>127</u>
<u>Exercise Science & Wellness Program</u>	<u>129</u>
<u>Cosmetology Program</u>	<u>131</u>
<u>Family & Community Services Program</u>	<u>132</u>
<u>Forensic Science Program</u>	<u>134</u>
<u>Law Enforcement Program</u>	<u>136</u>
<u>Legal Studies Program</u>	<u>138</u>
<u>JROTC</u>	<u>140</u>
<u>Other CTE Courses</u>	<u>143</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Human Services Gr 7-9 Course ID: 933118	Principles in Education & Training Gr 9-10 Course ID: 932918	Child Development Gr 10-11 Course ID: 933518	Child Guidance (Early Learning) Gr 11-12 Course ID: 933618 *Educational Aide I Certification	Practicum in Early Learning Gr 12 Course ID: 933818 *Educational Aide I Certification

*Industry-Based Certification Course Outcome

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118

Grade: 7 - 9 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024200

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings.

Required Fee/Materials: \$20/\$20

Industry Certification: None

PRINCIPLES OF EDUCATION & TRAINING

KISD Code: 932918

Grade: 9 - 10 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13014200

In this course, you will gain knowledge of the various careers available within the Education and Training program. You will use self-knowledge as well as educational and career information to analyze various careers and develop a graduation plan that leads to a specific career choice in your interest area. This course focuses on introducing the practices of planning, managing, and providing education and training services and related learning support services.

Required Fee/Materials: No

Industry Certification: None

CHILD DEVELOPMENT

KISD Code: 933518

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024700

You will gain knowledge and skills related to prenatal development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include family management, characteristics of quality childcare, and career options related to the care and education of children.

Required Fee/Materials: No

Industry Certification: None

CHILD GUIDANCE

KISD Code: 933618

Grade: 11 - 12 2 Credit

Grade Points: 5.0

Prerequisite: Child Development and Approval Process

PEIMS: 13024800

You will gain knowledge and skills related to child growth and guidance equipping you to develop positive relationships with children and effective caregiver skills. You will use these skills to promote the well-being and healthy development of children, strengthen a culturally diverse society, and pursue careers related to the care, guidance, and education of children. Instruction will be delivered through school-based lab training. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40

Industry Certification: None

Note: Approval Process: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



PRACTICUM IN EARLY LEARNING

KISD Code: 933818

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Child Guidance and Approval Process

PEIMS: 13025000

You will gain knowledge and skills related to the development of consumer services, early childhood development and services, counseling and mental health services, and family and community services careers. Instruction will be delivered through a school-based laboratory training.

Required Fee/Materials: \$40

Industry Certification: Educational Aide I Certification

Note: Approval Process: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

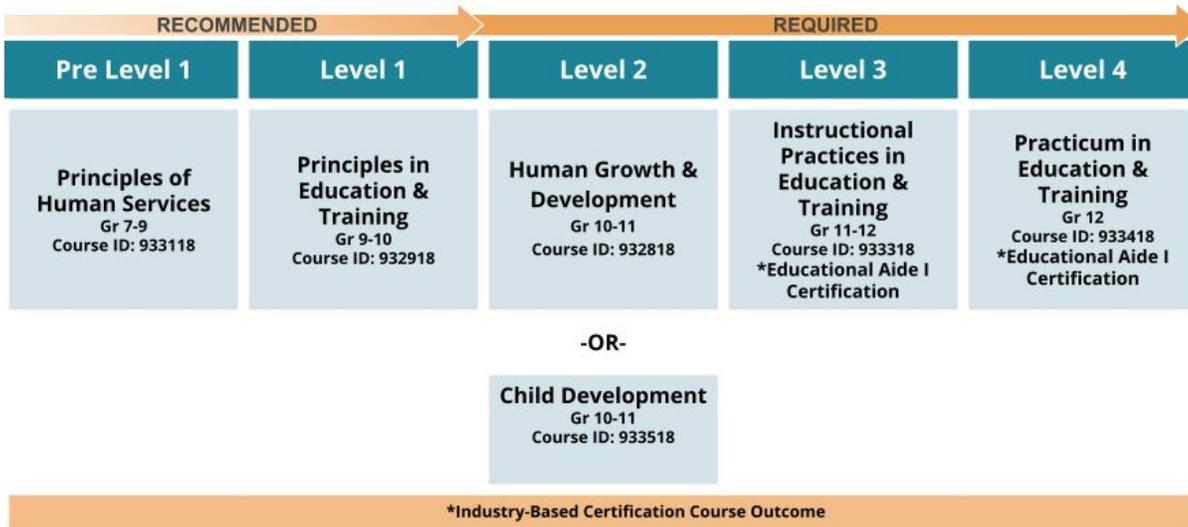
Course Fees

Index



Teaching & Training Program

PUBLIC SERVICE ENDORSEMENT



PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118
Grade: 7 - 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13024200

You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings.

Required Fee/Materials: \$20/\$20
Industry Certification: None

PRINCIPLES OF EDUCATION & TRAINING

KISD Code: 932918
Grade: 9 - 10 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13014200

In this course, you will gain knowledge of the various careers available within the Education and Training program. You will use self-knowledge as well as educational and career information to analyze various careers and develop a graduation plan that leads to a specific career choice in your interest area. This course focuses on introducing the practices of planning, managing, and providing education and training services and related learning support services.

Required Fee/Materials: No
Industry Certification: None

HUMAN GROWTH & DEVELOPMENT

KISD Code: 932818
Grade: 10 - 11 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13014300

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Required Fee/Materials: No
Industry Certification: None

CHILD DEVELOPMENT

KISD Code: 933518
Grade: 10 - 11 **1 Credit**
Grade Points: 5.0
Prerequisite: None
PEIMS: 13024700

You will gain knowledge and skills related to prenatal development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include family management, characteristics of quality childcare, and career options related to the care and education of children.

Required Fee/Materials: No
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING

KISD Code: 933318

Grade: 11 - 12 2 Credit

Grade Points: 5.5

Prerequisite: Human Growth & Development or Child Development

PEIMS: 13014400

You will participate in a field-based internship that improves knowledge of child and adolescent development, as well as principles of effective teaching and training practices. You will be placed at either the elementary or intermediate school level with a field-site teacher. You will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$35

Industry Certification: Educational Aide I Certification

Note: Transportation Needed: Yes

Approval Process: Yes

PRACTICUM IN EDUCATION AND TRAINING

KISD Code: 933418

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Instructional Practices in Education and Training

PEIMS: 13014500

If you wish to continue a second year of the field-based internship, you may pursue the practicum course. You will be placed at either the elementary or intermediate school level with a fieldsite teacher. You will learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$35

Industry Certification: Educational Aide I Certification

Note: Transportation Needed: Yes

Approval Process: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Emergency Medical Technician Program

PUBLIC SERVICE AND/OR STEM ENDORSEMENT



REQUIRED

Level 1	Level 2	Level 3	Level 4
Principles of Health Science Gr 9-10 Course ID: 927018	Medical Terminology Gr 10 Course ID: 927818	Health Science Theory Gr 11 Course ID: 926318 *CPR Certification (BLS)	Practicum in Health Science – EMT Gr 12 Course ID: 927618 *Emergency Medical Technician

*Level 1 and Level 2 courses may be taken concurrently.

-AND-

Anatomy & Physiology
 -OR-
Anatomy & Physiology Dual Credit
 Gr 10-12
 Course ID: 927118/9271DC18

*Industry-Based Certification Course Outcome

This program occurs on limited campuses.

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018

Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

PEIMS: 13020200

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

PEIMS: 13020300

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note: Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

PEIMS: 13020400

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS) (Not CCMR Eligible)

Note: 11th graders may take Medical Terminology and Health Science Theory concurrently.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ANATOMY & PHYSIOLOGY

KISD Code: 927118 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18 PEIMS: 13020600

Grade: 10 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE - EMT

KISD Code: 927618 PEIMS: 13020500

Grade: 12 2 Credit

Grade Points: 6.0

Prerequisite: Health Science Theory and Anatomy and Physiology

Recommended Prerequisite: Pharmacology

Age Requirement: A student in the Practicum of Health Science EMT class must be 17 years of age on or before June 1st, of their 12th grade year.

Are you interested in becoming an EMT? Students in this course will gain knowledge and skills related to patient assessment, spinal immobilization, trauma management, treatment of medical emergencies, and mechanical aids to breathing. Participation requires an additional twenty-four (24) hours of ambulance experience, twelve (12) hours of emergency room observation, four (4) hours in the communication center and eight (8) hours for extrication day events. The student must submit documentation for the following: (1) current TB skin test, (2) ten panel drug screening, (3) influenza vaccination, (4) physical examination, (5) documentation of current/updated immunizations, and (6) valid Social Security Number. Student uniform, blood pressure cuff, stethoscope, trauma scissors, penlight, and safety glasses are required prior to contact with patients. Additional requirements or changes in printed requirements are subject to change due to agreements with partnering EMT agencies. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$468/\$17 May be variable based on provider

All required fees associated with this course must be paid prior to the course drop date to remain in the course.

Industry Certification: Emergency Medical Technician

Students are required to verify their COVID-19 vaccination records.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Health Science Gr 9-10 Course ID: 927018	Medical Terminology Gr 10 Course ID: 927818	Health Science Theory Gr 11 Course ID: 926318 *CPR Certification (BLS)	Practicum in Health Science Clinical Gr 12 Course ID: 927918 *Certified Medical Assistant
*Level 1 and Level 2 courses may be taken concurrently.		-AND-	
Anatomy & Physiology -OR- Anatomy & Physiology Dual Credit Gr 10-12 Course ID: 927118/9271DC18			
*Industry-Based Certification Course Outcome			

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
 Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300
 Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note: Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400
 Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS) (Not CCMR Eligible)

Note: 11th graders may take Medical Terminology and Health Science Theory concurrently.



ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE - CLINICAL

KISD Code: 927918

PEIMS: 13020500

Grade: 12

2 Credit

Grade Points: 6.0

Prerequisite: Health Science Theory and Anatomy and Physiology

Through this course, students will develop knowledge and skills related to a wide variety of health careers. Students will observe and assist professional health care personnel in clinical/hospital environments. Students must submit documentation of the following health screenings/status: Tuberculin skin test, proof of Rubella and Rubeola immunity, Varicella immunity, TDAP and Hepatitis B series immunization is required. Due to specific clinical/hospital requirements, students may be required to pass a criminal background check, drug screening, and/or verify personal health insurance coverage with an insurer approved by the hospital/facility in order to participate in the course. Some of the hospital agreements may require students to provide documentation of citizenship status and/or a social security number. Students will be notified at the beginning of the course if other facilities have additional requirements. A uniform, name tag, stethoscope and professional liability insurance is required. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$100 (\$17 to be used for Malpractice Insurance)

Industry Certification: Certified Medical Assistant

Note:* Malpractice Insurance

Students are required to verify their COVID-19 vaccination records.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Medical Sciences Program

PUBLIC SERVICE AND/OR STEM ENDORSEMENT



RECOMMENDED		REQUIRED	
Level 1	Level 2	Level 3	Level 4
Principles of Health Science Gr 9-10 Course ID: 927018	Medical Terminology Gr 10 Course ID: 927818	Anatomy & Physiology -OR- Anatomy & Physiology Dual Credit Gr 10-12 Course ID: 927118 9292DCA18/9292DCB18	Pathophysiology Gr 11-12 Course ID: 928218

*Level 1 and Level 2 courses may be taken concurrently.

Suggested Concurrent Enrollment

Medical Microbiology
 -OR-
Medical Microbiology Dual Credit
 Gr 11-12
 Course ID: 928118
 9281DCA18/9281DCB18

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 **PEIMS:** 13020200
Grade: 9 **1 Credit**
Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No
Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 **PEIMS:** 13020300
Grade: 10 **1 Credit**
Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No
Industry Certification: None

Note:Principles of Health Science may be taken concurrently for students in grade 10

ANATOMY & PHYSIOLOGY

KISD Code: 927118 **PEIMS:** 13020600
Grade: 10 - 12 **1 Credit**
Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab Fee
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

MEDICAL MICROBIOLOGY

KISD Code: 928118

PEIMS: 13020700

Grade: 11 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: Suggested Concurrent Enrollment in A&P or A&P DC 4th Science Credit Option

MEDICAL MICROBIOLOGY DUAL CREDIT

KISD Code: 9281DC18

PEIMS: 13020700

Grade: 11 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Emphasis will be placed on the exploration of the microbial world, studying topics such as pathogenic and non-pathogenic microorganisms, laboratory procedures, identifying microorganisms, drug resistant organisms, and emerging diseases. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes

Industry Certification: None

Note: Dual Credit Correlation BIOL 2420

Offered at Klein High and Klein Collins ONLY

PATHOPHYSIOLOGY

KISD Code: 928218

PEIMS: 13020800

Grade: 11 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Anatomy and Physiology

Recommended Prerequisite: Principles of Health Science and Medical Terminology

Students will conduct laboratory and field investigations, use scientific methods during investigations, make informed decisions using critical thinking and scientific problem-solving and demonstrate professional standards as related to business and industry. Students in Pathophysiology study disease processes and how humans are affected. Emphasis is placed on prevention and treatment of disease. Students will differentiate between normal and abnormal physiology. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note: 4th Science Credit Option

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED			
Level 1	Level 2	Level 3	Level 4
Principles of Health Science Gr 9-10 Course ID: 927018	Medical Terminology Gr 10 Course ID: 927818	Health Science Theory Gr 11 Course ID: 926318 *CPR Certification (BLS)	Practicum in Health Science - Certified Pharmacy Technician Gr 12 Course ID: 927718 *Certified Pharmacy Technician
*Level 1 and Level 2 courses may be taken concurrently.		- AND -	
Pharmacology Gr 11 Course ID: 926718			
*Industry-Based Certification Course Outcome			

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
 Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: **Biology I or Concurrent Enrollment**

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: **No**
 Industry Certification: **None**

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300
 Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: **Principles of Health Science OR Concurrent Enrollment in Principles of Health Science**

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: **No**
 Industry Certification: **None**

Note: Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400
 Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: **Principles of Health Science and Medical Terminology**

Recommended Prerequisite: **Anatomy and Physiology**

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: **\$10**
 Industry Certification: **CPR Certification (BLS) (Not CCMR Eligible)**

Note: 11th graders may take Medical Terminology and Health Science Theory concurrently.



PHARMACOLOGY

KISD Code: 926718

PEIMS: 13020950

Grade: 11

1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science and Medical Terminology

You will study how natural and synthetic chemical agents such as drugs affect biological systems. Knowledge of the properties of therapeutic agents is vital in providing quality health care. It is an ever-changing, growing body of information that continually demands greater amounts of time and education from health care workers. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN HEALTH SCIENCE - CERTIFIED PHARMACY TECHNICIAN

KISD Code: 927718

PEIMS: 13020500

Grade: 12

2 Credit

Grade Points: 6.0

Prerequisite: Health Science Theory and Pharmacology

You will gain knowledge and skills for certification as a Certified Pharmacy Technician. Course is comprised of classroom instruction, lab applications, and independent study. You will learn federal and state law pertaining to the pharmacy industry, drug classifications, medical terminology, ethical and legal issues, safety, aseptic technique, calculations, career opportunities, and pharmacy operations. Upon successful completion of the course, you will be eligible to test for the national Certified Pharmacy Technician certification. You must provide proof of a high school diploma to receive certification. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. This course has a certification that is paid for by the district. It is expected that the student will take the certification test, to the best of their ability, as a part of their course outcome.

Required Fee/Materials: \$100

Industry Certification: Certified Pharmacy Technician

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED

Level 1	Level 2	Level 3	Level 4
Principles of Health Science Gr 9-10 Course ID: 927018	Medical Terminology Gr 10 Course ID: 927818	Health Science Theory Gr 11 Course ID: 926318 *CPR Certification (BLS)	Practicum in Health Science - Diagnostics Gr 12 Course ID: 926218 *Phlebotomy Technician *Certified EKG Technician

*Level 1 and Level 2 courses may be taken concurrently.

-AND-

Anatomy & Physiology
 -OR-
Anatomy & Physiology Dual Credit
 Gr 10-12
 Course ID: 927118/9271DC18

*Industry-Based Certification Course Outcome

PRINCIPLES OF HEALTH SCIENCE

KISD Code: 927018 PEIMS: 13020200
 Grade: 9 1 Credit

Grade Points: 5.0

Prerequisite: Biology I or Concurrent Enrollment

Are you interested in medical and associated health careers? This course provides an overview of the therapeutic, diagnostic, environmental, and informational systems of the healthcare industry. Topics include career requirements, medical history, trends in financing health care, ethical and legal responsibilities, human anatomy and physiology as related to the healthcare profession, client care, safety, first aid, and CPR. This course prepares students for the transition to clinical and/or work-based experiences available in the advanced health science courses.

Required Fee/Materials: No

Industry Certification: None

MEDICAL TERMINOLOGY

KISD Code: 927818 PEIMS: 13020300

Grade: 10 1 Credit

Grade Points: 5.0

Prerequisite: Principles of Health Science OR Concurrent Enrollment in Principles of Health Science

You will develop a working knowledge of the language of medicine and acquire word-building skills by learning prefixes, suffixes, word roots, abbreviations, and acronyms. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances your ability to successfully secure employment or pursue advanced education in health care.

Required Fee/Materials: No

Industry Certification: None

Note: Principles of Health Science may be taken concurrently for students in grade 10

HEALTH SCIENCE THEORY

KISD Code: 926318 PEIMS: 13020400

Grade: 11 1 Credit

Grade Points: 5.5

Prerequisite: Principles of Health Science and Medical Terminology

Recommended Prerequisite: Anatomy and Physiology

You will develop knowledge and skills related to a wide variety of health careers opportunities, advanced medical terminology, anatomy and physiology, and pathophysiology as related to the healthcare profession. Instruction in this course will be classroom based but will lead to several other hands-on, work based learning, or project based learning style courses.

Required Fee/Materials: \$10

Industry Certification: CPR Certification (BLS) (Not CCMR Eligible)

Note: 11th graders may take Medical Terminology and Health Science Theory concurrently.



ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes;\$35 Lab Fee

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab Fee

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

PRACTICUM IN HEALTH SCIENCE- DIAGNOSTICS

KISD Code: 926218

PEIMS: 13020500

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Health Science Theory and Anatomy and Physiology

Are you interested in pursuing a career in the health care diagnostic industry? Students in this course will learn to reason, think critically, make decisions, solve problems, and communicate effectively. Students will recognize that quality health care depends on their ability to work well with others. This course comprises diagnostic services and biotechnology research and development systems that function individually and collaboratively to provide comprehensive health care. Students will learn about the employment opportunities, technology, and safety requirements of each system. Students are expected to apply the knowledge and skills necessary to pursue health science certifications such as Certified Medical Assistant and Certified EKG Technician. Through this course students will be able to participate in extended learning experiences through the HOSA organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$150

Industry Certification: Phlebotomy Technician and Certified EKG Technician

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

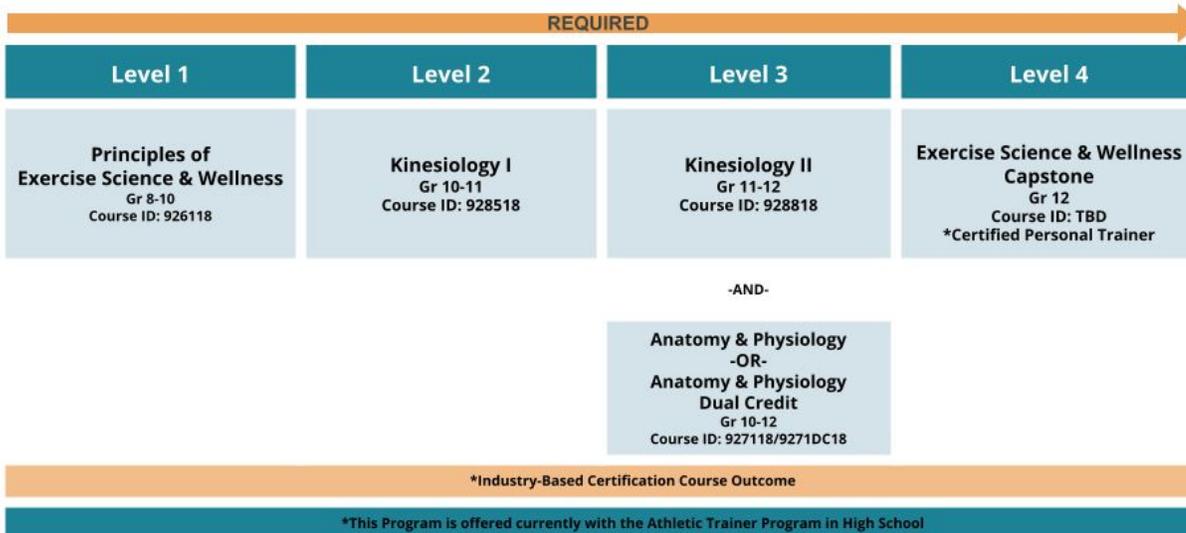
Advanced Academics

College programs

Course Fees

Index





PRINCIPLES OF EXERCISE SCIENCE & WELLNESS

KISD Code: 926118 **PEIMS:** N1302107
Grade: 9-10 **1 Credit**
Grade Points: 5.0
Prerequisite:

The Principles of Exercise Science and Wellness course is designed to provide for the development of knowledge and skills in fields that assist patients with maintaining physical, mental, and emotional health. Students in this course will understand diet and exercise, as well as techniques to help patients recover from injury, illness, and disease. They will also learn about introductory health science topics such as employability skills, lifespan development, and ethical and legal standards. Students who take this course are ideally interested in such careers as physical therapy, athletic training, nutrition, personal training, and recreational therapy. The central focus of this course is to provide students with a solid foundation in the topics of health and wellness and increase their interest in the various careers available in these fields.

Required Fee/Materials: No
Industry Certification: None

KINESIOLOGY I

KISD Code: 928518 **PEIMS:** N1302104
Grade: 9-10 **1 Credit**
Grade Points: 5.0

Prerequisite: Principles of Exercise Science & Wellness

This course is designed to introduce students to the basic concepts of kinesiology. Students will gain an understanding of body mechanics, physiological functions of muscles and movements, the history of kinesiology, and the psychological impact of sports and athletic performance. Students will also explore careers within the kinesiology field and be able to explain the societal demand for kinesiology-related jobs. Students will develop a foundation in Kinesiology I that will prepare them for upper-level courses that will dive deeper into the anatomical and physiological functions of the body and provide opportunities for an industry-certified exam such as a certified personal trainer.

Required Fee/Materials: No
Industry Certification: None

KINESIOLOGY II

KISD Code: 928818 **PEIMS:** N1302124
Grade: 11-12 **1 Credit**
Grade Points: 5.0

Prerequisite: Kinesiology I

The Kinesiology II course is designed to provide students an advanced level of knowledge, skills, and understanding of body composition and the effect on health, nutritional needs of physically active individuals, qualitative biomechanics, application of therapeutic modalities, appropriate rehabilitation services, and aerobic training intensity programs. The course is designed to allow students to advance their understanding of professional standards, employability skills, and ethical and legal standards. Throughout this course, students explore the healthcare/exercise business model and gain an understanding of therapeutic sports psychology. Students develop proper aerobic fitness programs and rehabilitation programs.

Required Fee/Materials: No
Industry Certification: None

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ANATOMY & PHYSIOLOGY

KISD Code: 927118

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use scientific methods during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: Yes; \$35 Lab

Industry Certification: None

ANATOMY & PHYSIOLOGY DUAL CREDIT

KISD Code: 9271DC18

PEIMS: 13020600

Grade: 10 - 12

1 Credit

Grade Points: 6.0

Prerequisite: Biology I and Chemistry I

Recommended Prerequisite: Principles of Health Science and Medical Terminology

You will conduct laboratory investigations/fieldwork, use the engineering design process during investigations, and make informed decisions using critical thinking and problem solving. Topics will be presented through an integration of biology, chemistry, and physics. You will study the structures and functions of the human body and body systems and will investigate the body's responses to forces, maintenance of homeostasis, electrical interactions, transport systems, and energy systems. You will also analyze the relationship between anatomical structures and physiological functions of the human systems. This course is also listed in the Science Section of the Guidance Handbook. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: Yes; \$35 Lab

Industry Certification: None

Note: Dual Credit Correlation: BIOL 2401

Exercise Science & Wellness Capstone

KISD Code: 928918

PEIMS:

Grade: 12

1 Credit

Grade Points: 5

Prerequisite: Kinesiology II

The capstone course offers students in the Exercise Science and Wellness program an opportunity to gain practical experience as it relates to each student's educational and career goals. Emphasis will be placed on professionalism, employment strategies, career options, and current issues in the health and fitness field. At the completion of the course the student prepares a professional portfolio and sits for the Certified Personal Trainer certification exam.

Required Fee/Materials: No

Industry Certification: Certified Personal Trainer

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





Cosmetology Program

PUBLIC SERVICE ENDORSEMENT



COSMETOLOGY I /LAB

KISD Code: 962618 PEIMS: 13025210
Grade: 11 3 Credit

Grade Points: 5.0

Prerequisite: Approval Process

Students will participate in a two-year program designed to teach the profession of beauty culture. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Occupational opportunities are hairstylist, platform artist, wig stylist, manicurist, makeup artist, manager of a beauty supply firm or beauty salon, owner of beauty salon, and color technician. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$350/\$350/\$26

Industry Certification: None

Note: Approval Process: Yes

COSMETOLOGY II/LAB

KISD Code: 962418 PEIMS: 13025310
Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Successful completion of Cosmetology I and a minimum of 450 hours

Students who have completed Cosmetology I and the required 425 hours you are eligible to participate in the second year of the Cosmetology program. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. Cosmetology II students are required to enroll in an 8th period. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Once the required hours are met, TDLR requires a written exam fee. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for all exam fees. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$350/\$350/\$131

Industry Certification: Texas Cosmetology Operator

Note: Students are required to enroll in an 8th period class.

COSMETOLOGY CAREERS

KISD Code: 965418 PEIMS: N1302540
Grade: 12 2 Credit

Grade Points: 5.0

Prerequisite: Successful completion of Cosmetology I and a minimum of 450 hours

If you have completed Cosmetology I and the required 425 hours you are eligible to participate in the second year of the Cosmetology program. One class period is devoted to classroom work for the study of cosmetology theory. Two class periods each day are devoted to practice in the laboratory to increase each student's manipulative skills. Cosmetology II students are required to enroll in an 8th period. After two years the students should have fulfilled the 1000-hour requirement to take the Texas Department of Licensing and Regulation (TDLR) examination to become a licensed hairstylist. Once the required hours are met, TDLR requires a written exam fee. The written exam must be passed before applying for the practical exam. Students eligible for the exam are responsible for all exam fees. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: Texas Cosmetology Operator

Note: Students are required to enroll in an 8th period class.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





RECOMMENDED		REQUIRED		
Pre Level 1	Level 1	Level 2	Level 3	Level 4
Principles of Human Services Gr 7-9 Course ID: 933118	Lifetime Nutrition & Wellness SEMESTER ONLY Gr 9-12 Course ID: 934818	Human Growth & Development Gr 10-11 Course ID: 932818	Family & Community Services Gr 11-12 Course ID: 932618	Practicum in Family & Community Gr 12 Course ID: 932718
-OR-	-AND-	-OR-		
Professional Communications SEMESTER ONLY Gr 7-12 Course ID: 970018	Interpersonal Studies SEMESTER ONLY Gr 9-12 Course ID: 933018	Child Development Gr 10-11 Course ID: 933518		

PRINCIPLES OF HUMAN SERVICES

KISD Code: 933118 **PEIMS:** 13024200
Grade: 7 - 9 **1 Credit**
Grade Points: 5.0
Prerequisite: None
 You will gain the knowledge and skills related to personal human development. The course will enable you to investigate careers in the human services career cluster, including early childhood development, family and community, mental health and personal care services. Content includes decision making, positive relationships, child development, nutrition and food production, finance, and personal grooming as it relates to personal and professional settings. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.
Required Fee/Materials: \$20/\$20
Industry Certification: None

PROFESSIONAL COMMUNICATIONS

KISD #: 9700j18/ 9700 **PEIMS:** 13009900
Grades: 7-12 **0.5 Credit**
Prerequisite: None
 This is an activity-based career development course in which students will develop an understanding of professional communications through exploration of the career clusters. In this class, you will explore a variety of career options and activities including formal and informal presentations, resume writing, and job interviewing. You will exhibit public relations skills, leadership characteristics, knowledge of the global economy, and information technology applications.
Required Fee/Materials: No

LIFETIME NUTRITION & WELLNESS

KISD Code: 934818 **PEIMS:** 13024500
Grade: 9 - 12
Grade Points: 5.0 0.5 Credit
Prerequisite: None
 You will gain knowledge of the roles of nutrients in the body and develop an understanding of lifetime wellness and nutrition principles. You are encouraged to apply these principles in making educated choices that promote lifelong wellness. You will demonstrate knowledge of nutrition and effective work habits such as cooperation, responsibility, time management and problem solving in the food laboratory and classroom. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.
Required Fee/Materials: \$25
Industry Certification: None



INTERPERSONAL STUDIES

KISD Code: 933018 PEIMS: 13024400

Grade: 9 - 12 0.5 Credit

Grade Points: 5.0

Prerequisite: None

You will gain knowledge of how relationships between individuals and among family members affect the quality of life. The areas of study include personal development, decision making, components of a healthy relationship, communication skills and conflict resolution, mate selection, the role of family members, responsible parenting, and crisis management. Interpersonal Studies includes the study of careers in counseling and mental health services.

Required Fee/Materials: No

Industry Certification: None

HUMAN GROWTH & DEVELOPMENT

KISD Code: 932818 PEIMS: 13014300

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

Human Growth and Development is an examination of human development across the lifespan with emphasis on research, theoretical perspectives, and common physical, cognitive, emotional, and social developmental milestones. The course covers material that is generally taught in a postsecondary, one-semester introductory course in developmental psychology or human development.

Required Fee/Materials: No

Industry Certification: None

CHILD DEVELOPMENT

KISD Code: 933518

Grade: 10 - 11 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13024700

You will gain knowledge and skills related to prenatal development, care, guidance, and protection of children. Instruction addresses the principles and procedures for promoting the physical, emotional, social, and intellectual development of young children, including those with special needs. Other topics include family management, characteristics of quality childcare, and career options related to the care and education of children.

Required Fee/Materials: No

Industry Certification: None

FAMILY & COMMUNITY SERVICES

KISD Code: 932618 PEIMS: 13024900

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Human Growth & Development *OR Child Development for Classes of 2023 & 2024

Family and Community Services is a laboratory-based course designed to involve you in realistic and meaningful community-based activities through direct service or service learning experiences. You are provided opportunities to interact with and provide services to individuals, families, and the community through community or volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics.

Required Fee/Materials: \$25

Industry Certification: None

PRACTICUM IN FAMILY & COMMUNITY SERVICES

KISD Code: 932718 PEIMS: 13025000

Grade: 12 2 Credit

Grade Points: 5.5

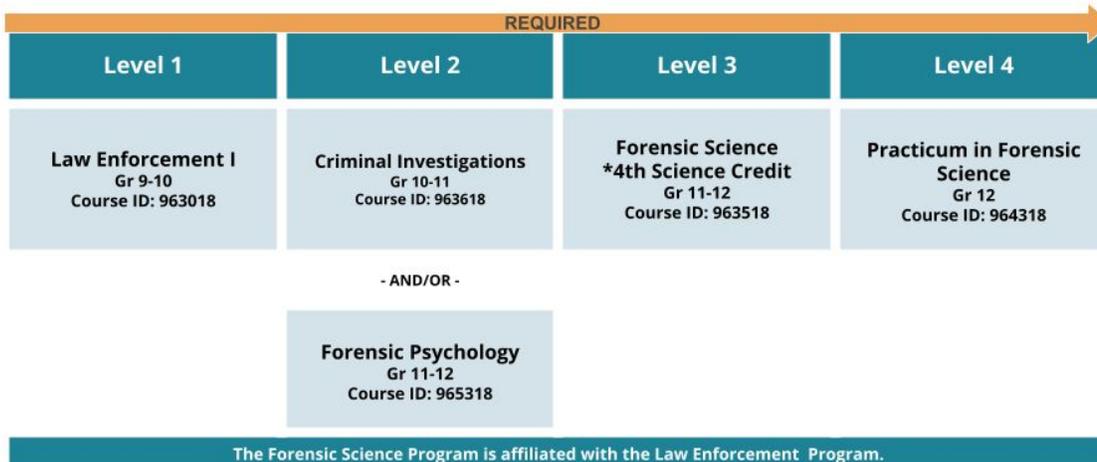
Prerequisite: Family and Community Services

Practicum in Family and Community Services provides background knowledge and occupation-specific training that focuses on the development of consumer services, early childhood development and services, counseling and mental health services, as well as family and community-services careers.

Required Fee/Materials: \$30

Industry Certification: None





LAW ENFORCEMENT I

KISD Code: 963018 **PEIMS:** 13029300
Grade: 9 - 10 **1 Credit**
Grade: 11
Grade Points: 5.0
Prerequisite:None

You will develop an introductory knowledge of the history, organization, and functions of local, state, and federal law enforcement. You will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime

Required Fee/Materials: No
Industry Certification: None

CRIMINAL INVESTIGATIONS

KISD Code: 963618 **PEIMS:** 13029550
Grade: 10 - 11 **1 Credit**
Grade: 12
Grade Points: 5.0
Prerequisite: Law Enforcement I

You will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

Required Fee/Materials: No
Industry Certification:None

FORENSIC PSYCHOLOGY

KISD Code: 965318 **PEIMS:** N1303012
Grade: 11 - 12 **1 Credit**
Grade Points: 5.0
Prerequisite:Law Enforcement I

The course involves understanding criminal law in the relevant jurisdictions to be able to interact within the criminal justice system.You will understand and apply basic skills developed in psychology and criminal scenarios resulting in a structured and scientific approach to investigative analysis; thereby, enabling police and law enforcement officials to predict criminal activity via scientific analysis rather than intuition. You will learn basic structured psychological investigative techniques in question building, interviewing, criminal behavior characteristics, truth detection methodology, research methods, statistical analysis and probability forecasting.

Required Fee/Materials: No
Industry Certification: None



FORENSIC SCIENCE

KISD Code: 963518

PEIMS: 13029500

Grade: 11 - 12

1 Credit

Grade Points: 5.5

Prerequisite: Law Enforcement I, Criminal Investigations or Forensic Psychology, and Biology I and Chemistry I

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: No

Industry Certification: None

Note:

4th Science Credit Option

PRACTICUM IN FORENSIC SCIENCE

KISD Code: 964318

PEIMS: 13030100

Grade: 12

2 Credit

Grade Points: 6.0

Prerequisite: Forensic Science

You will apply science to connect a violation of law to a specific criminal, criminal act, or behavior and victim. You will learn terminology and procedures related to the search and examination of physical evidence in criminal cases as they are performed in a typical crime laboratory. Using scientific methods, you will collect and analyze evidence such as fingerprints, bodily fluids, hairs, fibers, paint, glass, and cartridge cases. You will also learn the history and the legal aspects as they relate to each discipline of forensic science. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$40

Industry Certification: None

Note:

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Law Enforcement Program

PUBLIC SERVICE ENDORSEMENT



- Table of Contents
- Graduation Plan
- Special Programs
- Core Courses
- STEM
- Business & Industry
- Public Service
- Arts & Humanities
- Multi-Disciplinary
- Advanced Academics
- College programs
- Course Fees
- Index

LAW ENFORCEMENT I

KISD Code: 963018 PEIMS: 13029300
 Grade: 9 - 10 1 Credit
 Grade: 11
 Grade Points: 5.0
 Prerequisite: None

You will develop an introductory knowledge of the history, organization, and functions of local, state, and federal law enforcement. You will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime

Required Fee/Materials: No
 Industry Certification: None

FEDERAL LAW ENFORCEMENT & PROTECTIVE SERVICES

KISD Code: 963718 PEIMS: 13029800
 Grade: 10 - 11 1 Credit
 Grade Points: 5.0
 Prerequisite: Law Enforcement I

You will gain knowledge of security elements and types of organizations with a focus on security measures used to protect lives, property, and proprietary information, to ensure computer security, to provide information assurance, and to prevent cybercrime.

Required Fee/Materials: No
 Industry Certification: None

CRIMINAL INVESTIGATIONS

KISD Code: 963618 PEIMS: 13029550
 Grade: 10 - 11 1 Credit
 Grade: 12
 Grade Points: 5.0
 Prerequisite: Law Enforcement I

You will learn terminology and investigative procedures related to criminal investigation, crime scene processing, evidence collection, fingerprinting, and courtroom presentation.

Required Fee/Materials: No
 Industry Certification: None

LAW ENFORCEMENT II

KISD Code: 963118 PEIMS: 13029400
 Grade: 11 - 12 1 Credit
 Grade: 12
 Grade Points: 5.0

Prerequisite: Federal Law & Protective Services or Criminal Investigations

You will gain knowledge and skills necessary to prepare for a career in law enforcement. You will understand ethical and legal responsibilities, patrol procedures, first responder roles, telecommunications, emergency equipment operations, and courtroom testimony.

Required Fee/Materials: No
 Industry Certification: None



CORRECTIONAL SERVICES

KISD Code: 963318 PEIMS: 13029700

Grade: 11 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Law Enforcement I

You will gain knowledge and skills necessary to prepare for a career as a municipal, county, state, or federal correctional officer. You will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. You will analyze rehabilitation and alternatives to institutionalization for inmates.

Required Fee/Materials: No

Industry Certification: None

CORRECTIONAL SERVICES DUAL CREDIT

KISD Code: 9633DC18 PEIMS: 13029700

Grade: 11 - 12 1 Credit

Grade Points: 6.0

Prerequisite: Federal Law & Protective Services or Criminal Investigations

You will gain knowledge and skills necessary to prepare for a career as a municipal, county, state, or federal correctional officer. You will learn the role and responsibilities of a county or municipal correctional officer; discuss relevant rules, regulations, and laws of municipal, county, state, or federal facilities; and discuss defensive tactics, restraint techniques, and first aid procedures as used in the municipal, county, state, or federal correctional setting. You will analyze rehabilitation and alternatives to institutionalization for inmates. **Students enrolled in this course are expected to purchase the required textbook.**

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN LAW ENFORCEMENT

KISD Code: 962918 PEIMS: 13030100

Grade: 12 2 Credit

Grade Points: 5.5

Prerequisite: Law Enforcement I and 1 Upper

Level Criminal Justice Course

This course is taught in conjunction with the support of the Klein ISD Police Department at the district police facility. Students in this course will have opportunities to participate in simulated situations such as tactical force training, building search, felony and basic traffic stops, fingerprinting, evidence handling and basic patrol procedures. The Practicum in Law class assists the Klein Police Department with events such as football games and large meetings for crowd control. Field experiences may include Harris County Criminal Courts, Texas DPS Headquarters, TDCJ prison system, Homeland security and Houston Police Division. Students will be required to pass a criminal background check, complete confidentiality waiver forms and provide tactical boots to be worn with the issued uniform.

This course occurs on limited campuses. There may be additional student opportunities based on available openings.

Required Fee/Materials: \$35

Industry Certification: Non-Commissioned Security Officer Level 2

Note:

Classes will meet at the Klein ISD Police Department, student transportation is needed.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED			
Level 1	Level 2	Level 3	Level 4
<p>Law Enforcement I Gr 9-10 Course ID: 963018</p>	<p>Court Systems & Practices -OR- Court Systems & Practices Dual Credit Gr 10-11 Course ID: 963418/9634DC18</p>	<p>Advanced Legal Skills & Professions Gr 11-12 Course ID: 960918</p>	<p>Practicum in Legal Studies Gr 12 Course ID: 964818</p>
<p>Business Law -OR- Business Law Dual Credit (Gr 10-12) may be taken with this Program. (Refer to the Business Management Program.)</p>			

LAW ENFORCEMENT I

KISD Code: 963018 PEIMS: 13029300
 Grade: 9 - 10 1 Credit
 Grade: 11
 Grade Points: 5.0
 Prerequisite: None

You will develop an introductory knowledge of the history, organization, and functions of local, state, and federal law enforcement. You will understand the role of constitutional law at local, state, and federal levels; the U.S. legal system; criminal law; and law enforcement terminology and the classification and elements of crime

Required Fee/Materials: No
 Industry Certification: None

COURT SYSTEMS & PRACTICES

KISD Code: 963418 PEIMS: 13029600
 Grade: 10 - 11 1 Credit
 Grade: 12
 Grade Points: 5.0
 Prerequisite: Law Enforcement I

You will develop an introductory knowledge of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Required Fee/Materials: No
 Industry Certification: None

COURT SYSTEMS & PRACTICES DUAL CREDIT

KISD Code: 9634DC18 PEIMS: 13029600
 Grade: 10 - 11 1 Credit
 Grade: 12
 Grade Points: 6.0
 Prerequisite: Law Enforcement I

You will develop an introductory knowledge of the federal and state court systems. The course identifies the roles of judicial officers and the trial processes from pretrial to sentencing and examines the types and rules of evidence. Emphasis is placed on constitutional laws for criminal procedures such as search and seizure, stop and frisk, and interrogation.

Students enrolled in this course are expected to purchase the required textbook.
 Required Fee/Materials: No
 Industry Certification: None



ADVANCED LEGAL SKILLS AND PROFESSIONS

KISD Code: 960918

PEIMS: N1303016

Grade: 11 - 12

1 Credit

Grade Points: 5.0

Prerequisite: Court Systems and Practices

Advanced Legal Skills and Professions provides students with a foundation to understand the basic mechanics of the U.S. legal system. Building on prior instruction in constitutional issues and the basics of American court systems, this course provides insight into the practical application of the law, as well as civil and criminal procedure, giving students a hands-on opportunity to experience a variety of legal professions.

Required Fee/Materials: No

Industry Certification: None

PRACTICUM IN LEGAL STUDIES

KISD Code: 964818

PEIMS: 13030100

Grade: 12

2 Credit

Grade Points: 5.5

Prerequisite: Advanced Legal Skills and Professions or Business Law and Court Systems ; Approval Process

This practicum course is designed to give you a supervised practical application of previously studied knowledge and skills in law, public safety, corrections, and security. You will be reviewing the occupations and educational opportunities related to representing clients in criminal and civil litigation and other legal proceedings.

Required Fee/Materials: No

Industry Certification: None

Note: Transportation needed

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index





REQUIRED

Level 1	Level 2	Level 3	Level 4
Space Force JROTC 1 Gr 9-12 Course ID: 1901 Klein High Only	Space Force JROTC 2 Gr 10-12 Course ID: 1902 Klein High Only	Space Force JROTC 3 Gr 11-12 Course ID: 1903 Klein High Only	Space Force JROTC 4 Gr 12 Course ID: 1904 Klein High Only
AFJROTC 1 Gr 9-12 Course ID: 1901 Klein Forest, Klein Oak, & Klein Collins Only	AFJROTC 2 Gr 10-12 Course ID: 1902 Klein Forest, Klein Oak, & Klein Collins Only	AFJROTC 3 Gr 11-12 Course ID: 1903 Klein Forest, Klein Oak, & Klein Collins Only	AFJROTC 4 Gr 12 Course ID: 1904 Klein Forest, Klein Oak, & Klein Collins Only
AJROTC 1 Gr 9-12 Course ID: 1901 Klein Cain Only	AJROTC 2 Gr 10-12 Course ID: 1902 Klein Cain Only	AJROTC 3 Gr 11-12 Course ID: 1903 Klein Cain Only	AJROTC 4 Gr 12 Course ID: 1904 Klein Cain Only

Space Force JROTC (Klein)

High)

The Space Force focuses on issues related to cyber security and keeping our satellites up and running out in space. It also focuses on monitoring the integrity of our cellphone communication, making sure that is not hacked.

Air Force JROTC

(Klein Forest, Klein Oak and Klein Collins)

The mission of Air Force Junior ROTC (AFJROTC) is to "develop citizens of character dedicated to serving their nation and community". The goal of the program is to instill in high school cadets the values of citizenship, service to the United States, personal responsibility, and a sense of accomplishment. The program educates and trains high school cadets in citizenship, promotes community service, instills responsibility, character, and self-discipline. AFJROTC is a four-year program for high school students. It is a balance of study that is 40% Aerospace Science, 40% Leadership Education, and 20% Wellness Education.

AFJROTC 1/SFJROTC 1

KISD #: 1901 PEIMS: PES00004
 Grades: 9-12 1.0 Credit
 Prerequisite: None

Aerospace Science 100: Milestones in Aviation History: This is an aviation course focusing on the development of flight throughout the centuries.

Leadership Education 100: Traditions, Wellness and Foundations of Citizenship: This course introduces cadets to the AFJROTC program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship.

Leadership Education 500: Drill and Ceremonies: This course provides an in-depth introduction to drill and ceremonies.

Wellness Education: This is an official and integral part of AFJROTC. It consists of two exercise programs focused upon individual baseline improvements with the goal of achieving a national standard as calculated by age and gender.

Required Fee/Materials: \$75

AFJROTC 2/SFJROTC 2

KISD #: 1902 PEIMS: 03160200
 Grades: 10-12 1.0 Credit
 Prerequisite: AFJROTC 1

Required Fee/Materials: \$75

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



AFJROTC 3/SFJROTC 3

KISD #: 1903

PEIMS: 03160300

Grades: 11-12

1.0 Credit

Prerequisite:

AFJROTC 2

Aerospace Science 200: The Science of Flight: A Gateway to New Horizons: This is a science course designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation.

Aerospace Science 220: Cultural Studies: An Introduction to Global Awareness: Introduces students to the world's cultures through the study of world affairs, regional studies, and cultural awareness.

Aerospace Science 300: Exploring Space: The High Frontier: Includes the latest information available in space science and space exploration. The course covers the human aspect of spaceflight, focusing on the human experience in space.

Leadership Education 200: Communication, Awareness, and Leadership: The course stresses communication skills, and cadet corps activities.

Leadership Education 300: Life Skills and Career Opportunities: The course prepares students for the diverse, high-tech, globally oriented workplace.

Leadership Education 500: Drill and Ceremonies: Note explanation in Course 1901.

Wellness Education: Note explanation in Course 1901. Legal system; criminal law; and law enforcement terminology and the classification and elements of crime.

Required Fee/Materials: \$75

AFJROTC 4/SFJROTC 4

KISD #: 1904

PEIMS: 03160400

Grades: 12

1.0 Credit

Prerequisite: AFJROTC 3

Aerospace Science 400: Management of the Cadet Corps: Cadets manage the entire corps during their 4th year in JROTC. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice.

Aerospace Science 410: Survival: Survive—Return: Instruction provides training in skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival. **Leadership Education 400: Principles of Management:** Provides exposure to the fundamentals of management.

Leadership Education 500: Drill and Ceremonies: Note explanation in Course 1901.

Wellness Education: Note explanation in Course 1901.

Optional - Aerospace Science 500: Aviation Honors Ground School Program: Material covered is an advanced, more in-depth study of previous aerospace topics. The course is the foundation for students interested in earning a private pilot's license.

Required Fee/Materials: \$75

Army JROTC

(Klein Cain)

The mission of Army Junior Reserve Officer Training Corps (AJROTC) is "To Motivate Young People to be Better Citizens". AJROTC prepares students for leadership roles while making them aware of their rights, responsibilities, and privileges as Americans. To accomplish this mission, the program of instruction provides education in citizenship, leadership, life success, geography, and wellness to help students succeed in high school and after graduation. The program promotes graduation from high school and provides instructional opportunities which benefit the student, community, and nation. The program produces successful students and productive adults, while offering a constructive and disciplined learning environment. AJROTC is an elective course offering leadership education and physical training to high school students through four academic years, 9th through 12th grade.

Wearing the JROTC uniform once a week is a requirement to participate in AJROTC. While in uniform, Cadets must meet the minimum appearance standards listed in the appropriate regulation, including haircut standards.

AJROTC I

KISD #: 1901

PEIMS: PES00004

Grades: 9-12

1.0 Credit

Prerequisite:

None

Study leadership theory and application, foundation for success, communication/study skills, citizenship, military customs and courtesies, physical training, drill, map reading, and the history and objective of JROTC. Can be used to satisfy PE requirement.

Required Fee/Materials: \$75

AJROTC II

KISD #: 1902

PEIMS: 03160200

Grades: 10-12

1.0 Credit

Prerequisite:

AJROTC I

Campus:

Klein Cain HS

Study of wellness, fitness and first aid, drug awareness, ethical values, and principles of good citizenship in American history and Government. Demonstrate knowledge of drill, map reading and physical training, with emphasis on methods of instruction.

Required Fee/Materials: \$75



AJROTC III

KISD #: 1903

Grades: 11-12

Prerequisite:

Campus:

PEIMS: 03160300

1.0 Credit

AJROTC II

Klein Cain HS

Study of leadership strategies, foundation of success, managing conflict, career planning, financial planning, citizenship in American history and government with continued practical work in leadership, drill, technology awareness, and methods of instruction, map reading and physical training.

Required Fee/Materials: \$75

AJROTC IV

KISD #: 1904

Grades: 12

Prerequisite:

Campus:

PEIMS: 03160400

1.0 Credit

AJROTC III

Klein Cain HS

Demonstrate leadership potential as a role model, coach, counselor, management skill and assistant instructor. Study service to the Nation and financial planning, with continued practical work in drill, technology awareness, physical training and command and staff principles.

Required Fee/Materials: \$75

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Other CTE Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

FINANCIAL MATHEMATICS

KISD Code: 919018

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: Algebra 1

PEIMS: 13018000

You will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors. You will use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution, and evaluating the problem-solving process and the reasonableness of the solution.

Required Fee/Materials: No

Industry Certification: None

FOOD TECHNOLOGY & SAFETY

KISD Code: 906718

Grade: 10 - 12 1 Credit

Grade Points: 5.0

Prerequisite: None

PEIMS: 13001300

Through this course you will examine world food production, governmental regulations regarding foods, and food safety. Methods of processing, preparing, and packaging of foods; exploration of career opportunities, and leadership development are also a vital part of this course. You will also have the opportunity to participate in extended learning experiences by joining the National FFA Organization. Students will be required to take and pass, with 100%, a mandatory safety exam within the first two weeks of school to remain in the course.

Required Fee/Materials: \$75

Industry Certification: ServSafe Handler (Not CCMR Eligible)



Arts & Humanities Endorsement

<u>Visual Art</u>	<u>145</u>
<u>Theatre Arts</u>	<u>150</u>
<u>Music</u>	<u>154</u>
<u>Dance</u>	<u>157</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Visual Art

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

ART 1

KISD #: 3100

Grades: 9-12

1 Credit

Prerequisite:

None

Art 1 is a foundation course for the novice or for students with some experience. Students will have the opportunity to develop their own artistic style by creating original artworks in drawing, painting, printmaking, sculpture, and mixed media with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - DRAWING

KISD #: 3104

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Drawing is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to experience a variety of drawing media such as pencil, pen, ink, charcoal, and pastels while further developing the student's individual style with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 – DIGITAL ART & MEDIA

KISD #: 3109

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Students explore innovative methods and means of creating original, electronically generated artwork using digital and other new contemporary media tools, while building upon traditional art concepts and processes. Students build a visual digital portfolio throughout the course. Careers in the field of digital media are introduced. A course fee is required.

ART 2 - PAINTING

KISD #: 3105

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Painting is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of painting techniques and processes while further developing the student's individual style with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - PHOTOGRAPHY

KISD #: 3106

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Photography is a foundation course that expands on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of photographic techniques and processes while further developing the student's individual style with an emphasis on studio production. Training in camera and equipment operation will be provided. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 2 - CERAMICS

KISD #: 3107

Grades: 9-12

1 Credit

Prerequisite:

Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Ceramics is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of ceramic techniques and processes while further developing the student's individual style. Techniques will include basic hand building and glazing with an emphasis on studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.



ART 2 - SCULPTURE

KISD #: 3108

Grades: 9-12

1 Credit

Prerequisite: Successful completion of Art I (High School or Intermediate School) or portfolio review

Art 2 - Sculpture is an intermediate course that builds on the skills and concepts explored in Art 1. Studio experiences in the classroom will give students opportunities to explore a variety of sculpture techniques and processes while further developing the student's individual style. Students will work from a variety of subject matter using both additive and subtractive sculptural methods with materials such as clay, wire, papier mache and found objects emphasizing studio production. Each student will demonstrate progress over time by developing a body of original artwork and organizing a portfolio. A course fee is required.

ART 3 LEVEL COURSES

Grades: 10-12

1 Credit

Prerequisite: Successful completion of a parallel Art 2 course

All Art 3 level courses are advanced and place a strong focus on technique, personal voice, and creativity. Students are directed to work on independent projects. These courses will emphasize students creating original artwork for exhibition and/or portfolio purposes. A course fee is required.

Art 3 - Drawing (1 Unit) (3110)

Art 3 - Ceramics (1 Unit) (3113)

Art 3 - Painting (1 Unit) (3111)

***Art 3 - Photography (1 Unit) (3116)**

Art 3 - Sculpture (1 Unit) (3114)

Art 3 - Digital Art & Media (1 unit) (3117)

**In photography, students must supply their own camera, film and supplies.*

ART 4 LEVEL COURSES

Grades: 11-12

1 Credit

Prerequisite: Successful completion of a parallel Art 3 course

All Art 4 level courses are advanced and place a strong focus on technique, personal voice, and creativity. Students are directed to work on independent projects. These courses will emphasize students creating original artwork for exhibition and/or portfolio purposes. A course fee is required.

Art 4 - Drawing (1 Unit) (3121)

Art 4 - Painting (1 Unit) (3122)

Art 4 - Ceramics (1 Unit) (3124)

***Art 4 - Photography (1 Unit) (3127)**

Art 4 - Sculpture (1 Unit) (3125)

Art 4 - Digital Art & Media (1 unit) (3128)

**In photography, students must supply their own camera, film and supplies.*

Any Art Level 4 course receives advanced grade points.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT® 2-D ART AND DESIGN

KISD #: 3132

Grades: 11-12

1 Credit

Prerequisite:

Successful completion of any 2D Art 3 course and portfolio review or Teacher Approval

In AP® 2-D Art and Design students develop skills through materials and processes such as digital art, photography, printmaking, mixed media and others. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

ADVANCED PLACEMENT® 3-D ART AND DESIGN

KISD #: 3134

Grades: 11-12

1 Credit

Prerequisite:

Successful completion of any 2D Art 3 course and portfolio review or Teacher Approval

AP® 3-D Art and Design is an introductory college-level two-dimensional design course. Students develop 3-D skills in materials and processes, such as sculpture, metal work, ceramics, glass work, and others. You'll create artwork that reflects your own ideas and skills and what you've learned. At the end of the course you'll submit a portfolio that demonstrates your knowledge of art skills using three-dimensional materials. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

ADVANCED PLACEMENT® DRAWING

KISD #: 3131

Grades: 11-12

1 Credit

Prerequisite:

Successful completion of Drawing 3 course and portfolio review or Teacher Approval

AP® Drawing is an introductory college-level drawing course. Students refine and apply drawing skills to ideas they develop throughout the course. In this course students experiment with a variety of materials and processes as they develop their drawing skills. At the end of the course you'll submit a portfolio that demonstrates the different drawing abilities taught in the course, which include mark-making created with the elements of art in mind, flat surface exploration, and composition awareness. **Students must submit the portfolio for evaluation to the AP® program to attain college credit.**

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



2-D Design Portfolio		
<p>Section I: QUALITY (Selected Works)</p> <p>One-third of total score</p> <p>5 actual works.</p> <p>Works demonstrating an understanding of two-dimensional design in concept, composition, and execution.</p>	<p>Section II: CONCENTRATION (Sustained Investigation)</p> <p>One-third of total score</p> <p>12 digital images; some may be details.</p> <p>Works describing an in-depth exploration of a particular 2-D design concern.</p>	<p>Section III: BREADTH (Range of Approaches)</p> <p>One-third of total score</p> <p>12 digital images; 1 image each of 12 different works.</p> <p>A variety of works demonstrating understanding of 2-D design issues.</p>
Drawing Portfolio		
<p>Section I: QUALITY (Selected Works)</p> <p>One-third of total score</p> <p>5 actual works.</p> <p>Works demonstrating understanding of drawing in concept, composition, and execution.</p>	<p>Section II: CONCENTRATION (Sustained Investigation)</p> <p>One-third of total score</p> <p>12 digital images; some may be details.</p> <p>Works describing an in-depth exploration of a particular drawing concern.</p>	<p>Section III: BREADTH (Range of Approaches)</p> <p>One-third of total score</p> <p>12 digital images; 1 image each of 12 different works.</p> <p>A variety of works demonstrating understanding of drawing issues.</p>
3-D Design Portfolio		
<p>Section I: QUALITY (Selected Works)</p> <p>One-third of total score</p> <p>10 digital images, consisting of 2 views each of 5 works.</p> <p>Works demonstrating an understanding of three-dimensional design in concept, composition, and execution.</p>	<p>Section II: CONCENTRATION (Sustained Investigation)</p> <p>One-third of total score</p> <p>12 digital images; some may be details or second views.</p> <p>Works describing an in-depth exploration of a particular 3-D design concern.</p>	<p>Section III: BREADTH (Range of Approaches)</p> <p>One-third of total score</p> <p>16 digital images; 2 views each of 8 different works.</p> <p>A variety of works demonstrating understanding of 3-D design issues.</p>

INTERNATIONAL BACCALAUREATE® VISUAL ARTS Standard Level (Klein Oak HS Only)

KISD #: 3466

Grades: 11 1 Credit

Prerequisite: Art 1

This course serves as year 1 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. Students will be exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. These courses are designed for students who want to go on to further study of visual arts in higher education, as well as for those who are seeking lifelong enrichment through visual arts. ***Students are responsible for the cost of materials used in products they take home.***

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® VISUAL ARTS Higher Level (Klein Oak HS Only)

KISD #: 3465

Grades: 12 1 Credit

Prerequisite: IB Visual Arts SL

This course serves as year 2 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts HL course builds upon the skills developed in SL. The course encourages students to challenge their own creative and cultural expectations and boundaries. In lieu of a traditional exam, this course culminates through the completion of an exhibition curating 8-11 artworks, a process portfolio of experimentation, exploration, and refinement of a variety of art-making activities, and a comparative study analyzing the influences of artists and the ways in which art influences. ***Students are responsible for the cost of materials used in products they take home.***

Advanced Grade Points: Yes

ADVANCED PLACEMENT® ART HISTORY

KISD #: 3136P

Grades: 11-12 1 Credit

Prerequisite: None

The AP® Art History course welcomes students into the global art world to engage with its forms and content as they research, discuss, read, and write about art, artists, art making, and responses to and interpretations of art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the students develop in-depth, holistic understanding of the history of art from a global perspective. Students learn and apply skills of visual, contextual, and comparative analysis to engage with a variety of art forms, developing understanding of individual works and interconnections across history. ***Students enrolled in this course must take the AP® exam to earn college credit.***



Theatre Arts

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

THEATRE ARTS 1

KISD #: 3299

Grades: 9-12 1 Credit

Prerequisite: None

theatre Arts 1 is a foundation course, which provides a general introduction and exploration of theatre as a performing art. Students explore plays from the perspectives of actors and directors, and examine the strategies of playwrights to develop the ability to imagine the play in performance and to appreciate the range of theatre possibilities.

The course focuses on the expressive use of the body and voice, acting concepts and skills, theatre production concepts and skills, and aesthetic growth through appreciation of theatrical events. Students explore relaxation and preparatory techniques, pantomime, stage movement, voice and diction, improvisation, dramatic structure, analysis and interpretation of scripts and characters, interdependence of all theatrical elements, technical theatre, appreciation of theatre, audience etiquette, and the analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE ARTS 2

KISD #: 3300

Grades: 9-12 1 Credit

Prerequisite: Successful completion of the previous level of theatre Arts or theatre Production

theatre Arts 2 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the theatre Arts 1 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE ARTS 3

KISD #: 3301

Grades: 9-12 1 Credit

Prerequisite: Successful completion of the previous level of theatre Arts or theatre Production

theatre Arts 3 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the theatre Arts 2 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

THEATRE ARTS 4

KISD #: 3302

Grades: 9-12 1 Credit

Prerequisite: Successful completion of the previous level of theatre Arts or theatre Production

theatre Arts 4 focuses on an increasingly deeper understanding of theatre concepts and acting skills introduced in the theatre Arts 3 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. A course fee is required. **Any theatre Level 4 course receives advanced grade points.**

TECHNICAL THEATRE 1

KISD #: 3303

Grades: 9-12 1 Credit

Prerequisite: None

Technical theatre 1 is a foundation course which provides a general introduction and exploration of structural facets of theatre arts. The course includes development of stagecraft skills; practice with theatre safety techniques; exploration of scenery, properties, lighting, costumes, makeup, sound, and technical theatre research and design; exploration of public relations; and, the recognition of career opportunities in technical theatre. A course fee is required.



TECHNICAL THEATRE 2

KISD #: 3304

Grades: 9-12

1 Credit

Prerequisite: Successful completion of the previous level of technical theatre or screenplay

Technical theatre 2 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical theatre 1 course. The course encompasses development of stagecraft skills beyond the basic level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

TECHNICAL THEATRE 3

KISD #: 3305

Grades: 9-12

1 Credit

Prerequisite: Successful completion of the previous level of technical theatre or screenplay

Technical theatre 3 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical theatre 2 course. The course encompasses development of stagecraft skills beyond the previous level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication, greater depth of technical theatre research. A course fee is required.

TECHNICAL THEATRE 4

KISD #: 3306

Grades: 9-12

1 Credit

Prerequisite: Successful completion of the previous level of technical theatre or screenplay

Technical theatre 4 focuses on an increasingly deeper understanding of the practical application of theatre concepts and skills introduced in the Technical theatre 3 course. The course encompasses development of stagecraft skills beyond the previous level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required.

Any theatre Level 4 course receives advanced grade points.

TECHNICAL THEATRE 1(S)

KISD #: 3311

Grades: 9-12

1 Credit

Prerequisite: Audition (acting) or Technical Portfolio Review (or exam)

Technical theatre 1 (S) is a foundation course similar to Technical theatre I while exploring the material in greater depth through student participation in preparation and presentation of campus productions after school. The course includes development of stagecraft skills; practice with theatre safety techniques; exploration of scenery, properties, lighting, costumes, makeup, sound, and technical theatre research and design; exploration of public relations; and, the recognition of career opportunities in technical theatre. A course fee is required.

TECHNICAL THEATRE 2(S)

KISD #: 3312

Grades: 9-12

1 Credit

Prerequisite: Audition (acting) or Technical Portfolio Review (or exam)

Technical theatre 2(S) focuses on an increasingly deeper understanding of the practical application of acting and theatre concepts and skills introduced in the Technical theatre 1(S) course. The course encompasses development of stagecraft skills beyond the basic level including exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; active design of public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information and performance techniques. A course fee is required.

Technical Theatre 3(S)

KISD #: 3313

Grades: 9-12

1 Credit

Prerequisite: Audition (acting) or Technical Portfolio Review (or exam)

Stagecraft focuses on an increasingly deeper understanding of the practical application of acting and theatre concepts and skills introduced in the Technical theatre 1 course. The course includes development of stagecraft skills beyond the previous level through exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information and performance techniques. A course fee is required.



Technical Theatre 4(S)

KISD #: 3314

Grades: 9-12

Prerequisite:

1 Credit

Successful completion of the previous level of technical theatre or scenography and technical portfolio review

Technical Theatre 4(S) focuses on an increasingly deeper understanding of the practical application of acting and theatre concepts and skills introduced in the Technical theatre 1 course. The course includes development of stagecraft skills beyond the previous level through exploration of scenery, properties, lighting, costumes, makeup, and sound with increasing levels of technical mastery and sophistication; greater depth of technical theatre research and design; public relations designs in traditional and digital media; and, the recognition of career opportunities in technical theatre. A course fee is required. The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information and performance techniques. A course fee is required.

Any Theatre 4 Level course receives advanced grade points.

THEATRE MANAGEMENT 3

KISD #: 3315

Grades: 11-12

Prerequisite:

1 Credit

Successful completion of theatre 1 and 2

Theatre Management focuses on increasing deeper understanding of the structure of a theatre as a business. The course encompasses stage management from set building to opening a production, publicity in the modern age, marketing, budgeting, and scheduling of theatrical productions. Additionally, students will gain a working knowledge of various theatre positions that are required to make a theatre company successful. A course fee is required.

ADVANCED THEATRE MANAGEMENT 4

KISD #: 3316

Grades: 12

Prerequisite:

1 Credit

Successful completion of theatre 1 and 2

Theatre Management focuses on increasing deeper understanding of the structure of a theatre as a business. The course encompasses stage management from set building to opening a production, publicity in the modern age, marketing, budgeting, and scheduling of theatrical productions. Additionally, students will gain a working knowledge of various theatre positions that are required to make a theatre company successful. A course fee is required.

THEATRE PRODUCTION 1

KISD #: 3307

Grades: 9-12

Prerequisite:

1 Credit

Audition (acting) or Technical Portfolio Review (or exam)

Theatre Production 1 is a foundation course similar to theatre Arts I while exploring the material in greater depth through student participation in preparation and presentation of campus productions after school. The course focuses on the expressive use of the body and voice, development of acting and theatre production concepts and skills, and appreciation of theatrical events. Students investigate relaxation and preparatory techniques, pantomime, stage movement, voice and diction, improvisation, dramatic structure, analysis and interpretation of scripts and characters, interdependence of all theatrical elements, technical theatre, appreciation of theatre, audience etiquette, and the analysis and evaluation of theatrical experiences. A course fee is required.

THEATRE PRODUCTION 2

KISD #: 3308

Grades: 9-12

Prerequisite:

1 Credit

Successful completion of theatre Production 1 and Audition or Technical Portfolio Review

theatre Production 2 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the theatre Production 1 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information, and performance techniques. A course fee is required.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



THEATRE PRODUCTION 3**KISD #: 3309****Grades: 9-12** **1 Credit****Prerequisite:** **Successful completion of theatre Production 2 and Audition or Technical Portfolio Review**

theatre Production 3 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the theatre Production 2 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences.

The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information, and performance techniques. A course fee is required.

THEATRE PRODUCTION 4**KISD #: 3310****Grades: 9-12** **1 Credit****Prerequisite:** **Successful completion of theatre Production 3 and Audition or Technical Portfolio Review**

theatre Production 4 focuses on an increasingly deeper understanding of the acting and theatre concepts and skills introduced in the theatre Production 3 course. The course includes utilization of advanced characterization, exploration of classical and contemporary production styles, investigation and recognition of theatre career opportunities, exploration of specialized theatrical styles, development of directing and playwriting techniques, attendance at live theatrical experiences, and analysis and evaluation of theatrical experiences. The after-school time dedicated to the preparation and public performances of student productions provides practical hands-on experiences in stagecraft and supplements the theatre courses that concentrate on theories, information, and performance techniques. A course fee is required.

Any theatre Level 4 course receives advanced grade points.

INTERNATIONAL BACCALAUREATE® THEATRE ARTS Standard Level (Klein Oak HS Only)**KISD #: 3462****Grades: 11** **1 Credit****Prerequisite:** **One-year theatre arts or theatre production in grades 9 or 10**

This course serves as year 1 of a 2 year course design; students will take Theatre Arts SL in grade 11. The IB® Diploma Programme Theatre Arts course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers. Students learn to apply research and theory to inform and to contextualize their work. Through researching, creating, preparing, presenting and critically reflecting on theatre, they gain a richer understanding of themselves, their community and the world. These courses are designed for students who want to further study theatre arts in higher education, as well as those who are seeking lifelong enrichment through visual arts.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS Higher Level (Klein Oak HS Only)**KISD #: 3463****Grades: 12** **1 Credit****Prerequisite:** **IB Theatre Arts SL**

This course serves as year 2 of a 2-year course design; students will take Theatre Arts HL in grade 12. The IB® Diploma Programme Theatre Arts HL course builds upon the skills developed in SL. Additionally, students experience the course from contrasting artistic and cultural perspectives. They learn about theatre from around the world, the importance of making theatre with integrity, and the impact that theatre can have on the world. It enables them to discover and engage with different forms of theatre across time, place and culture, promoting international-mindedness and an appreciation of the diversity of theatre. In lieu of a traditional exam, this course culminates through the completion of a research presentation of a world theatre tradition, a collaborative creation and performance of an original piece of theatre, and a solo theatre piece that demonstrates the practical application of a theatre theory to a theatre piece for an audition.

Advanced Grade Points: Yes

INTEGRATED THEATRE (Klein Cain HS Only)**KISD #:****Grades: 10-12** **1 Credit****Prerequisite:** **Teacher Approval**

This course is designed for students with disabilities and students who are interested in serving as tutors and advocates. In this course students will focus on communication strategies, working in groups, recognizing facial expressions, identifying emotions, and role playing. Students will explore both performance and technical elements of theatre.



Music

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

BAND 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school band is a musical organization for students of wind and percussion instruments. Klein offers multiple bands for students interested in instrumental music within the school day. Emphasis is placed on the development of cultural growth, critical listening, basic music theory, instrument technique, creative self-expression, mental and physical discipline, citizenship through group endeavors and physical conditioning. During football season the various concert bands meet after school to make up the marching band which performs at all varsity football games and selected contests. During concert season section rehearsals are scheduled after school one day a week to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Band placement is determined through auditions held in May, August, and at various times during the school year. Students must furnish their own marching shoes, personal instruments (flute, clarinet, alto saxophone, trumpet/cornet, trombone), and mouthpiece or drumsticks/mallets. For concert attire, girls must furnish dress shoes. Boys must furnish tux shirts, bow ties, and cummerbund. Band membership is required for participation in the wind or percussion section of the orchestra. All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3. A course fee is required.

COLOR GUARD 1-4

KISD # 3501, 3501L, 3502, 3502L, 3503, 3503L, 3504, 3504L

Grades: 9-12

1 Credit

Prerequisite:

Audition

In the Fall, the high school color guard serves as an auxiliary unit of the marching band consisting of flags and rifles. In the Spring, the color guard performs as a competitive unit for Winter Guard season. Emphasis is placed on physical conditioning, equipment handling and care, musical choreography and dance, creative self-expression through movement, the refinement of motor skills, and citizenship through group endeavors. Attendance at all rehearsals and performances is required. Color Guard is an approved PE substitute during the fall semester. All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3. A course fee is required.

ORCHESTRA 1-4

Grades: 9-12

1 Credit

Prerequisite:

Audition

The high school orchestra is a musical organization for students of stringed instruments (violin, viola, cello, string bass and harp). Klein offers multiple orchestras for students interested in instrumental music within the school day. A variety of musical settings from small chamber ensembles to full symphonic orchestral playing are experienced by the students. Emphasis is placed upon cultural growth, basic music theory, instrument techniques, music reading, evaluation of musical performance quality, and creative self-expression. The full orchestra rehearses outside the regular school day. The orchestra participates in concerts, contests, festivals, and often combines with the choir or band for special programs. Section rehearsals are scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. The district will furnish large string instruments for school use. Students must furnish violins and violas and large instruments for personal use. For concert attire, boys must furnish a tux/dress shirt and black shoes, girls must furnish dress shoes. A course fee is required. All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.

MARIACHI 1-4 (Klein Collins and Klein Oak Only)

KISD # 3551, 3552, 3553, 3554

Grades: 9-12

1 Credit

Prerequisite:

Audition

The mariachi ensemble is a musical organization for wind, string and vocal students. Emphasis is on the development of cultural growth, critical listening, basic music theory, instructional technique, and creative self-expression through performance. Additionally, students work on mental and physical discipline and citizenship through group endeavors. Students must furnish personal instruments for violin, flute, accordion, and trumpet. Guitarrons, vihuelas, harp, and guitars are provided. Membership in a large ensemble (band, choir, and orchestra) is required for participation in mariachi ensemble. Attendance at all rehearsals and performances is required. Students must furnish informal concert attire (camisolas, black slacks, belts, botines) which can be acquired at a vendor night prior to the start of the school year. Mariachi ensemble may not be offered every semester at every campus. A course fee is required. All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3.



CHORAL MUSIC 1-4**Grades:** 9-12 **1 Credit****Prerequisite:** **None**

The high school choir is designed for students interested in studying vocal music. It is an essential part of a balanced music curriculum and consists of vocal experiences in boys' choir, girls' choir, and mixed choir. Emphasis is placed on the development of proper vocal techniques, the study of choral techniques, basic music theory, sight-singing, music history and literature, creative self-expression, and vocal performance. Section rehearsals may be scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Choir placement for Choral Music 2-4 is determined through auditions held in May, August, and at various times during the school year. Students may be required to furnish some performance apparel. All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3. A course fee is required.

VOCAL ENSEMBLE 1-3**Grades:** 10-12 **1 Credit****Prerequisite:** **Audition**

Vocal Ensemble is a complementing course to the parent choral organization. Emphasis is placed on the expansion of singing experiences in a small vocal group, an opportunity to study a variety of styles and historical styles, and the study of ensemble techniques. Opportunities will be provided to perform ensemble music in class and in public. Section rehearsals may be scheduled after school to prepare for concerts and contests. Attendance at all rehearsals and performances is required. Students may need to furnish concert attire if different from the parent choral organization. A course fee is required.

JAZZ BAND 1-4**Grades:** 9-12 **1 Credit****Prerequisite:** **Audition and Approval by Band Director**

The high school jazz ensemble is a musical organization for students of wind, percussion and string instruments. Emphasis is on the development of cultural growth, critical listening, basic music theory, and instructional technique, creative self-expression through jazz improvisation, mental and physical discipline and citizenship through group endeavors. Students must furnish personal instruments, (alto saxophone, trumpet, trombone, guitar) and mouthpiece or drumsticks/mallets. Membership in a large ensemble (band, choir, and orchestra) is required for participation in jazz ensemble. Attendance at all rehearsals and performances is required. Students must furnish concert attire if different from the parent music ensemble. All level 4 Fine Arts classes receive advanced grade points (5.5) assuming student successfully completed levels 1-3. Jazz ensemble may not be offered every semester at every campus.

APPLIED MUSIC 1, 2 (INDIVIDUAL STUDY)**KISD # 3810, 3811****Grades:** 10-12 **1 Credit****Prerequisite:** **Meets District Guidelines**

Enrollment in Applied Music is open to qualifying students who wish to pursue independent study in music performance. Emphasis is placed on private study, study of solo literature, study of technical literature, and a performance examination. Concurrent Enrollment in Band, Orchestra, or Choir is required. Near the end of each semester, each student is required to prepare and publicly perform the following for an appointed board of examiners. (1) two selections from the Approved Music List for Applied Music by memory, and (2) technical studies and scales indicative of appropriate advancing technical preparation commensurate with the memorized musical selections performed. Additional information may be obtained from the high school music department chairperson.

Practicum for Music Education**Klein ISD# 3812****Grades:** 11-12 **1 Credit****Prerequisite:** **Concurrent in level 3 or 4 fine art**

Students enrolled in the music education practicum will gain knowledge, resources, and skills for administering a choral or instrumental music program (i.e., budget, legal issues, fundraising, trips and travel, scheduling, business management, time management, stress management, etc.). They will also gain knowledge and resources for assessing music students, advanced awareness of rehearsal strategies for ensembles and skills for inspiring creativity, self-expression, knowledge of music, and secondary instrument preparation.



ADVANCED PLACEMENT® MUSIC THEORY

Klein ISD# 3821

Grades: 11-12

1 Credit

Prerequisite:

No prerequisites

The Advanced Placement® Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight-singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized. **Students enrolled in this course must take the Advanced Placement® exam to earn college credit.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MUSIC Standard Level (Klein Oak HS Only)

KISD #: 3460

Grades: 11-12

2 Credits

Prerequisite:

One year of band, choir, orchestra or comparable private music instruction in grades 9 or 10

The Diploma Programme Music course has been designed to prepare the 21st century music student for a world in which global musical cultures and industries are rapidly changing. The course is grounded in the knowledge, skills and processes associated with the study of music and offers a strengthened approach to student creativity through practical, informed and purposeful explorations of diverse musical forms, practices and contexts. The course also ensures a holistic approach to learning, with the roles of performer, creator and researcher afforded equal importance in all course components. In lieu of a traditional exam, this course culminates through the completion of a portfolio of diverse musical material, the creation and performance of practical musical evidence, and a solo/ensemble performance.

Advanced Grade Points: Yes

DC MUSIC APPRECIATION (Klein Forest HS Only)

Grades: 11-12

.5 Credit

Prerequisite:

No prerequisites

Students enrolled in Dual Credit Music Appreciation will develop an understanding of music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. Upon completion, students will be able to: Identify musical works and elements in a variety of styles, analyze the elements and structures of music using appropriate terminology, critically evaluate the influence of social, political, technological, and/or cultural ideas on music, and articulate the significance of music as an art form within historical, cultural and social contexts.

Advanced Grade Points: Yes

Dual Credit Correlation: MUSI 1306



Dance

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

DANCE LEVEL 1 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3900

Grades: 9-12 1 Credit

Prerequisite: None

Principles of Dance I is an introductory course that provides the students with an exploration of the basic movement fundamentals: ballet, jazz, tap, world dance, modern and choreography. Students will be introduced to dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and dance history. In addition, students will have the opportunity to perform basic dance skills which will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level I is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 1 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3900PE

Grades: 9-12 1 Credit

Prerequisite: None

Principles of Dance I is an introductory course that provides the students with an exploration of the basic movement fundamentals: ballet, jazz, tap, world dance, modern and choreography. Students will be introduced to dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and dance history. In addition, students will have the opportunity to perform basic dance skills which will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level I is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE WELLNESS Level 1-4 FINE ART CREDIT

Klein ISD# 3941-3944

Grades: 9-12 1 Credit

Prerequisite: None

This course will provide athletes with fundamental skills and knowledge of dance as an art form and lifetime activity, with a specific emphasis on areas that will improve their athletic ability. Students will study various forms of dance such as ballet, jazz, hip hop, and social dance, as well as broader aspects of dance such as injury prevention, stretching, and building muscle tone. This course will help to increase flexibility, balance, explosiveness, and agility in athletes.

DANCE WELLNESS Level 1-4 PE CREDIT

KISD # 3941PE-3944PE

Grade Level: 9-12 1.0 PE credit

Prerequisite: None

This course will provide athletes with fundamental skills and knowledge of dance as an art form and lifetime activity, with a specific emphasis on areas that will improve their athletic ability. Students will study various forms of dance such as ballet, jazz, hip hop, and social dance, as well as broader aspects of dance such as injury prevention, stretching, and building muscle tone. This course will help to increase flexibility, balance, explosiveness, and agility in athletes.

DANCE LEVEL 2 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3901

Grades: 10-12 1 Credit

Prerequisite: None

Principles of Dance II is a continuation of Dance I with an expanding dance curriculum that builds on dance technique, movement vocabulary, various choreography skills, creative expression, musicality and historical applications. In addition, students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level II is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.



DANCE LEVEL 2 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3901PE

Grades: 10-12 **1 Credit****Prerequisite: None**

Principles of Dance II/PE is a continuation of Dance I with an expanding dance curriculum that builds on dance technique, movement vocabulary, various choreography skills, creative expression, musicality and historical applications. In addition, students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level II/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 3 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3902

Grades: 11-12 **1 Credit****Prerequisite: None**

Principles of Dance III provides a progressing curriculum with more complex movement vocabulary and technical skills. In addition, further development of choreographic elements, peer collaborations, and critical thinking with self-analysis will be integrated. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level III is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 3 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3902PE

Grades: 11-12 **1 Credit****Prerequisite: None**

Principles of Dance III provides a progressing curriculum with more complex movement vocabulary and technical skills. In addition, further development of choreographic elements, peer collaborations, and critical thinking with self-analysis will be integrated. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level III is a Fine Arts course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 4 “PRINCIPLES OF DANCE” FINE ARTS CREDIT

Klein ISD# 3903

Grades: 12 **1 Credit****Prerequisite: None**

Principles of Dance IV is a fast paced and technically challenging course that provides students with a continuing emphasis on all dance knowledge and skills: ballet, jazz, tap, world dance, modern, and choreography. Students will continue to develop dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and historical applications. In addition, students will have the opportunity to perform a variety of dance styles and techniques that will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 4 “PRINCIPLES OF DANCE” PE CREDIT

Klein ISD# 3903PE

Grades: 12 **1 Credit****Prerequisite: None**

Principles of Dance IV/PE is a fast paced and technically challenging course that provides students with a continuing emphasis on all dance knowledge and skills: ballet, jazz, tap, world dance, modern, and choreography. Students will continue to develop dance technique and kinesthetic awareness, movement vocabulary, choreography, creative expression, musicality, and historical applications. In addition, students will have the opportunity to perform a variety of dance styles and techniques that will increase their self-confidence, self-discipline, and dance appreciation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Level IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.



DANCE LEVEL 1-4 “DANCE COMPANY” FINE ARTS CREDIT

Klein ISD# 3900C, 3901C, 3902C, 3903C

Grades: 9-12 1 Credit

Prerequisite: None

Performance and Ensemble Dance I-IV is a performing company of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance company is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Company Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE LEVEL 1-4 “DANCE COMPANY” PE CREDIT

Klein ISD# 3900CPE, 3901CPE, 3902CPE, 3903CPE

Grades: 9-12 1 Credit

Prerequisite: None

Performance and Ensemble Dance I-IV/PE is a performing company of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance company is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Company Level I-IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

INTERNATIONAL BACCALAUREATE® DANCE Standard Level (Klein Oak HS Only)

Klein ISD# 3464/3464PE

Grades: 11 1 Credit

Prerequisite: None

This course serves as year 1 of a 2-year course design; students will take Dance SL in grade 11. The IB® Diploma Programme Dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. These courses are designed for students who want to further study the art of dance in higher education, as well as for those who are seeking lifelong enrichment through dance. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3464PE code.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® DANCE Higher Level (Klein Oak HS Only)

Klein ISD# 3469/3469PE

Grades: 12 1 Credit

Prerequisite: IB Dance SL

This course serves as year 2 of a 2-year course design; students will take Dance SL in grade 11 and Dance HL in grade 12. The IB® Diploma Programme Dance HL course builds upon the skills developed in SL. The course facilitates the development of an understanding of movement skills appropriate to the dancer's performance, clarity in relationship to space, time, dynamics, and movement qualities, and communicative expression in relation to other performers/the audience. In lieu of a traditional exam, this course culminates through the completion of dance works composed by the student and a formal written report which analyzes the similarities/differences between two dance styles drawn from different dance cultures and/or traditions. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3469PE code.

Advanced Grade Points: Yes



DANCE 1-4 “DANCE TEAM” FINE ARTS CREDIT

Klein ISD# 3900T,3901T, 3902T, 3903T

Grades: 9-12 1 Credit

Prerequisite: None

Dance Team I-IV is a performing team of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined precision dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance team is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities including football half-time shows. The team competes at multiple dance contests in the spring. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Team Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “DANCE TEAM” FINE ARTS CREDIT

Klein ISD# 3900T, 3901T, 3902T, 3903T

Grades: 9-12 1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite: Audition

Dance Team I-IV is a performing team of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined precision dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance team is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities including football half-time shows. The team competes at multiple dance contests in the spring. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Team Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “DANCE CREW” FINE ARTS CREDIT

Klein ISD# 3915,3916,3917,3918

Grades: 9-12 1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite: Audition, Successful completion of previous course level

Crew Dance I-IV is a performing group of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance crew is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Crew Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “Dance CREW” PE CREDIT

Klein ISD# 3915T,3916T,3917T,3918T

Grades: 9-12 1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite: Audition, Successful completion of previous course level

Crew Dance I-IV/PE is a performing group of the dance division where students are challenged in rigorous sessions of dance techniques that use their maximum movement range. Students will learn to use their body as an expressive instrument in the creation and performance of a variety of dance styles and techniques. The culminating activity of these courses incorporates the combined dance skills including choreography and costume/set design for individual and ensemble performances. Participation in the dance crew is a full year commitment that includes non-competitive performances at multiple venues within the district and local communities. Out of school rehearsals and performances are required. Students are expected to furnish a variety of dancewear and shoes for class as well as performances. A course fee is required.

Dance Crew Level I-IV/PE is a PE course. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE 1-4 “COMPOSITION AND IMPROVISATION” FINE ARTS CREDIT

Klein ISD# 3933,3934,3935,3936

Grades: 9-12

1 Credit – This course will satisfy the fine arts graduation requirement

Prerequisite:

Audition, Successful completion of previous course level

Composition/Improvisation Dance is a course designed for choreographic devices in solo, duet and ensemble movement studies; exploration of design principles; creating multiple movement studies using various elements of choreography. This course offers students an exploration of movement which acts to extend their choreographic vocabulary for dance composition. It also offers the opportunity to develop sensitivity working with groups in a spontaneous “performance” situation. Dance performances may be required in venues after school. Students are expected to furnish dancewear and shoes. A course fee is required.

Dance Composition and Improvisation Level I-IV is a Fine Arts course. Dance IV receives advanced grade points. A student may not earn state-approved credit for any dance course for Fine Arts credit and its corresponding PE equivalent simultaneously.

DANCE Appreciation - DUAL CREDIT

Klein ISD: 3970DC

Grades: 10-12

.5 Credit

Prerequisite:

Audition, Successful completion of previous course level

The cultural, historical and aesthetic qualities of dance are presented through lectures, films, videos, and dance productions. Primitive, classical and contemporary dance forms are included.

Advanced Grade Points: yes

Dual Credit Correlation: DANC 2303

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Multidisciplinary Endorsement

A multidisciplinary studies endorsement is earned when students successfully complete advanced courses in multiple content areas.

- Early College High School
- Honors College
- International Baccalaureate

Option A: Advanced Courses

4 from other endorsement areas

4.0 credits in Science
(must include Chemistry, Physics, or IPC)

Combination of 4.0 credits that prepare you to enter the workforce or postsecondary education from within one endorsement area or among endorsement areas that are not in a coherent sequence

Option B: Four by Four

4 credits in each foundation subject area, including English IV and chemistry and/or physics

4.0 English Credits
(must include English 4)

4.0 Math Credits

4.0 Science Credits
(must include Chemistry and/or Physics)

4.0 Social Studies Credits

Option C: Advanced Placement, International Baccalaureate, or Dual Credit

4 credits in Advanced Placement, International Baccalaureate, or dual credit selected from English, mathematics, science, social studies, economics, LOTE or fine arts

4.0 credits in Science
(must include Chemistry, Physics, or IPC)

Combination of 4.0 credits in AP, IB, or DC from these areas:

English
Math
Science
Social Studies
LOTE
Fine Arts

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Advanced Academics

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Acknowledgements for Outstanding Performance

A student may earn a performance acknowledgment on the student's transcript if they meet the state's qualifying criteria for

- Outstanding performance by successfully completing dual credit courses
- Demonstrating bilingualism and biliteracy
- Earning qualifying scores on the PSAT, ACT, SAT or ACT, Advanced Placement tests or International Baccalaureate exams
- Obtaining a nationally or internationally recognized business or industry certification or license

AP, OnRamps, IB and dual credit students have chosen a program that directly engages them in college-level work, participation in this course depends on a level of maturity consistent with the age of high school students who have engaged in thoughtful analyses of subjects. Students may be exposed to mature course content through course materials. These students should have the maturity, skill, and will to engage in these rigorous college based learning opportunities.

AP Capstone Diploma™

AP Capstone™ is based on two year long AP courses: AP Seminar and AP Research. Students who earn exam scores of 3 or higher in both courses **and** on four additional AP Exams of their choosing receive the AP Capstone Diploma™.

Advanced Placement Courses (AP)®

The Advanced Placement Program® (AP) college level courses are that students can take on all high school campuses and earn college credit through exams at the end of the course.

Dual Credit

Lone Star College offers dual credit courses designed for high school students to earn college credit and high school credit simultaneously. If the dual credit courses are taken either online or at the Lone Star University Park campus, the college will award letter grades which convert using the following numeric scale: A = 95 ; B = 85 ; C = 77; D = 72

International Baccalaureate Diploma Programme (IB)®

The International Baccalaureate® (IB) Diploma Programme is an internationally recognized set of courses designed to challenge and prepare 11th and 12th grade students for success in college and in life. This advanced program of study offers an integrated approach to learning across disciplines with an emphasis on meeting the challenges of living and working in a global, technological society. IB Diploma graduates who earn a score of 24 or higher are awarded a minimum of 24 credit hours to students who attend any public Texas University.

Klein Prep Courses (KP - formerly Pre-AP)

KP identified advanced courses provide rigorous content & instruction, research, assessment, and problem-based learning in all content areas in grades 6-11 which prepare students for success in Advanced Placement, Dual Credit, International Baccalaureate & College Programs.

OnRamps - University of Texas

OnRamps offers dual enrollment courses designed by the University of Texas at Austin faculty for high school students to earn college credit and high school credit simultaneously.

Note: Students identified as gifted/talented (GT) receive instructional services through the Advanced Academic courses/programs listed above. More GT Information on [page 4](#).



International Baccalaureate® Diploma Programme

The International Baccalaureate® (IB) Diploma Programme is an internationally recognized set of courses designed to challenge and prepare 11th and 12th grade students for success in college and in life. Students complete and test in **six IB subject groups**; write an **extended essay** of independent research guided by a faculty mentor, complete 150 hours of creative, action, and service activities (**CAS**); and participate in a critical thinking course called **Theory of Knowledge**. This advanced, comprehensive program of study offers an integrated approach to learning across disciplines with an emphasis on meeting the challenges of living and working in a global, technological society. Courses are taken at either Standard Level (150 class hours) or Higher Level (240 class hours). Additionally, IB strives to develop academic skills related to: inquiry, knowledge, communication, open-mindedness, balance, reflection, etc. Per S.B. 111, IB Diploma graduates who earn a score of 24 or higher are awarded a minimum of 24 credit hours to students who attend any public Texas University.

Please consider the following details specific to Klein ISD's IB Diploma Programme:

- Students must complete the application process to be considered for admission.
- The IB Programme is only available at Klein Oak High School. Any 8th-10th grade student enrolled within Klein ISD is eligible for admission into IB.
- In order to lay a foundation for success in 11th and 12th grade courses, students in grades 9 and 10 will take IB Preparatory courses classified as Pre-IP.
- Students originally zoned to another Klein ISD high school will be rezoned to Klein Oak High School at the start of the next academic year. Klein ISD Bus transportation is available for students originally zoned to another high school.

GROUP 1: STUDY IN LANGUAGES AND LITERATURE



KISD #: 3470, 3472

Grades: 9-10

1.0 Credit per year

Prerequisite:

Acceptance in IB® Programme

Students will take the introductory courses entitled Pre-IP English 1 & English 2 for focused instruction on the prerequisite skills and concepts needed for IB English in 11th grade. Pre-IP English 1 and 2 are appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for 9th and 10th grade respectively. Pre-IP English 1 emphasizes the goals of helping learners to connect with literature, write effectively, and prepare and deliver oral presentations. Students will explore classical and contemporary works of literature from our nation and the world. Major literary works representing various genres, authors, and historical periods will be emphasized. Composition instruction will focus on writing as an essential way to develop, clarify, and communicate ideas in persuasive, expository, literary, and expressive discourse. Vocabulary study will include the Latin and Greek influences on the English language. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB English Higher-Level course. Students enrolled in this class must pass an End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® LANGUAGE & LITERATURE HL1 & HL2

KISD #: 3404HL1, 3404HL2

Grades: 11-12

1.0 Credits per year

Prerequisite:

Pre-IP English 1 and 2 or Acceptance into IB programme

The IB Language & Literature courses focus on the rigorous academic demands of an International Baccalaureate® Higher Level course. This two-year, intensive study of English language and literature develops students' analytical abilities and creative powers of expression, both in oral and written communications. It encourages them to be original, independent, critical and logical thinkers, and to appreciate literature as an art form. Students learn techniques to analyze literary passages, drawn from prose and poetry, representative of a variety of historical literary periods. Various genres, styles, themes and contexts are examined through the analysis of grouped works. Students explore the ongoing forces of human creativity, artistic ingenuity, and cultural diversity that shape and develop literature. Students engage in daily formal and/or in formal writing tasks including free writing, response journals, dialectical journals, essays, abstracts, critiques and commentaries. They practice public speaking, engaging in the critical and constructive exchange of ideas through oral presentations, class discussions, panel discussions, as well as informal and/or informal debates. This course culminates in the completion of the IB Language & Literature assessment in May of the student's 12th grade year.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

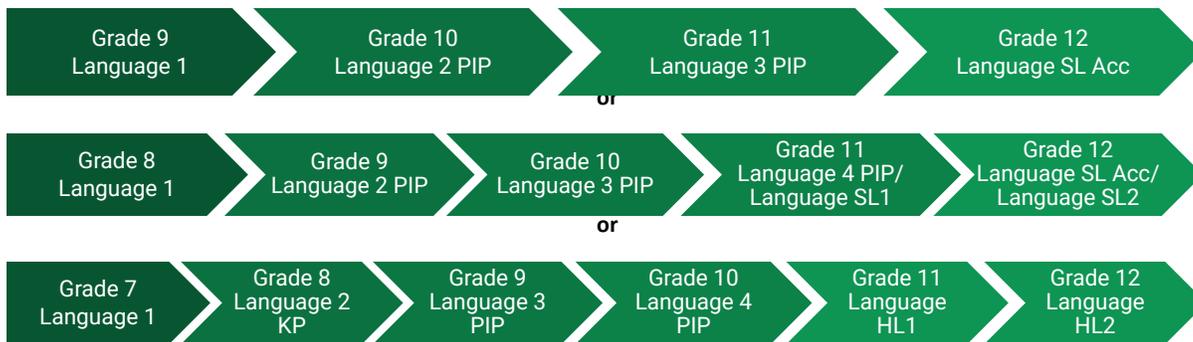
College programs

Course Fees

Index



GROUP 2: LANGUAGE ACQUISITION



SPANISH 2 Pre-IP

KISD #: 3490

Grades: 9-10 1 Credit

Prerequisite: Spanish 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 3 Pre-IP

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1 and 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

SPANISH 4 Pre-IP

KISD #: 3492

Grades: 9-11 1 Credit

Prerequisite: Spanish 1, 2, & 3 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Spanish culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced-low proficiency levels and preparation for the depth and complexity of Spanish International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® SPANISH SL (standard level)

KISD #: 3450 (accelerated course) or 3450SL1 & 3450SL2

Grades: 11-12 1 Credit per year of study

Prerequisite: Pre-IP Spanish 3, Pre-IP Spanish 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB Spanish SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® SPANISH HL (higher level)**KISD #:** 3451HL1 & 3451HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP Spanish 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in Spanish. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB Spanish HL exam in May; exam fees apply.

Advanced Grade Points: Yes**FRENCH 2 Pre-IP****KISD #:** 3482**Grades:** 9-10 **1 Credit****Prerequisite:** French 1

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the novice-high to intermediate-low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**FRENCH 3 Pre-IP****KISD #:** 3484**Grades:** 9-11 **1 Credit****Prerequisite:** French 1, French 2 Pre-IP

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-mid to intermediate-high proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**FRENCH 4 Pre-IP****KISD #:** 3486**Grades:** 10-11 **1 Credit****Prerequisite:** French 1-2, French 3 (Pre-IP/KP strongly recommended)

This course develops the four communications skills of reading, writing, speaking, and listening in depth. Vocabulary, speaking fluency, writing proficiency, and Francophone culture will be emphasized. The focus of this course is language acquisition at the intermediate-high to advanced low proficiency levels and preparation for the depth and complexity of French International Baccalaureate® courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® FRENCH SL (standard level)****KISD #:** 3440 (accelerated course) or 3440SL1 & 3440SL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP French 3, Pre-IP French 4 Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB French SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® FRENCH HL (higher level)**KISD #:** 3451HL1 & 3451HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP French 4

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in French. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB French HL exam in May; exam fees apply.

Advanced Grade Points: Yes**GERMAN 2 KLEIN PREP (KP)****KISD #:** 2622Q**Grades:** 9-12 **1 Credit****Prerequisite:** German 1

This course is designed for students preparing for the AP tract. The focus of the course is language acquisition at the novice-high to intermediate-low proficiency levels. Classes are conducted in the language as much as possible to meet the ACTFL standards of proficiency in the language. *German 2 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate German enroll in this course.

Advanced Grade Points: Yes**GERMAN 3 KLEIN PREP (KP)****KISD #:** 2624Q**Grades:** 9-12 **1 Credit****Prerequisite:** German 2 and KLEIN PREP Guidelines

This course is designed for students preparing for the AP tract; and provides opportunities for students to acquire intermediate-mid to intermediate-high proficiency skills in speaking, reading, writing, and listening in the German language. Classes are conducted primarily in the language to meet the ACTFL standards of proficiency in the language. *German 3 Pre-IP is not available at this time. It is recommended that students wishing to pursue International Baccalaureate German enroll in this course.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® GERMAN SL (standard level)****KISD #:** 3455 (accelerated course) or 3455SL1 & 3455SL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** German 1-2, German 3 KP Highly Recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-low to advanced-mid proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. This course culminates in the completion of the IB German SL exam in May; exam fees apply.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® GERMAN HL (higher level)****KISD #:** 3456HL1 & 3456HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** German 1-2, German 3 KP Required

This course must be taken over a two year period (students will earn 1 credit per year of completion). This course incorporates the development of communication skills in listening, speaking, reading, and writing. Students will develop new communication skills by using knowledge of the oral and written language, technology, and content from other subject areas. This course provides opportunities for students to acquire advanced-mid to advanced-high proficiency in German. IB Language courses emphasize 5 prescribed themes: identities, experiences, human ingenuity, social organization, and sharing the planet. Subjects at HL are studied in greater depth and breadth than SL. This course culminates in the completion of the IB German HL exam in May; exam fees apply.

Advanced Grade Points: Yes

GROUP 3: INDIVIDUALS AND SOCIETIES



INTERNATIONAL BACCALAUREATE® HISTORY OF THE AMERICAS HL (higher level)

KISD #: 3410HL1 & 3410HL2

Grades: 11 and 12

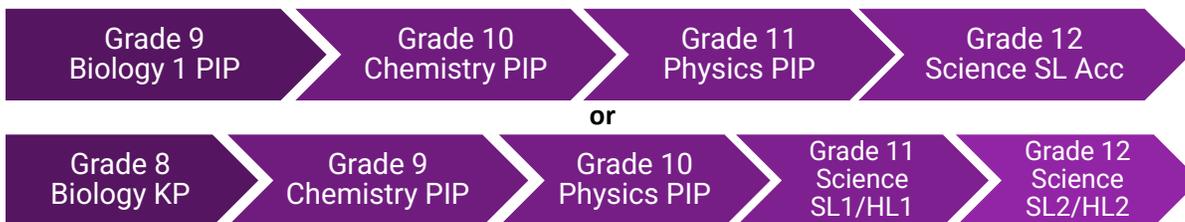
1 Credit per year of study

Prerequisite: World Geography KP and AP World History

The IB History of the Americas is a two-year course of study that provides students with an intensive analysis of the political, economic, social, intellectual, diplomatic, and cultural development of early American history, as well as a transition into 20th century topics. It involves the study of a variety of history, including political, economic, social, and cultural, and provides a balance of structure and flexibility. The six key concepts include: change, continuity, causation, consequence, significance, and perspectives. Students must pass a US History End of Course (EOC) exam to meet graduation requirements. This course culminates in the completion of the IB HOA HL exam in May; exam fees apply. ***This course replaces the U.S. History requirement for graduation.**

Advanced Grade Points: Yes

GROUP 4: SCIENCES



BIOLOGY 1 Pre-IP

KISD#: 3476

Grades: 9

1 credit

Prerequisite: Acceptance into the IB® Programme

IB Preparatory Biology provides students with an understanding of the important underlying biological themes of form and function, equilibriums, and evolution as an underlying concept for understanding life on Earth. This course is appropriate for identified gifted learners who require specialized instructional services. Students will become knowledgeable about the ideas and concepts fundamental to biology. Pre-IP Biology is appropriate for identified gifted learners who require specialized instructional services. At its foundation, the reading, writing, listening, and speaking skills are based on the Texas Essential Knowledge and Skills (TEKS) for Biology. Students who successfully complete the Pre-IP courses will be prepared for the rigorous academic demands of the IB Biology Standard Level and Higher Level courses. Students enrolled in this class must pass a Biology End of Course (EOC) exam to meet graduation requirements.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® BIOLOGY SL (standard level)

KISD #: 3430

Grades: 11 and 12

1 Credit

Prerequisite: KLEIN PREP/GT or Pre-IP Biology and KLEIN PREP/GT or Pre-IP Chemistry

The primary goal of this course is to help students gain an appreciation of science as a process and provide them with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. The course would consist of lecture, teacher-designed labs, student-designed labs and other types of experimental learning. The material of study for Biology (SL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. The course would consist of lecture, teacher designed labs, student-designed labs and other types of experiential learning. This course includes a multi-disciplinary group science project.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® BIOLOGY HL (higher level)**KISD #:** 3436HL1 & 3436HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Biology Pre-IP

This course must be taken over a two-year period (students will earn 1 credit per year of completion). Through the course, students will become aware of how scientists work and communicate with each other. Students will design investigations, collect data, develop manipulative skills, analyze results, collaborate with peers, and evaluate and communicate their findings. Subjects at HL are studied in greater depth and breadth than SL. The material of study for IB® Biology (HL) will include the following topics: biochemistry, cells, genetics, nucleic acids, proteins, evolution, ecology and evolution, ecology and conservation, and human health physiology. This course includes a multi-disciplinary group science project and culminates in the completion of the IB Biology HL exam in May; exam fees apply.

Advanced Grade Points: Yes**CHEMISTRY PRE-IP****KISD#:** 3478**Grades:** 9-10 **1 Credit****Prerequisite:** Algebra 1 and Acceptance into the IB® Programme

Pre-IP Chemistry is a laboratory centered course that investigates the composition and behavior of matter. Skills emphasized are reading and writing scientific, technical information; collecting and analyzing data; note taking and time management. Students who successfully complete the course will be prepared for the rigorous academic demands of the IB Chemistry Standard Level and Higher Level courses. This course is appropriate for identified gifted learners who require specialized instructional services.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® CHEMISTRY SL (standard level)****KISD #:** 3432 (accelerated course) or 3432SL1 & 3432SL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** KP Chemistry required, Pre-IP Chemistry highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period (students will earn 1 credit per year of completion). This course provides opportunities for scientific study and creativity within a global context which will stimulate and challenge students; students will analyze, evaluate, and synthesize scientific information and express their ideas orally and in writing. The course includes the following topics of study: stoichiometry, atomic theory and atomic models, periodicity, bonding, states of matter, solutions, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry, environmental chemistry, and fuels and energy. To develop students' experimental and investigative skills, 40% of a student's classroom time will be devoted to performing laboratory activities. A multi-disciplinary group project is a component of this class. The course culminates in the completion of the IB Chemistry SL exam in May; exam fees apply.

Advanced Grade Points: Yes**INTERNATIONAL BACCALAUREATE® CHEMISTRY HL (higher level)****KISD #:** 3433HL1 & 3433HL2**Grades:** 11-12 **1 Credit per year of study****Prerequisite:** Pre-IP Chemistry

This course must be taken over a two-year period (students will earn 1 credit per year of completion). The higher level course is designed for students with a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems, provides opportunities for scientific study and creativity within a global context which will stimulate and challenge students. The course will contribute to the students' ability to analyze, evaluate, and synthesize scientific information and help develop the students' ability to think clearly and express their ideas orally and in writing with clarity and logic. The course reviews the topics of study covered in SL as a core stoichiometry, atomic theory and atomic models, periodicity, bonding, states of matter, solutions, energetic, kinetics, equilibrium, acids and bases, oxidation and reduction, organic chemistry--but also continues with the topics in greater depth. HL students are expected to study additional topics and to study extension material of a more demanding nature than SL. This course encourages an understanding of the relationships between scientific disciplines and the overarching nature of the scientific method. To develop students' experimental and investigative skills, 40% of a student's classroom time will be devoted to performing laboratory activities and independent investigations. A multi-disciplinary group project is also a component of this class. This course culminates in the completion of the IB Chemistry HL exam in May; exam fees apply.

Advanced Grade Points: Yes

PHYSICS PRE-IP

KISD #: 3474

Grades: 10-11

1 Credit

Prerequisite: Algebra 1 & Geometry, Acceptance into IB[®] Programme

Pre-IP Physics is a comprehensive study in classical mechanics and electromagnetism. Topics include Newton's Laws, Kinematics, Vectors, Circular motion, Gravitation, Work-Energy, Momentum, Electrostatics, Magnetism, Ohm's Law, DC circuitry, Light, Sound and Nuclear physics. Pre-IP physics provides a foundation for those students wanting to take IB Physics SL/HL or other advanced Physics courses. This course is appropriate for identified gifted learners who require specialized instructional services. Students should have strong algebra skills to be successful in this rigorous course.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE[®] PHYSICS SL (standard level)

KISD #: 3434 (accelerated course) or 3434SL1 & 3434SL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre IP-Physics or AP Physics highly recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). Physics is the study of the relationship between matter and energy. The student will be introduced to fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE[®] PHYSICS HL (higher level)

KISD #: 3438HL1 & 3438HL2

Grades: 11-12

1 Credit per year of study

Prerequisite: Pre-IP Physics or AP Physics required

This course must be taken over a two year period (students will earn 1 credit per year of completion). Students will encounter further extensions of the fundamental concepts in the areas of mechanics, wave actions, heat, electricity, magnetism, and nuclear phenomena. Observations of the laws of force and motion, the nature of light, wave phenomena, and properties of electricity and magnetism are integral components of the course. In addition, the student will study topics on relativity, optics, and astrophysics. Students will develop experimental and investigative scientific skills, including an ability to ask physical questions and to obtain solutions to those questions by use of physical intuition, experimental investigation, and formal logic. Awareness will be gained of the connections of physics to other disciplines and to societal issues. Knowledge of algebra and basic trigonometry is required for the course. Basic ideas of calculus may be introduced in the study of some concepts. To develop students' experimental and investigative skills, at least 40% of a student's classroom time will be devoted to performing laboratory and inquiry activities that cover a range of topics and skills including a multi-disciplinary group science project. Laboratory investigations will help the student develop an ability to analyze, evaluate, and synthesize scientific information. This course culminates in the completion of the IB Physics HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

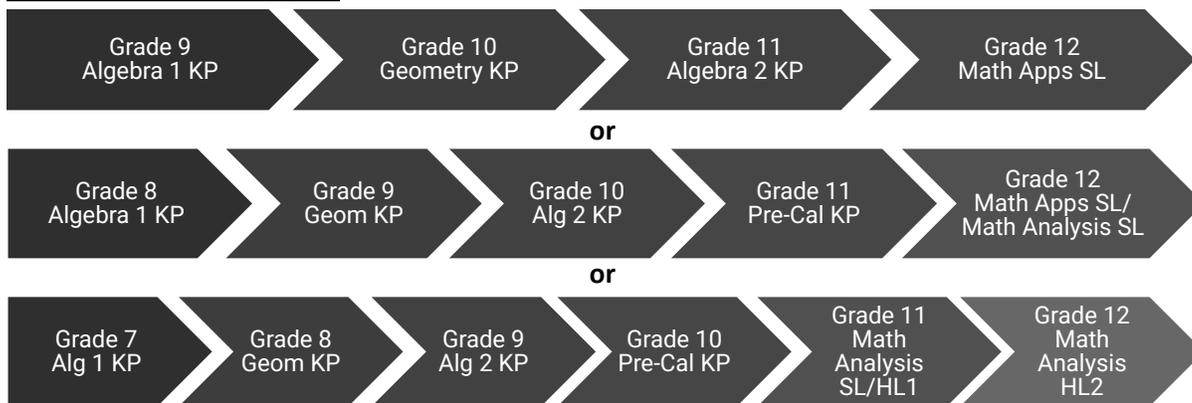
College programs

Course Fees

Index



GROUP 5: MATHEMATICS



INTERNATIONAL BACCALAUREATE® MATH: APPLICATIONS & INTERPRETATIONS SL (standard level)

KISD #: 3425

Grades: 11-12

2 Credits earned within 1 academic year

Prerequisite:

Algebra 1, Geometry, Algebra 2, and Pre-Calculus KP highly recommended

This course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. Students are encouraged to solve real-world problems, construct and communicate this mathematically, and interpret the conclusions. Students are expected to work independently and develop an investigation mode, which can be applied to other subject areas, to common world occurrences and to topics that relate to the self-interest of students. This course culminates in the completion of the IB Mathematics: Applications & Interpretations SL exam in May; exam fees apply.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MATH: ANALYSIS & APPROACHES SL/HL (standard level/higher level)

KISD #: 3421 or 3418HL1 & 3418HL2

Grades: 11-12

2 Credits

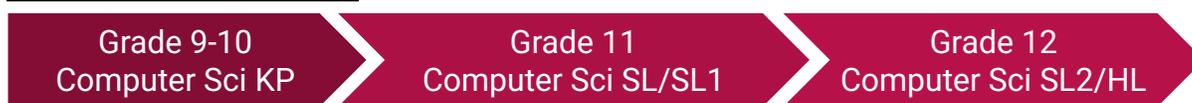
Prerequisite:

Geometry, Algebra 2, Pre-Calculus KP and AP Calculus AB/BC recommended

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two-year period, but at a higher level of rigor (students will earn 1 credit per year of completion). Subjects at HL are studied in greater depth and breadth than SL. This course includes topics that are traditionally part of a pre-university mathematics course such as calculus, trigonometry, and differential equations. The course recognizes the need for analytical expertise in a world where innovation is increasingly dependent on a deep understanding of mathematics. The focus is on developing important mathematical concepts in a comprehensible, coherent, and rigorous way, achieved by a carefully balanced approach. This course places a strong emphasis on the ability to construct, communicate, and justify correct mathematical arguments. Students should expect to develop insight into mathematical form and structure, and should be intellectually equipped to appreciate the links between concepts in different topic areas. This course culminates in the completion of the IB Mathematics: Analysis & Approaches HL exam in May; exam fees apply.

Advanced Grade Points: Yes

GROUP 6: ARTS/ELECTIVES



INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE SL (standard level)

KISD Code: 3426 (accelerated course) or 3426SL1 and 3426SL2

Grade: 11 -12

1 Credit per year of study

Prerequisite:

One credit of computer science

This course may be taken as an SL accelerated option in which the 2 years of study are condensed into 1 academic year (students will be awarded 2 credits upon completion), or it may be taken over a two year period (students will earn 1 credit per year of completion). IB Computer Science explores how computer science interacts with and influences cultures, society, and how individuals/societies behave, and the ethical issues involved. Students will be able to trace algorithms, utilize software designs, understand arrays, computer systems/networks/algorithms, and design, prototype, and test proposed solutions to unanswered questions. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science SL exam in May; exam fees apply.

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



INTERNATIONAL BACCALAUREATE® COMPUTER SCIENCE HL (higher level)

KISD Code: 3428HLM

Grade: 12 1 Credit

Prerequisite: Successful completion of IB Computer Science SL1

Students may choose to enhance the breadth/depth of study in Computer Science by enrolling in IB Computer Science HL following year 1 of IB Computer Science SL. IB Computer Science explores the logic, and technology related issues. Students are expected to write programs using an object-oriented approach, analyze and formulate success criteria, solution specifications, and appropriate techniques with a specified solution. Time spent on the program internal assessment is an important part of the course and will be utilized to demonstrate mastery of the programming language of the course (Java). This course culminates in the completion of the IB Computer Science HL exam in May; exam fees apply.

Advanced Grade Points: Yes

Grade 9-10
Fine Art 1Grade 11
Fine Art SLGrade 12
Fine Art HL**INTERNATIONAL BACCALAUREATE® VISUAL ARTS SL (standard level)**

KISD #: 3466

Grades: 11 1 Credit

Prerequisite: Art 1

This course serves as year 1 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts course encourages students to challenge their own creative and cultural expectations and boundaries. Students will be exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. These courses are designed for students who want to go on to further study of visual arts in higher education, as well as for those who are seeking lifelong enrichment through visual arts. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® VISUAL ARTS HL (higher level)

KISD #: 3465

Grades: 12 1 Credit

Prerequisite: IB Visual Arts SL

This course serves as year 2 of a 2 year course design; students will take Visual Arts SL in grade 11. The IB® Diploma Programme Visual Arts HL course builds upon the skills developed in SL. The course encourages students to challenge their own creative and cultural expectations and boundaries. In lieu of a traditional exam, this course culminates through the completion of an exhibition curating 8-11 artworks, a process portfolio of experimentation, exploration, and refinement of a variety of art-making activities, and a comparative study analyzing the influences of artists and the ways in which art influences. **Students are responsible for the cost of materials used in products they take home.**

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® MUSIC SL (standard level)

KISD #: 3460

Grades: 11-12 2 Credits

Prerequisite: One year of band, choir, orchestra or comparable private music instruction in grades 9 or 10

The Diploma Programme Music course has been designed to prepare the 21st century music student for a world in which global musical cultures and industries are rapidly changing. The course is grounded in the knowledge, skills and processes associated with the study of music and offers a strengthened approach to student creativity through practical, informed and purposeful explorations of diverse musical forms, practices and contexts. The course also ensures a holistic approach to learning, with the roles of performer, creator and researcher afforded equal importance in all course components. In lieu of a traditional exam, this course culminates through the completion of a portfolio of diverse musical material, the creation and performance of practical musical evidence, and a solo/ensemble performance.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® DANCE SL (standard level)

Klein ISD# 3464/3464PE

Grades: 11 1 Credit

Prerequisite: None

This course serves as year 1 of a 2-year course design; students will take Dance SL in grade 11. The IB® Diploma Programme Dance course takes a holistic approach to dance, and embraces a variety of dance traditions and dance cultures—past, present and looking towards the future. Performance, creative and analytical skills are mutually developed and valued whether the students are writing papers or creating/performing dances. The curriculum provides students with a liberal arts orientation to dance. These courses are designed for students who want to further study the art of dance in higher education, as well as for those who are seeking lifelong enrichment through dance. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3464PE code.

Advanced Grade Points: Yes



INTERNATIONAL BACCALAUREATE® DANCE HL (higher level)

Klein ISD# 3469/3469PE

Grades: 12 1 Credit

Prerequisite: IB Dance SL

This course serves as year 2 of a 2-year course design; students will take Dance SL in grade 11 and Dance HL in grade 12. The IB® Diploma Programme Dance HL course builds upon the skills developed in SL. The course facilitates the development of an understanding of movement skills appropriate to the dancer's performance, clarity in relationship to space, time, dynamics, and movement qualities, and communicative expression in relation to other performers/the audience. In lieu of a traditional exam, this course culminates through the completion of dance works composed by the student and a formal written report which analyzes the similarities/differences between two dance styles drawn from different dance cultures and/or traditions. Students needing to earn PE credit to fulfil state graduation requirements will register using the 3469PE code.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS SL (standard level)

KISD #: 3462

Grades: 11 1 Credit

Prerequisite: One-year theatre arts or theatre production in grades 9 or 10

This course serves as year 1 of a 2 year course design; students will take Theatre Arts SL in grade 11. The IB® Diploma Programme Theatre Arts course is multifaceted and gives students the opportunity to actively engage in theatre as creators, designers, directors and performers. It emphasizes working both individually and collaboratively as part of an ensemble. The teacher's role is to create opportunities that allow students to explore, learn, discover and collaborate to become autonomous, informed and skilled theatre-makers. Students learn to apply research and theory to inform and to contextualize their work. Through researching, creating, preparing, presenting and critically reflecting on theatre, they gain a richer understanding of themselves, their community and the world. These courses are designed for students who want to further study theatre arts in higher education, as well as those who are seeking lifelong enrichment through visual arts.

Advanced Grade Points: Yes

INTERNATIONAL BACCALAUREATE® THEATRE ARTS HL (higher level)

KISD #: 3463

Grades: 12 1 Credit

Prerequisite: IB Theatre Arts SL

This course serves as year 2 of a 2-year course design; students will take Theatre Arts HL in grade 12. The IB® Diploma Programme Theatre Arts HL course builds upon the skills developed in SL. Additionally, students experience the course from contrasting artistic and cultural perspectives. They learn about theatre from around the world, the importance of making theatre with integrity, and the impact that theatre can have on the world. It enables them to discover and engage with different forms of theatre across time, place and culture, promoting international-mindedness and an appreciation of the diversity of theatre. In lieu of a traditional exam, this course culminates through the completion of a research presentation of a world theatre tradition, a collaborative creation and performance of an original piece of theatre, and a solo theatre piece that demonstrates the practical application of a theatre theory to a theatre piece for an audition.

Advanced Grade Points: Yes

THEORY OF KNOWLEDGE

KISD #: 3468A & 3468B

Grades: 11 and 12 0.5 Credits per semester (spring semester of 11th grade & fall semester of 12th grade)

Prerequisite: IB® Diploma Programme Candidates Only

With its position at the center of the International Baccalaureate hexagon suggesting its connective possibilities, the Theory of Knowledge class offers students the opportunity to reflect on themselves as "knowers" in the act of knowing. Six different areas of knowledge, some of which are intensively pursued in other parts of the curriculum, become the subjects of critical inquiry as "knowers," singly and in community, explore what it means to know in each area and how those ways bump into or reinforce each other. As they inquire, students cultivate precision in their recognition of the difficulties that attend their ways of knowing: the nature and limit of perception, the trickery and truthfulness of emotions, the seduction and elusiveness of language, and the attraction of reason. Sorting out this tangle of possibilities is the critical challenge of those who desire to thrive in the Theory of Knowledge class. Practiced with the proper curiosity and generosity, thus wrestling with the problems of knowledge will take students from text to text, time to time, and culture to culture, promoting self-understanding and rich appreciation of difference and variety. The result will be a subtle sophistication of intellect.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

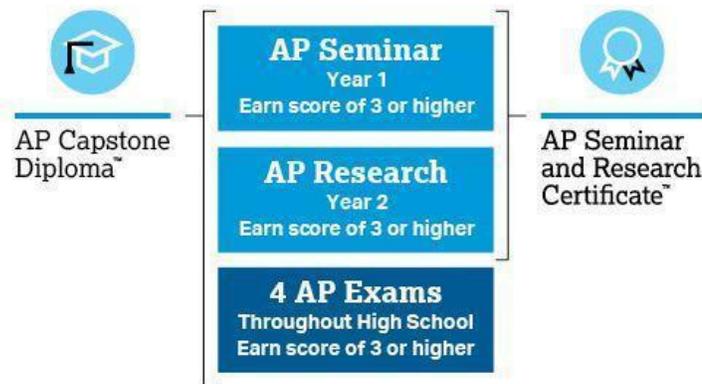
Course Fees

Index



AP Capstone

AP[®] Capstone is a College Board program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone comprises two AP courses—AP Seminar and AP Research—and is designed to complement and enhance the discipline-specific study in other AP courses. The AP Capstone Diploma is granted to students who earn scores of **3 or higher in AP Seminar and AP Research and on 4 additional AP Exams of their choosing**. The AP Seminar and Research Certificate is granted to students who earn scores of 3 or higher in both AP Seminar and AP Research.



Advanced Placement[®] Seminar

Klein ISD # 9930

Grades: 9-12 1 Credit

Prerequisite:

AP[®] Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

Advanced Placement[®] Research

Klein ISD # 9931

Grades: 10-12 1 Credit

Prerequisite: AP Seminar

AP[®] Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense. **Students enrolled in this course must take the AP[®] exam to earn college credit.**

Advanced Grade Points: Yes

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



College Programs

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Why choose to complete a College Program?

- Participate in a program of increased rigor - a proven factor for 4-year college admissions
- Graduate under the Distinguished Plan with multiple Endorsements and Performance Acknowledgements
- Earn a high school diploma and college degree at the same time
- Save approximately half or more of the traditional college costs

**Minimum Algebra I Required in Grade 8 for most programs.*

EARLY COLLEGE HIGH SCHOOL

<https://vistas.kleinisd.net/our-school/echs>

GEOSPATIAL ENGINEERING & LAND SURVEYING

<https://programs.kleinisd.net/whatweoffer/college-pathways/geospatial-engineering-land-surveying>

GLOBAL BUSINESS

<https://programs.kleinisd.net/whatweoffer/college-pathways/global-studies>

FUTURE TEACHERS

<https://programs.kleinisd.net/whatweoffer/college-pathways/futureteacher>

HONORS COLLEGE

https://drive.google.com/file/d/1ArfIMYLH_EF18aoe8q0Yuv3kNM-tHdv9/view

INTERNATIONAL BACCALAUREATE

<https://sites.google.com/kleinisd.net/ibatkleinoak/>

MEDICAL SCIENCES

<https://programs.kleinisd.net/whatweoffer/college-pathways/medical-sciences>

AUTOMOTIVE TECHNOLOGY

<https://programs.kleinisd.net/whatweoffer/college-pathways/automotive-technology>

ELECTRICAL TECHNOLOGY

<https://programs.kleinisd.net/whatweoffer/college-pathways/global-studies>



Course Fees

CTE Course Fees 177

Fine Arts Course Fees 185

Athletic Fees 186

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Course Fees

CTE Course	Course #	Fee	Purpose	Certification Fee
AC/DC Electronics	963818	\$15.00	Supplies and Materials utilized for a variety of student projects	
AC/DC Electronics Dual Credit	9640DC18	\$15.00	Supplies and Materials utilized for a variety of student projects	
Advanced Culinary	936418	\$100.00	Food Lab Materials	
Advanced Floral Design	905718	\$115.00	Project materials	\$80 TSFA Level 1 Certification
Ag Structures Design & Fabrication/Lab	907918	\$50.00	Materials needed for labs inclusive of wood, metal, and pvc projects.	
Ag Structures Design & Fabrication/Lab	907918	\$275.00	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	
Anatomy & Physiology	927118	\$35.00	Supplies, equipment, and consumable materials used for labs.	
Anatomy & Physiology - Dual Credit	9271DC18	\$35.00	Supplies, equipment, and consumable materials used for labs.	
Animation II	947718			\$104 Additional Autodesk Maya or 3DS MAX Exam
Architectural Design I	947218	\$15.00	Model Supplies and project materials	
Architectural Design II	947318	\$15.00	Model Supplies and project materials	
Audio/Video Production I	915218	\$25.00	SD Card and project materials	
Audio/Video Production II	915918	\$25.00	SD Card and project materials	\$157 Additional Adobe Certified Associate Fee + Retake

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Fee	Purpose	Certification Fee
Automotive Basics	961118	\$15.00	PPE and Safety requirements	
Automotive Technology I	961218	\$65.00	Safety glasses, dust masks, and ear plugs	
Automotive Technology I - Dual Credit	9613DC18	\$65.00	Safety glasses, dust masks, and ear plugs	
Automotive Technology II	961418	\$65.00	Safety glasses, dust masks, and ear plugs	
Automotive Technology II - Dual Credit	9615DC18	\$65.00	Safety glasses, dust masks, and ear plugs	
Broadcast Journalism	0176 0177 0178	\$25.00	SD cards and card readers	
Child Guidance	933618	\$40.00	Clothing	
Computer Aided Drafting for GIS/Land Surveying	9464DC18	\$20.00	Project materials	
Computer Science 1	4900	\$10.00	Project materials	
Computer Science AP	4901	\$10.00	Project materials	
Computer Science Principles AP	4902	\$10.00	Project materials	
Construction Technology	961818	\$25.00	Safety glasses, ear plugs, & dust masks	
Construction Technology II	962018	\$30.00	Safety glasses, ear plugs & dust masks	
Cosmetology I	962618	\$350.00/\$26	Deposit for Junior Kit (tools, mannequin, lab coat, and uniform shirt)/ Permit Fee	
Cosmetology I Lab	962618	\$350.00	Remaining balance for Junior Kit	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Fee	Purpose	Certification Fee
Cosmetology II	962418	\$350.00 /\$131	Remaining balance for Senior Kit/ Certification Exam	
Cosmetology II Lab	962418	\$350.00	Deposit for Senior Kit (tools, mannequin, lab coat, and uniform shirt)	
Culinary Arts	935018	\$65.00	Culinary Uniform	\$16 Servsafe Food Handler
Culinary Arts	935018	\$75.00	Food Lab Materials	
Electrical Engineering Capstone	945918	\$25.00	Project materials and kits	
Engineer Your World	949018	\$25.00	Safety glasses and project materials	
Engineering Design & Presentation I	947418	\$15.00	Model Supplies and project materials	\$104 Additional Autodesk Certification
Engineering Design & Presentation II	936818	\$25.00	Model Supplies and project materials	
Family and Community Services	932618	\$25.00	Supplies for community service-based projects	
Fashion Design I	935618	\$25.00	Project materials	
Fashion Design II	935918	\$45.00	Project materials	
Floral Design	905318	\$115.00	Project materials	
Food Technology & Safety	906718	\$75.00	Food Lab Materials	\$16 Servsafe Food Handler
Health Science Theory	926918	\$10.00	CPR Certification	
HVAC I	962118	\$15.00	Safety glasses, ear plugs, & dust masks	
HVAC II	962318	\$15.00	Safety glasses, ear plugs, & dust masks	
Instructional Practices in Education & Training	933318	\$35.00	Clothing	
Interior Design I	936018	\$30.00	Project materials utilized for a variety of mediums	
Interior Design II	936118	\$50.00	Project materials utilized for a variety of mediums	
Agricultural Mechanics and Metal Technology	906118	\$40.00	Welding materials- metal, consumables, shop project materials and supplies	
Lifetime Nutrition and Wellness	934818	\$25.00	Food Lab Materials	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Fee	Purpose	Certification Fee
Outdoor Power Equipment & Small Engine Technology I	967218	\$15.00	Safety glasses, dust masks, ear plugs, and project materials	
Outdoor Power Equipment & Small Engine Technology II	967418	\$15.00	Safety glasses, dust masks, ear plugs, and project materials	
Agricultural Mechanics and Metal Technology	906118	\$275.00	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	
Practicum in Architectural Design	947518	\$15.00	Model Supplies and project materials	
Practicum in Audio/Video Production	91518	\$25.00	SD Card and project materials	
Practicum in Automotive Technology	961918	\$65.00	Safety glasses, ear plugs, uniform, and project materials	
Practicum in Construction Technology	961718	\$30.00	Safety glasses, dust masks, ear plugs, and consumable supplies	
Practicum in Culinary Arts	935218	\$100.00	Food Lab Materials	
Practicum in Early Learning	933818	\$40.00	Shirts, Supplies, Project Materials, Class Lab	
Practicum in Education and Training	933418	\$35.00	Clothing	
Practicum in Engineering Design	936918	\$25.00	Model Supplies and project materials	
Practicum in Family & Community Services	932718	\$30.00	Supplies for community service-based projects	
Practicum in Fashion Design	936318	\$45.00	Project materials	
Practicum in Forensic Science	964318	\$40.00	Project materials and safety equipment used for Science Projects	
Practicum in Health Science - EMT	927618	\$468.00	EMS Provider Fees	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

CTE Course	Course #	Fee	Purpose	Certification Fee
Practicum in Health Science-Diagnostics	926218	\$150.00	Malpractice Insurance (\$17) Consumable supplies for skills training requirements (PPE, EKG, Phlebotomy supplies)	\$130 EKG Technician Exam
Practicum in Health Science-Pharm Tech	927718	\$100.00	Consumable items: PPE, compounding supplies, demo dose practice items	
Practicum in Health Science-Clinical	927918	\$100.00	Malpractice Insurance (\$17) Consumable supplies for skills training requirements	
Practicum in Horticulture & Floral Design	905218	\$165.00	Project materials	\$105 TSFA Level 2 Certification Exam
Practicum in Interior Design	936218	\$50.00	Project materials utilized for a variety of mediums	
Practicum in Law Enforcement	962918	\$35.00	Clothing	
Practicum in Outdoor Power Equipment & Small Engine Technology	967118	\$15.00	Safety glasses, dust masks, ear plugs, clothing, and consumable supplies	
Practicum in Robotics	966418	\$20.00	Supplies and materials utilized for a variety of projects	
Practicum in STEM-Geospatial/Land Surveying	9468DC18	\$20.00	Project materials	
Practicum in Veterinary Science	907618			\$55 Agrilife Veterinary Assistant Certification
Practicum in Veterinary Science	907618	\$17.00	Malpractice Insurance	
Introduction to Welding *KOHS & KCain Only	966718	\$25.00	Welding materials- metal, consumables, shop project materials and supplies	
Principles of Animation	949318	\$15.00	Project Supplies and Animation Kits	
Principles of Applied Engineering	947018	\$10.00	Model Supplies and project materials	
Principles of Architecture	948118	\$10.00	Model Supplies and project materials	
Principles of Audio/Video		\$25.00	SD Card and project materials	
Principles of Hospitality & Tourism	935118	\$25.00	Food Lab Materials	



CTE Fees Cont.

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

CTE Course	Course #	Fee	Purpose	Certification Fee
Principles of Human Services	933118	\$20.00	Food Lab Materials	
Principles of Human Services	933118	\$20.00	Project materials	
Raster Based GIS	9465DC18	\$20.00	Project materials	
Robotics I	964118	\$10.00	Supplies and materials utilized for a variety of projects	
Robotics II	964218	\$15.00	Supplies and materials utilized for a variety of projects	
ROTC 1	1901	\$75.00	Uniform Alterations & Cleaning, and equipment needs	
ROTC 2	1902	\$75.00	Uniform Alterations & Cleaning, and equipment needs	
ROTC 3	1903	\$75.00	Uniform Alterations & Cleaning, and equipment needs	
ROTC 4	1904	\$75.00	Uniform Alterations & Cleaning, and equipment needs	
Solid State Electronics	963918	\$15.00	Supplies and Materials utilized for a variety of student projects	
Video Game Programing	915518	\$10.00	SD Cards for student projects	
Introduction to Welding *KOHS & KCain Only	966718	\$275.00	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	
Practicum in Agricultural Technology and Mechanical Systems	908618	\$65.00	Materials needed for labs inclusive of wood, metal, and pvc projects.	
Wildlife, Fisheries, and Ecology Management	904618			\$15 Hunter's Safety Certification Exam and \$20 Boater Education Certification Exam



CTE Fees Cont.

CTE Course	Course #	Fee	Purpose	Certification Fee
Practicum in Agricultural Technology and Mechanical Systems	908618	\$275.00	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	
Practicum in Welding **KOHS & KCain Only	966918	\$60.00	Welding materials- metal, consumables, shop project materials and supplies	
Practicum in Welding **KOHS & KCain Only	966918	\$275.00	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	
Welding I **KOHS & KCain Only	966818	\$40.00	Welding materials- metal, consumables, shop project materials and supplies	
Welding I **KOHS & KCain Only	966818	\$275.00	To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase. Students who choose not to purchase the Welding Pack should plan to acquire these items separately.	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



CTE Fees Cont.

CTE Course	Course #	Fee	Purpose	Certification Fee
Welding II ***KOHS & KCain Only	967018	\$50.00	Welding materials- metal, consumables, shop project materials and supplies	
Welding II ***KOHS & KCain Only	967018	\$275.00	<p>To ensure students have all necessary equipment and materials for success in their welding courses, a comprehensive Welding Pack for is available for purchase.</p> <p>Students who choose not to purchase the Welding Pack should plan to acquire these items separately.</p>	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Course Fees

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Content	Course		Fee	Per	Notes
Fine Arts	Art - Year 1		\$45	year	Includes equipment and consumable materials used to create final products in a variety of mediums.
Fine Arts	Art - Year 2		\$55	year	
Fine Arts	Art - Year 3		\$55	year	
Fine Arts	Art - Year 4		\$55	year	
Fine Arts	Art - IB/AP Art		\$65	year	
Fine Arts	Band - Year 1	≤	\$650	year	Includes master class and large ensemble clinicians, marching band design costs and tech staff, accompanists, choreographers, organization apparel, required entry fees, hospitality, office supplies and other equipment, and other extracurricular and consumable expenses on a program by program basis. Does not include instrument rental, one time purchases such as marching shoes, rehearsal clothing, garment bags, etc.
Fine Arts	Band - Year 2	≤	\$650	year	
Fine Arts	Band - Year 3	≤	\$650	year	
Fine Arts	Band - Year 4	≤	\$650	year	
Fine Arts	Color Guard Year 1-4	≤	\$850	year	
Fine Arts	Jazz Band 1-4	≤	\$250	year	
Fine Arts	Orchestra - Year 1	≤	\$250	year	
Fine Arts	Orchestra - Year 2	≤	\$250	year	
Fine Arts	Orchestra - Year 3	≤	\$250	year	
Fine Arts	Orchestra - Year 4	≤	\$250	year	
Fine Arts	Choir - Year 1	≤	\$70	year	
Fine Arts	Choir - Year 2	≤	\$70	year	
Fine Arts	Choir - Year 3	≤	\$70	year	
Fine Arts	Choir - Year 4	≤	\$70	year	
Fine Arts	theatre - Year 1	≤	\$40	year	
Fine Arts	theatre - Year 2	≤	\$40	year	
Fine Arts	theatre - Year 3	≤	\$40	year	
Fine Arts	theatre - Year 4	≤	\$40	year	
Fine Arts	Dance - Year 1	≤	\$50	year	Includes basic practice wear, choreography, and clinicians. Company and Crew include uniforms, clinicians, and required contest costs.
Fine Arts	Dance - Year 2	≤	\$50	year	
Fine Arts	Dance - Year 3	≤	\$50	year	
Fine Arts	Dance - Year 4	≤	\$50	year	
Fine Arts	Dance - Company	≤	\$200	year	
Fine Arts	Dance - Crew	≤	\$200	year	
Fine Arts	Dance - Team	≤	\$1,300	year	Includes costumes and apparel, choreography, show design, clinicians, required contest fees, summer camps, and prop construction.



Athletics Course Fees

Content	Course	Fee	Per	Notes
Athletics	Baseball (B)	\$50	year	
Athletics	Basketball (G)	\$50	year	
Athletics	Basketball (B)	\$50	year	
Athletics	Football	\$50	year	
Athletics	Soccer (G)	\$50	year	
Athletics	Soccer (B)	\$50	year	
Athletics	Wrestling (B)	\$50	year	
Athletics	Wrestling (G)	\$50	year	
Athletics	Track (B)	\$50	year	
Athletics	Track (G)	\$50	year	
Athletics	Swimming (B/G)	\$50	year	
Athletics	Volleyball (G)	\$50	year	
Athletics	Cross Country (B)	\$50	year	
Athletics	Cross Country (G)	\$50	year	
Athletics	Golf (B)	\$50	year	
Athletics	Golf (G)	\$50	year	
Athletics	Softball (G)	\$50	year	
Athletics	Tennis (B/G)	\$50	year	
Athletics	Water Polo (B/G)	\$50	year	

B=Boys
G=Girls

Course Index

<u>AP (Advanced Placement)</u>	<u>188</u>
<u>CTE (Career and Technical Education)</u>	<u>190</u>
<u>Dual Credit</u>	<u>200</u>
<u>Fine Arts</u>	<u>203</u>

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



AP Course Index

KEY

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FA = Fine Arts **SC** = Science **MC** = Math **LOTE** = Languages Other Than English

PR - Prerequisite required.

App - Approval process required. The approval process varies by course. The process may include a student interest survey and/or instructor/counselor recommendation.

OE-College Board Open Enrollment Policy

ADVANCED PLACEMENT® COURSE TITLE	Course	Cr	9th	10th	11th	12th	Core	PR	
AP CAPSTONE DIPLOMA PROGRAM									
AP Seminar		1		✓	✓	✓	ELEC	PR	App
AP Research		1			✓	✓	ELEC	PR	App
FINE ARTS									
AP 2-D Art and Design	3132	1			✓	✓	FA	PR	OE
AP 3-D Art and Design	3134	1			✓	✓	FA	PR	OE
Art History	3136P	1			✓	✓	FA	PR	OE
AP Drawing	3131	1			✓	✓	FA	PR	OE
AP Music Theory	3821	1			✓	✓	FA	PR	OE
ENGLISH									
AP English Language and Composition	0135	1			✓		ELA	PR	OE
AP English Literature and Composition	0145	1				✓	ELA	PR	OE
HISTORY AND SOCIAL SCIENCES									
AP Comparative Government and Politics		1				✓	SS	PR	OE
AP European History	0226	1		✓	✓	✓	SS	PR	OE
AP Human Geography	0238	1	✓	✓	✓	✓	SS	PR	OE
AP Macroeconomics	0256	.5			✓	✓	SS	PR	OE
AP Microeconomics	0255	.5			✓	✓	SS	PR	OE
AP Psychology	0262	.5		✓	✓	✓	SS	PR	OE
AP US Government and Politics	0245	.5			✓	✓	SS	PR	OE
AP United States History	0215	1		✓	✓	✓	SS	PR	OE
AP World History: Modern	0224	1	✓	✓			SS	PR	App

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



ADVANCED PLACEMENT® COURSE TITLE	Course	Cr	9th	10th	11th	12th	Core	PR	
MATH AND COMPUTER SCIENCE									
AP Calculus AB	0365	1			✓	✓	MC	PR	OE
AP Calculus BC	0367	1			✓	✓	MC	PR	OE
AP Computer Science A	4901	2		✓	✓	✓	MC & LOT E	PR	OE
AP Computer Science Principles	4902	1	✓	✓			LOT E	PR	OE
AP Statistics	0397	1		✓	✓	✓	MC	PR	OE
SCIENCES									
AP Biology	0425	1		✓	✓	✓	SC	PR	OE
AP Chemistry	0435	1		✓	✓	✓	SC	PR	OE
AP Environmental Science	0465	1			✓	✓	SC	PR	OE
AP Physics 1: Algebra-Based	0445	1		✓	✓	✓	SC	PR	OE
AP Physics 2: Algebra-Based	0448	1			✓	✓	SC	PR	OE
AP Physics C: Electricity and Magnetism	0449	1			✓	✓	SC	PR	App
AP Physics C: Mechanics	0449	1			✓	✓	SC	PR	App
WORLD LANGUAGES AND CULTURE									
AP Chinese Language and Culture		1				✓	LOT E	PR	OE
AP French Language and Culture	2620	1	✓	✓	✓	✓	LOT E	PR	OE
AP German Language and Culture	2627	1				✓	LOT E	PR	OE
AP Italian Language and Culture		1				✓	LOT E	PR	App
AP Japanese Language and Culture		1				✓	LOT E	PR	App
AP Latin	2637	1			✓	✓	LOT E	PR	App
AP Spanish Language and Culture	2609	1	✓	✓	✓	✓	LOT E	PR	OE
AP Spanish Literature and Culture	2600	1	✓	✓	✓	✓	LOT E	PR	OE

College Board Open Enrollment Policy: All motivated and academically prepared students who want to take AP courses should be allowed to do so.



CTE Course Index

School Year 2024-2025

Career & Technical Education, Journalism & JROTC

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

KEY:

Core - This course receives core credit. See counselor for detailed information.

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PR - Prerequisite required.

App - Approval process required. The approval process varies by course. The process may include a student interest survey and/or instructor/counselor recommendation.

Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
AC/DC ELECTRONICS	963818	10	1	5	Principles of Applied Engineering		
AC/DC ELECTRONICS DUAL CREDIT	9640DC18	10	1	6	Approval Process		APP
ACCOUNTING I	916218	10 thru 12	1	5	None		
ACCOUNTING I DUAL CREDIT - KFHS ONLY	9162DC18	10 thru 12		6	None		
ACCOUNTING II	916418	11 thru 12	1	5.5	Accounting I	MC	
ADVANCED ANIMAL SCIENCE	907018	11 thru 12	1	5.5	Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications	SC	
ADVANCED ANIMAL SCIENCE DUAL CREDIT	9070DCB18	11 thru 12	1	6	Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry and Small Animal and Equine Science or Livestock & Poultry Production or Vet Med Applications	SC	
ADVANCED CULINARY ARTS	936418	11 thru 12	2	5.5	Culinary Arts		
ADVANCED FLORAL DESIGN	905718	11 thru 12	1	5	Floral Design		
ADVANCED JOURNALISM: BROADCAST 1	176	9 thru 12	1	5.5	Journalism 1 or Photojournalism and/or Sponsor Approval		APP
ADVANCED JOURNALISM: BROADCAST 2	177	10 thru 12	1	5.5	Advanced Journalism: Broadcast 1 and Sponsor Approval		APP
ADVANCED JOURNALISM: BROADCAST 3	178	11 thru 12	1	5.5	Advanced Journalism: Broadcast 2 and Sponsor Approval		APP
ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 1	194	9 thru 12	1	5.5	Journalism 1 or Photojournalism, and/or Sponsor Approval		APP



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 2	195	10 thru 12	1	5.5	Advanced Journalism Newspaper Production 1 and Sponsor Approval		APP
ADVANCED JOURNALISM: NEWSPAPER PRODUCTION 3	196	12	1	5.5	Advanced Journalism Newspaper Production 2 and Sponsor Approval		APP
ADVANCED JOURNALISM: YEARBOOK 1	191	9 thru 12	1	5.5	Journalism 1 or Photojournalism and/or Sponsor Approval		APP
ADVANCED JOURNALISM: YEARBOOK 2	192	10 thru 12	1	5.5	Advanced Journalism: Yearbook 1 and Sponsor Approval		APP
ADVANCED JOURNALISM: YEARBOOK 3	193	11 thru 12	1	5.5	Advanced Journalism: Yearbook 2 and Sponsor Approval		APP
ADVANCED LEGAL SKILLS AND PROFESSIONS	960918	11 thru 12	1	5	Court Systems and Practices		
ADVANCED MARKETING	960018	12	2	5	Sports & Entertainment Marketing/ II or Social Media Marketing/ Advertising		
ADVANCED PLANT & SOIL SCIENCE	907118	11 thru 12	1	5.5	Floral Design or Horticulture Science/DC and Biology, Integrated Physics and Chemistry, Chemistry, or Physics, Algebra 1 and Geometry	SC	
ADVANCED VIDEO GAME PROGRAMMING	906018	11 thru 12	1	5.5	Video Game Programming		
ADVERTISING	959518	10 thru 12	0.5	5	Sports and Entertainment Marketing and Fashion Marketing		
AGRICULTURAL MECHANICS & METAL TECHNOLOGIES	906118	10 thru 11	1	5	None		
AGRICULTURAL STRUCTURES DESIGN & FABRICATIONS/LAB	907918	11 thru 12	2	5	Agriculture Mechanics and Metal Technologies		
ANATOMY & PHYSIOLOGY	927118	10 thru 12	1	6.0	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	
ANATOMY & PHYSIOLOGY DUAL CREDIT	9271DC18	10 thru 12	1	6	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	APP
ANATOMY & PHYSIOLOGY DUAL CREDIT- MEDICAL SCIENCE -KLEIN HIGH	9275DC18	10	2	6	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	APP
ANIMATION I	947618	10 thru 11	1	5	Principles of Animation		
ANIMATION II/LAB	947718	11 thru 12	2	5.5	Animation I		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
AP COMPUTER SCIENCE A	4901 4901L (LOTE)	10 thru 12	2	6	Computer Science Klein Prep (KP)		
AP COMPUTER SCIENCE PRINCIPLES	4902	9 thru 10	1	6	Algebra 1		
ARCHITECTURAL DESIGN I	947218	10 thru 11	1	5	Principles of Architecture		
ARCHITECTURAL DESIGN II	947318	11 thru 12	2	5.5	Architectural Design I		
AUDIO/VIDEO PRODUCTION I	915218	10 thru 11	1	5	Principles of Audio/Video Production		
AUDIO/VIDEO PRODUCTION II	915918	11 thru 12	1	5	A/V Production I		
AUTOMOTIVE BASICS	961118	9 thru 10	1	5	None		
AUTOMOTIVE TECHNOLOGY I	961218	10 thru 11	2	5	Automotive Basics (Recommended)		APP
AUTOMOTIVE TECHNOLOGY I DUAL CREDIT	9613DC18	10 thru 11	2	6	Automotive Basics (Recommended)		APP
AUTOMOTIVE TECHNOLOGY II	961418	11 thru 12	2	5.5	Automotive Technology I		
AUTOMOTIVE TECHNOLOGY II DUAL CREDIT	9615DC18	11 thru 12	2	6	Automotive Technology I		
COSMETOLOGY CAREERS	965418	12	2	5	Successful completion of Cosmetology I and a minimum of 450 hours		
BUSINESS INFORMATION MANAGEMENT I	914418	9 thru 12	1	5	None		
BUSINESS INFORMATION MANAGEMENT II	915618	10 thru 12	1	5.5	Business Information Management I		
BUSINESS INFORMATION MANAGEMENT II DUAL CREDIT	9156DC18	10 thru 12	1	6	Business Information Management I		APP
BUSINESS LAW	917318	10 thru 12	1	5	None		
BUSINESS LAW DUAL CREDIT	9173DC18	10 thru 12	1	6	None		APP
BUSINESS MANAGEMENT	912518	11 thru 12	1	5	Business Law/Business Law DC or Business Information Management II/ Business Information Management II DC		
BUSINESS MANAGEMENT DUAL CREDIT -KFHS	9173DC18	11 thru 12	1	6	Business Law/Business Law DC or Business Information Management II/ Business Information Management II DC		
CAREER PREPARATION I	967718	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP
CAREER PREPARATION II	967918	11 thru 12	2	5	At least 16 years of age and valid work documentation (such as a Social Security card) and Approval Process		APP

Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
CHILD DEVELOPMENT	933518	10 thru 11	1	5	None		
CHILD DEVELOPMENT DUAL CREDIT FOR HQT -KCHS	9335DC18	10 thru 11	1	6	None		
CHILD GUIDANCE	933618	11 thru 12	2	5.5	Child Development and Approval Process		APP
COMPUTER AIDED DRAFTING FOR GIS/LAND SURVEYING-KCHS	9464DC18	10	1	6	Principles of Applied Engineering		APP
COMPUTER SCIENCE - IB HL	3428	12 thru 12	2	6	IB Requirements	MC/LOTE	APP
COMPUTER SCIENCE - IB SL	3426	11 thru 12	1	6	IB Requirements	MC/LOTE	APP
COMPUTER SCIENCE 1	4900	9 thru 11	1	5.5	Algebra 1		
COMPUTER SCIENCE 2	4903	10 thru 12	1	5.5	Computer Science 1 or KP Computer Science 1	LOTE	
COMPUTER SCIENCE 3	4906	11 thru 12	1	5.5	Computer Science II, AP Computer Science A		
COMPUTER SCIENCE KIEIN PREP (KP)	4900Q	9 thru 11	1	6	Algebra 1	MC/LOTE	
CONSTRUCTION TECHNOLOGY I	961818	10 thru 11	2	5	None		
CONSTRUCTION TECHNOLOGY II	962018	11 thru 12	2	5.5	Construction Technology I		
CORRECTIONAL SERVICES	963318	11 thru 12	1	5	Law Enforcement I		
CORRECTIONAL SERVICES DC	9633DC18	11 thru 12	1	6	Federal Law & Protective Services or Criminal Investigations		APP
COSMETOLOGY I /LAB	962618	11	3	5	Approval Process		APP
COSMETOLOGY II/LAB	962418	12	2	5.5	Successful completion of Cosmetology I and a minimum of 450 hours		
COURT SYSTEMS & PRACTICES	963418	10 thru 11	1	5	Law Enforcement I		
COURT SYSTEMS & PRACTICES DC	9634DC18	10 thru 11	1	6	Law Enforcement I		
CRIMINAL INVESTIGATION	963618	10 thru 11	1	5	Law Enforcement I		
CULINARY ARTS	935018	10 thru 11	2	5	None		
CYBERSECURITY CAPSTONE	946318	12	1	6.0	Digital Forensics		
DIGITAL DESIGN MEDIA PRODUCTION (Intermediate)	4922J	7 thru 8	1	5	Ability to work independently		
DIGITAL FORENSICS	946118	11 thru 12	1	5.5	AP Computer Science Principles or AP Computer Science A		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
ELECTRICAL ENGINEERING CAPSTONE	945918	12	1	6	Solid State Electronics		
ELECTRICAL TECHNOLOGY I DUAL CREDIT	9605DC18	11	1	6	AC/DC Electronics Dual Credit Recommended Prerequisite: Strong Math and Reading skills		APP
ELECTRICAL TECHNOLOGY II DUAL CREDIT	9606DC18	12	2	6	2.0 Credits Prerequisite: Electrical Technology I Dual Credit		APP
ENERGY AND NATURAL RESOURCES	904818	11 thru 12	1	5	Wildlife, Fisheries & Ecology Management		
ENGINEER YOUR WORLD	949018	11 thru 12	1	5.5	Engineering Design and Presentation I		
ENGINEERING DESIGN & PRESENTATION I	947418	10 thru 11	1	5	Principles of Applied Engineering		
ENGINEERING DESIGN & PRESENTATION II	936818	11 thru 12	2	5.5	Engineering Design and Presentation I		
ENTREPRENEURSHIP	959418	10 thru 11	1	5	Recommended: Principles of Business, Marketing & Finance		
ENTREPRENEURSHIP II	959318	11 thru 12	1	5	Entrepreneurship		
EQUINE SCIENCE	907218	10 thru 11	0.5	5	None		
EXERCISE SCIENCE & WELLNESS CAPSTONE	928918	12	1	5	Kinesiology II		
EXTENDED CAREER PREPARATION	967618	11 thru 12	3	5	At least 16 years of age and valid work documentation (such as a social Security card) and Approval Process.		
FAMILY & COMMUNITY SERVICES	932618	11 thru 12	1	5	Human Growth & Development		
FASHION DESIGN I	935618	10 thru 11	1	5	None		
FASHION DESIGN II & LAB	935918	11 thru 12	2	5.5	Fashion Design I		
FEDERAL LAW ENFORCEMENT & PROTECTIVE SERVICES	963718	10 thru 11	1	5	Law Enforcement I		
FINANCIAL ANALYSIS	918618	12	1	5.5	Accounting II		
FINANCIAL MATHEMATICS	919018	10 thru 12	1	5	Algebra I	MC	
FLORAL DESIGN	905318	10 thru 12	1	5	None	FA	
FOOD TECHNOLOGY & SAFETY	906718	10 thru 12	1	5	None		
FORENSIC PSYCHOLOGY	965318	11 thru 12	1	5	Criminal Investigations		
FORENSIC SCIENCE	963518	11 thru 12	1	5.5	Law Enforcement I and Biology I and Chemistry I	SC	
FOUNDATIONS OF CYBERSECURITY	946218	9 thru 10	1	5	None		
FUNDAMENTALS OF COMPUTER SCIENCE	9141J18	7 thru 8	1	5	None		
GEOGRAPHICAL INFORMATION SYSTEMS DUAL CREDIT- KCHS	9466DC18	10	1	6	Computer Aided Drafting/Basic Computer Aided Drafting		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
HEALTH SCIENCE THEORY	926318	11	1	5.5	Principles of Health Science and Medical Terminology Recommended Prerequisite: Anatomy and Physiology		
HORTICULTURE SCIENCE	905018	10 thru 11	1	5	Principles of Agriculture, Food & Natural Resources Or Floral Design		
HORTICULTURE SCIENCE DUAL CREDIT	9050DC18	10 THRU 11	1	6	Principles of Agriculture, Food & Natural Resources Or Floral Design		
HUMAN GROWTH & DEVELOPMENT	932818	10 thru 11	1	5	None		
HVAC & REFRIGERATION TECHNOLOGY I	962118	10 thru 11	1	5	None		
HVAC & REFRIGERATION TECHNOLOGY II	962318	11 thru 12	2	5.5	HVAC & Refrigeration Technology I		
IB COMPUTER SCIENCE HL	3428	11 thru 12	1	6	One credit of computer science		
IB COMPUTER SCIENCE SL	3426	11 thru 12	1	6	One credit of computer science		
INDEPENDENT STUDY IN COMPUTER SCIENCE I	4907	11 thru 12	1	5.5	Computer Science AP or Computer Science 3		
INDEPENDENT STUDY IN COMPUTER SCIENCE II	4908	12	1	5.5	Independent Study in Computer		
INDEPENDENT STUDY OF JOURNALISM	0156, 0157, 0159	11 thru 12	1	5.5	Sponsor Approval and completion of Advanced Journalism		APP
INSTRUCTIONAL PRACTICES IN EDUCATION & TRAINING	933318	11 thru 12	2	5.5	Human Growth & Development or Child Development		APP
INTERIOR DESIGN I	936018	10 thru 11	1	5	Principles of Architecture (Recommended)		
INTERIOR DESIGN II	936118	11 thru 12	2	5.5	Interior Design I		
INTERPERSONAL STUDIES	933018	9 thru 12	0.5	5	None		
INTRODUCTION TO WELDING	966718	9 thru 10	1	5	None		
JOURNALISM 1	150	9 thru 12	1	5	Mastery of State Writing Assessment		
KINESIOLOGY I	928518	10 thru 11	1	5	Principles of Exercise Science & Wellness		
KINESIOLOGY II	928818	11 thru 12	1	5	Kinesiology I		
LAND SURVEYING DUAL CREDIT-KCHS	9467DC18	11	1	6	Geospatial Engineering and Land Surveying Program		APP
LAW ENFORCEMENT I	963018	9 thru 10	1	5	None		
LAW ENFORCEMENT II	963118	11 thru 12	1	5	Federal Law & Protective Services or Criminal Investigations		
LIFETIME NUTRITION & WELLNESS	934818	9 thru 12	0.5	5	None		
LIVESTOCK & POULTRY PRODUCTION	906918	10 thru 11	1	5	None		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
MARKETING	959118	9 thru 10	1	5	None		
MEDICAL MICROBIOLOGY	928118	11 thru 12	1	6.0	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.	SC	
MEDICAL MICROBIOLOGY DC	9281DC18	11 thru 12	1	6	Biology I and Chemistry I Recommended Prerequisite: Principles of Health Science, Medical Terminology and/or Anatomy & Physiology.	SC	APP
MEDICAL TERMINOLOGY	927818	10	1	5	Principles of Health Science OR Concurrent Enrollment in Principles of Health Science 935018		
MEDICAL TERMINOLOGY FOR MEDICAL SCIENCES- KHS	900018	9	1	5			APP
MONEY MATTERS	918318	9 thru 10	1	5	None		
OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY I	967218	10 thru 11	1	5	None		
OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY II	967418	11 thru 12	2	5	Outdoor Power Equipment & Small Engine Technology I		
PATHOPHYSIOLOGY	928218	11 thru 12	1	6.0	Anatomy and Physiology Recommended Prerequisite: Principles of Health Science and Medical Terminology	SC	
PHARMACOLOGY	926718	11	1	5	Principles of Health Science Recommended Prerequisite: Medical Terminology		
PHOTOJOURNALISM	158	9 thru 11	0.5	5	Sponsor Approval		
PRACTICUM IN ANIMATION	949218	12	2	6.0	Animation II		
PRACTICUM IN APPLIED AGRICULTURE ENGINEERING	908618	12	2	5.5	Ag Structures Design and Fabrication		
PRACTICUM IN ARCHITECTURAL DESIGN	947518	12	2	6.0	Architectural Design II		
PRACTICUM IN AUDIO/VIDEO PRODUCTION	915418	12	2	5.5	A/V Production II		
PRACTICUM IN AUTOMOTIVE TECHNOLOGY	961918	12	2	5.5	Automotive Technology II		
PRACTICUM IN BUSINESS MANAGEMENT	912618	12	2	5.5	Business Management or Global Business and HR Management if previously taken		
PRACTICUM IN COMPUTER SCIENCE	946018	12	2	6.0	AP Computer Science A		
PRACTICUM IN COMPUTER SCIENCE DUAL CREDIT	###	12	2	6	AP Computer Science A		
PRACTICUM IN CONSTRUCTION TECHNOLOGY	961718	12	2	5.5	Construction Technology II		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
PRACTICUM IN CULINARY ARTS	935218	12	2	5.5	Advanced Culinary Arts		
PRACTICUM IN EARLY LEARNING	933818	12	2	5.5	Child Guidance and Approval Process		
PRACTICUM IN EDUCATION AND TRAINING	933418	12	2	5.5	Instructional Practices in Education and Training		APP
PRACTICUM IN ENGINEERING DESIGN	936918	12	2	6.0	Engineering Design and Presentation II		
PRACTICUM IN ENTREPRENEURSHIP	959718	12	2	5.5	Entrepreneurship II		
PRACTICUM IN FAMILY & COMMUNITY SERVICES	932718	12	2	5.5	Family and Community Services		
PRACTICUM IN FASHION DESIGN	936318	12	2	5.5	Fashion Design II and Lab		
PRACTICUM IN FORENSIC SCIENCE	964318	12	2	6	Forensic Science		
PRACTICUM IN HEALTH SCIENCE - CERTIFIED PHARMACY TECHNICIAN	927718	12	2	6.0	Health Science Theory and Pharmacology		APP
PRACTICUM IN HEALTH SCIENCE - CLINICAL	927918	12	2	6.0	Health Science Theory and Anatomy and Physiology		APP
PRACTICUM IN HEALTH SCIENCE - CNA	927418	12	2	6.0	Health Science Theory and Anatomy & Physiology and CPR Certification Approval Process		APP
PRACTICUM IN HEALTH SCIENCE - EMT	927618	12	2	6.0	Health Science Theory and Anatomy and Physiology Recommended Prerequisite: Pharmacology Age Requirement: Students must be 18 years of age on or before May 1, of their 12th grade year. Students who do not meet the age requirement by a few days may submit the interest form for consideration of acceptance if space is available		APP
PRACTICUM IN HEALTH SCIENCE- DIAGNOSTICS	926218	12	2	5.5	Health Science Theory and Anatomy and Physiology		
PRACTICUM IN HORTICULTURE & FLORAL DESIGN	905218	12	2	5.5	Advanced Floral Design Or Advanced Plant & Soil Science		
PRACTICUM IN HVAC & REFRIGERATION	962518	12	2	5.5	HVAC & Refrigeration Technology II		
PRACTICUM IN INTERIOR DESIGN	936218	12	2	5.5	Interior Design II		
PRACTICUM IN LAW ENFORCEMENT	962918	12	2	5.5	Law Enforcement I and 1 Upper Level Criminal Justice Course		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
PRACTICUM IN LEGAL STUDIES	964818	12	2	5.5	Advanced Legal Skills and Professions or Business Law and Court Systems ; Approval Process		
PRACTICUM IN OUTDOOR POWER EQUIPMENT & SMALL ENGINE TECHNOLOGY	967118	12	2	5.5	Outdoor Power Equipment & Small Engine Technology II		
PRACTICUM IN ROBOTICS	966418	12	2	5.5	Robotics II		
PRACTICUM IN STEM-GEOSPATIAL/LAND SURVEYING DUAL CREDIT KCHS	9468DC18	12	2	6.0	Raster Based GIS Dual Credit		
PRACTICUM IN VIDEO GAME PROGRAMMING & DESIGN	949418	12	2	5.5	Advanced Video Game Programming		
PRACTICUM IN WELDING	966918	12	2	5.5	Welding II		APP
PRACTICUM VETERINARY MEDICAL ASSISTING	907618	12	2	6.0	Veterinary Medical Applications and Approval Process		APP
PRINCIPLES OF AGRICULTURE, FOOD, & NATURAL RESOURCES	904018	9 thru 10	1	5	None		
PRINCIPLES OF ANIMATION	949318	9 thru 10	1	5	Recommended Digital Design and Media Production		
PRINCIPLES OF APPLIED ENGINEERING	947018	9 thru 10	1	5	Strong Math Skills		
PRINCIPLES OF ARCHITECTURE	948118	9 thru 10	1	5	None		
PRINCIPLES OF AUDIO/VIDEO PRODUCTION	949518	9 thru 10	1	5	None		
PRINCIPLES OF BUSINESS, MARKETING & FINANCE	916618	8 thru 10	1	5	None		
PRINCIPLES OF BUSINESS, MARKETING & FINANCE (Intermediate)	9166J18	8	1	5	None		
PRINCIPLES OF CONSTRUCTION	961618	9 thru 10	1	5	None		
PRINCIPLES OF EDUCATION & TRAINING	932918	9 thru 10	1	5	None		
PRINCIPLES OF EXERCISE SCIENCE & WELLNESS	926118	9 thru 10	1	5	None		
PRINCIPLES OF HEALTH SCIENCE	927018	9 thru 10	1	5	Biology I or Concurrent Enrollment		
PRINCIPLES OF HEALTH SCIENCE FOR MEDICAL SCIENCE DUAL CREDIT-KLEIN HIGH	9265DC18	10	1	6	Medical Science Accelerated College Program		APP
PRINCIPLES OF HOSPITALITY & TOURISM	935118	9 thru 10	1	5	None		
PRINCIPLES OF HUMAN SERVICES	933118	7 thru 9	1	5	None		
PRINCIPLES OF HUMAN SERVICES (Intermediate)	9331J18	7 thru 8	1	5	None		
PRINCIPLES OF HVAC	961618	9 thru 10	1	5	None		
PRINCIPLES OF INFORMATION TECHNOLOGY (Intermediate)	9332J18	7 thru 8	1	5	None		
PROFESSIONAL COMMUNICATIONS (Intermediate)	9700J18	7 thru 8	0.5	5	None		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Course Name	KISD Code	Grade	Credits	Grade Points	Prerequisites	Core	APP
RASTER BASED GEOGRAPHICAL INFORMATION	9465DC18	11	2	6	Computer Aided Drafting/Basic Computer-Aided Drafting and Geographic Information Systems DC/Intro to GIS		APP
ROBOTICS I	964118	10 thru 11	1	5	Principles of Applied Engineering		
ROBOTICS II	964218	11 thru 12	1	5.5	Robotics I		
ROTC 1				5			APP
ROTC 2				5			APP
ROTC 3				5			APP
ROTC 4				5			APP
SCIENTIFIC RESEARCH AND DESIGN IN NATURAL RESOURCES	946918	12	1	5.5	Environmental		
SECURITIES AND INVESTMENTS	918418	11 thru 12	1	5	None		
SMALL ANIMAL MANAGEMENT	907718	10 thru 11	0.5	5	None		
SOCIAL MEDIA MARKETING	959218	10 thru 12	0.5	5	Sports and Entertainment Marketing and Fashion Marketing		
SOLID STATE ELECTRONICS	963918	11 thru 12	1	5.5	AC/DC Electronics		
SPORTS & ENTERTAINMENT MARKETING	958818	10 thru 11	0.5	5	Marketing		
SPORTS AND ENTERTAINMENT MARKETING II	958918	10 thru 11	0.5	5	Sports and Entertainment Marketing and Fashion Marketing		
STEM ESSENTIALS (Intermediate)	9485J18	7 thru 8	0.5	5	Strong Math and Science Skills		
VETERINARY MEDICAL APPLICATIONS	907418	11 thru 12	1	5.5	Small Animal and Equine Science or Livestock & Poultry Production		
VIDEO GAME DESIGN	915118	9 thru 10	1	5	None		
VIDEO GAME PROGRAMMING	915518	10 thru 11	1	5	Video Game Design		
WEB COMMUNICATIONS (Intermediate)	9486J18	7 thru 8	0.5	5	None		
WELDING I	966818	10 thru 11	2	5	None		
WELDING II	967018	11 thru 12	2	5.5	Welding I		
WILDLIFE, FISHERIES & ECOLOGY MANAGEMENT	904618	10 thru 11	1	5	None		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



DC Course Index

*Note: All dual credit courses have prerequisites that varies by course. Please contact high school counselor
Students enrolled in these courses may be expected to purchase the required textbook.

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Advanced Animal Science	9070DCA18/DCB18	1	Tarleton: ANSC 1319/1119	4 Hours			✓	✓
Art	3100DC	0.5	<u>ARTS 1301</u>	3 hours	✓	✓	✓	✓
Art 1 History	3136DCA/DCB	1	<u>ARTS 1303</u> <u>ARTS 1304</u>	3 hours 3 hours				
Art 2	3104DC	0.5	<u>ARTS 1301</u>	3 hours				
Anatomy & Physiology	927118AH 9271DC18	1	<u>BIOL 2401</u>	4 hours			✓	✓
Automotive Technology I	9613DCA/DCB	2	<u>AUMT 1405</u> <u>AUMT 1407</u>	4 hours 4 hours			✓	✓
Automotive Technology II	9615DC18	2	<u>AUMT 1410</u> <u>AUMT 1416</u>	4 hours 4 hours			✓	✓
Biology	0425DA/DCB	1	<u>BIOL 1406</u> <u>BIOL 1407</u>	4 hours 4 hours			✓	✓
Business Information Management II	9156DC18/BH	1	<u>BUSI 1305</u>	3 hours		✓	✓	✓
Business Law	917318AH/DC18	1	<u>BUSI 2301</u>	3 hours		✓	✓	✓
Chemistry	0431AH/0431DC	1	<u>CHEM 1405</u>	4 hours			✓	✓
Chemistry	0434AH/0434DC	1	<u>CHEM 1411</u>	4 hours			✓	✓
College Algebra	0389A/0389DC	1	<u>Math 1314</u>	3 hours				✓
College Readiness and Study Skills	9927DC	.5	<u>EDUC 1300</u>	3 hours		✓	✓	✓
Correctional Services	963318AH/9633DC18	1	<u>CRIJ 2313</u>	3 hours			✓	✓
Court Systems & Practice	963418AH/9634DC18	1	<u>CRIJ 1306</u>	3 hours			✓	✓
Dance Appreciation	3970DC	0.5	<u>DANC 2303</u>	3 hours		✓	✓	✓
Economics	0251DC	0.5	<u>ECON 2302</u>	3 hours			✓	✓
English 3	0131DCA/DCB	1	<u>ENGL 1301</u> <u>ENGL 1302</u>	3 hours 3 hours			✓	
English 4	0414DCA/DCB	1	<u>ENG 2322</u> <u>ENG 2323</u>	3 hours 3 hours				✓
Environmental Science	0465AH/0465DC	1	<u>ENVR 1401</u>	4 hours			✓	✓
Government	0241DC	0.5	<u>GOVT 2305</u>	3 hours			✓	✓
Horticulture Science	9050DCA/ DCB	1	Tarleton: HORT 1301	3 hours		✓	✓	

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Physics	0441AH/ 0441DC	1	<u>PHYS 1401</u>	4 hours			✓	✓
Physics 2	0442DC	0.5	<u>PHYS 1402</u>	4 hours			✓	✓
Pre-Calculus	0360AH/DC	1	<u>MATH 2412</u>	4 hours			✓	✓
Psychology	0260DC	0.5	<u>PSYC 2301</u>	3 hours			✓	✓
Public Speaking 1	0190DC	0.5	<u>SPCH 1315</u>	3 hours	✓	✓	✓	✓
Practicum in Computer Science	9460DCA/ DCB	2	<u>COSC 1436</u> <u>COSC 1437</u> <u>COSC 2436</u>	4 hours 4 hours 4 hours				✓
Sociology	0261DC	0.5	<u>SOCI 1301</u>	3 hours			✓	✓
Speech	0189DC	0.5	<u>SPCH 1311</u>	3 hours	✓	✓	✓	✓
Statistics	0397DC	0.5	MATH 1342	3 hours			✓	✓
Texas Government	0246DC	0.5	<u>GOVT 2306</u>	3 hours			✓	✓
US History	0211DCA/DCB	1	<u>HIST 1301</u> <u>HIST 1302</u>	3 hours 3 hours		✓	✓	✓

*Note: These CTE dual credit courses below are only available to students accepted to the indicated college programs. All dual credit courses have prerequisites which varies by course. Please contact the high school

Geospatial Engineering and Land Survey College Program – Klein Collins High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Computer Aided Drafting for GIS/Land Surveying	9464DC18	1	<u>DFTG 1309</u>	3 hours		✓		
Geographic Information Systems	9466DC18	1	GISC 1470 GISC 2301	4 hours 3 hours		✓		
Land Surveying	9467DC18	1	<u>SRVY 1301</u>	3 hours			✓	
Practicum in Stem-Geospatial/Land Surveying	9468DC18	2	GISC 2470 GISC 3412	4 hours 4 hours				✓
Raster Based GIS	9465DC18	1	GISC 1336 GISC 3421	3 hours 4 hours			✓	

Global Business College Program – Klein Forest High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Accounting I	916218AH 9162DC18	1	<u>ACNT 1303</u>	3 hours			✓	
Business Management II	9125DC18 912518BH	1	<u>BMGT 1327</u>	3 hours			✓	✓

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



*Note: These CTE dual credit courses below are only available to students accepted to the indicated college programs. All dual credit courses have prerequisites which varies by course. Please contact the high school counselor.

Electrical Technology College Program – Klein Forest High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
AC/DC Electronics	9640DCA/DCB	1	<u>ELPT 1321</u> <u>ELPT 1311</u>	3 hours 3 hours		✓		
Electrical Technology I (Klein Forest only)	9605DCA/DCB	1	<u>ELPT 1325</u> <u>ELPT 1329</u> <u>ELPT 1315</u>	3 hours 3 hours 3 hours			✓	
Electrical Technology II (Klein Forest only)	9606DCA/DCB	2	<u>ELPT 2325</u> <u>ELPT 1345</u> <u>DFGT 2307</u>	3 hours 3 hours 3 hours				✓

Medical Sciences College Program – Klein High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
Anatomy & Physiology	9275DCA/DCB	1	BIOL 2401 BIOL 2402	4 hours 4 hours			✓	✓
Medical Microbiology	9281DCA/DCB	1	<u>BIOL 2420</u> <u>BIOL 2421</u>	4 hours 4 hours				✓

Future Teachers College Program – Klein Collins High School

Dual Credit Course Title	KISD Course #	HS Credit	Lone Star College Course #	College Hours	9th	10th	11th	12th
HQT Child Development	9335DCA/DCB	1	<u>TECA 1354</u>	3 hours		✓	✓	

Fine Arts Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Choral Music 1	3610	9-12	1	5	none		
Choral Music 2	3620	10-12	1	5	Choral Music 1		
Choral Music 3	3630	11-12	1	5	Choral Music 2		
Choral Music 4	3640	12	1	5.5	Choral Music 3		
Vocal Ensemble 1	3650	9-12	1	5	none		
Vocal Ensemble 2	3651	10-12	1	5	Vocal Ensemble 1		
Vocal Ensemble 3	3652	11-12	1	5	Vocal Ensemble 2		
Vocal Ensemble 4	3653	12	1	5.5	Vocal Ensemble 3		
Applied Music 1	3810	10-12	1	5			
Applied Music 2	3811	11-12	1	5	Applied Music 1		
Varsity Band 1	3510	9-12	1	5			
Varsity Band 2	3511	10-12	1	5			
Varsity Band 3	3512	11-12	1	5			
Concert Band 1	3520	9-12	1	5			
Concert Band 2	3521	10-12	1	5			
Concert Band 3	3522	11-12	1	5			
Concert Band 4 (Ad)	3533	12	1	5.5			
Symphonic Band 1	3531	9-12	1	5			

Fine Arts Courses

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Symphonic Band 2	3532	10-12	1	5			
Symphonic Band 3	3533	11-12	1	5			
Symphonic Band 4 (Ad)	3534	12	1	5.5			
Wind Ensemble	3541	9-12	1	5			
Wind Ensemble	3542	10-12	1	5			
Wind Ensemble	3543	11-12	1	5			
Wind Ensemble (Ad)	3544	12	1	5.5			
Mus 1 Jazz Band	3546	9-12	1	5			
Mus 2 Jazz Band	3547	10-12	1	5			
Mus 3 Jazz Band	3548	11-12	1	5			
Mus 4 Jazz Band (Ad)	3549	12	1	5.5			
Art 1	3100	9-12	1	5	None		
Art 2 Drawing	3104	9-12	1	5	Art I		
Art 2 Digital Art and Media	3109	9-12	1	5	Art I		
Art 2 Painting	3105	9-12	1	5	Art I		
Art 2 Photography	3106	9-12	1	5	Art I		
Art 2 Ceramics	3107	9-12	1	5	Art I		
Art 2 Sculpture	3108	9-12	1	5	Art I		



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Art 3 Digital Art and Media	3117	10-12	1	5	Art II		
Art 4 Drawing	3121	10-12	1	5.5	Art III		
Art 4 Painting	3122	10-12	1	5.5	Art III		
Art 4 Ceramics	3124	10-12	1	5.5	Art III		
Art 4 Photography	3127	10-12	1	5.5	Art III		
Art 4 Sculpture	3125	10-12	1	5.5	Art III		
Art 4 Digital Art and Media	3128	10-12	1	5.5	Art III		
Art 4 Advanced Placement 2 D Portfolio	3132	10-12	1	6	Art III		
Art 4 Advanced Placement 3 D Portfolio	3134	10-12	1	6	Art III		
Art 4 Advanced Placement Drawing Portfolio	3131	10-12	1	6	Art III		
IB Art Design SL/HL	3466, 3465	11-12	1	6			
Art History Advanced Placement	3136P	11-12	1	6	None		
Camerata Orch 1	3701	9-12	1	5			APP
Camerata Orch 2	3702	10-12	1	5			APP
Camerata Orch 3	3703	11-12	1	5			APP
Camerata Orch 4 (Ad)	3704	12	1	5.5			APP
Sinfonietta Orch 1	3708	9-12	1	5			APP
Sinfonietta Orch 2	3709	10-12	1	5			APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Concert Orchestra 1	3710	9-12	1	5			APP
Concert Orchestra 2	3711	10-12	1	5			APP
Concert Orchestra 3	3712	11-12	1	5			APP
Concert Orchestra 4 (Ad)	3713	12	1	5.5			APP
Chamber Orchestra 1	3720	9-12	1	5			APP
Chamber Orchestra 2	3721	10-12	1	5			APP
Chamber Orchestra 3	3722	11-12	1	5			APP
Chamber Orchestra 4 (Ad)	3723	12	1	5.5			APP
Philharmonic Orchestra 1	3725	9-12	1	5			APP
Philharmonic Orchestra 2	3726	10-12	1	5			APP
Philharmonic Orchestra 3	3727	11-12	1	5			APP
Philharmonic Orchestra 4 (Ad)	3728	12	1	5.5			APP
Symphony Orchestra 1	3730	9-12	1	5			APP
Symphony Orchestra 2	3731	10-12	1	5			APP
Symphony Orchestra 3	3732	11-12	1	5			APP
Symphony Orchestra 4 (Ad)	3733	12	1	5.5			APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Concert Orchestra 3	3712	11-12	1	5			APP
Concert Orchestra 4 (Ad)	3713	12	1	5.5			APP
Chamber Orchestra 1	3720	9-12	1	5			APP
Chamber Orchestra 2	3721	10-12	1	5			APP
Chamber Orchestra 3	3722	11-12	1	5			APP
Chamber Orchestra 4 (Ad)	3723	12	1	5.5			APP
Philharmonic Orchestra 1	3725	9-12	1	5			APP
Philharmonic Orchestra 2	3726	10-12	1	5			APP
Philharmonic Orchestra 3	3727	11-12	1	5			APP
Philharmonic Orchestra 4 (Ad)	3728	12	1	5.5			APP
Symphony Orchestra 1	3730	9-12	1	5			APP
Symphony Orchestra 2	3731	10-12	1	5			APP
Symphony Orchestra 3	3732	11-12	1	5			APP
Symphony Orchestra 4 (Ad)	3733	12	1	5.5			APP
Practicum Music Education	3812	11-12	1	5	Must be enrolled in band, choir or orchestra program		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Music Theory AP	3821	11-12	1	6			
Theatre Arts 1	3299	9-12	1	5			
Theatre Arts 2	3300	10-12	1	5	Theatre Arts 1		
Theatre Arts 3	3301	11-12	1	5	Theatre Arts 2		
Theatre Arts 4	3302	12	1	5.5	Theatre Arts 3		
Theatre Production 1	3307	9-12	1	5			
Theatre Production 2	3308	10-12	1	5	Theatre Production 1		
Theatre Production 3	3309	11-12	1	5	Theatre Production 2		
Theatre Production 4	3310	12	1	5.5	Theatre Production 3		
Tech Theatre 1	3303	9-12	1	5			
Tech Theatre 2	3304	10-12	1	5	Tech Theatre 1		
Tech Theatre 3	3305	11-12	1	5	Tech Theatre 2		
Tech Theatre 4	3306	12	1	5.5	Tech Theatre 3		
Tech Theatre (S) 1	3311	9-12		5			
Tech Theatre (S) 2	3312	10-12		5			
Stagecraft	3313	10-12	1	5			
Advanced Stagecraft	3314	11-12	1	5	Stagecraft		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Theatre Management	3315	10-12	1	5			
Adv Theatre Management	3316	11-12	1	5	Theatre Management		
Principles of Dance I (PE & Non PE)	3900, 3900PE	9-12	1	5	None		
Principles of Dance II (PE & Non PE)	3901, 3901PE	10-12	1	5			
Principles of Dance III (PE & Non PE)	3902, 3902PE	10-12	1	5			
Principles of Dance IV (PE & Non PE)	3903, 3903PE	10-12	1	5.5			
Partners in Dance I (PE & Non PE)	3951, 3951PE	9-12	1	5	None		
Partners in Dance II (PE & Non PE)	3952, 3952PE	10-12	1	5	Dance I		
Partners in Dance III (PE & Non PE)	3953, 3953PE	10-12	1	5	Dance II		
Partners in Dance IV (PE & Non PE)	3954, 3954PE	10-12	1	5.5	Dance III		
Dance Crew I (PE & Non PE)	3915, 3915PE	9-12	1	5	None		APP
Dance Crew II (PE & Non PE)	3916, 3916PE	10-12	1	5	Crew I		APP
Dance Crew III (PE & Non PE)	3917, 3917PE	10-12	1	5	Crew II		APP
Dance Crew IV (PE & Non PE)	3918, 3918PE	10-12	1	5.5	Crew III		APP
Dance Company I (PE & Non PE)	3900C, 3900CPE	9-12	1	5	None		APP
Dance Company II (PE & Non PE)	3901C, 3901CPE	10-12	1	5	Company II		APP
Dance Company III (PE & Non PE)	3902C, 3902CPE	10-12	1	5	Company II		APP

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Dance Company IV (PE & Non PE)	3903C, 3903CP E	10-12	1	5.5	Company III		APP
Dance Team/Drill Team I (PE & Non PE)	3900T, 3900TP E	9-12	1	5	None		APP
Dance Team/Drill Team II (PE & Non PE)	3901T, 3901TP E	10-12	1	5	Team I		APP
Dance Team/Drill Team III (PE & Non PE)	3902T, 3902TP E	10-12	1	5	Team II		APP
Dance Team/Drill Team IV (PE & Non PE)	3903T, 3903TP E	10-12	1	5.5	Team III		APP
Dance Wellness I	3941	9-12	1	5	None		
Dance Wellness II	3942	10-12	1	5	Wellness I		
Dance Wellness III	3943	10-12	1	5	Wellness II		
Dance Wellness IV	3944	10-12	1	5.5	Wellness III		
Dance Composition & Improv I	3933	9-12	1	5	None		APP
Dance Composition & Improv II	3934	10-12	1	5	Improv I		APP
Dance Composition & Improv III	3935	10-12	1	5	Improv II		APP
Dance Composition & Improv IV	3936	10-12	1	5.5	Improv III		APP
IB World Dance	3464	9-12	1	6	In IB Program		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



Fine Arts Courses

Fine Art Course	KISD Code	Grade	Credit	Grade Point	Prerequisite	Core	APP (Approval Process Required)
Dance Appreciation - Dual Credit	3970DC	10-12	1	6			APP
Dance Company IV (PE & Non PE)	3903C, 3903CP E	10-12	1	5.5	Company III		APP
Dance Team/Drill Team I (PE & Non PE)	3900T, 3900TP E	9-12	1	5	None		APP
Floral Design (CTE)	905318	10-12	1	5	None		

Table of Contents

Graduation Plan

Special Programs

Core Courses

STEM

Business & Industry

Public Service

Arts & Humanities

Multi-Disciplinary

Advanced Academics

College programs

Course Fees

Index



