Curriculum-Course Guide
2024-2025

USD #500
Kansas City Kansas Public Schools

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Graduation Requirements 2024-2027

In Kansas City, Kansas Public Schools, to qualify for high school graduation, 21 units of credit with a minimum enrollment in seven semesters is required (See Board Policy IHF). The high school graduation requirements are designed to be completed in eight semesters.

Courses	Recognized Diploma	Foundational Diploma
	25 Total Credits	***21 Total Credits**
English **College level English courses may fulfill these credits.*	**4.5 Credits*** English 1 (1 credit) English 2 (1 credit) English 3 (1 credit) English 4 (1 credit) Speech, Forensics, or Debate (.5 credit)	**4 Credits*** English 1 (1 credit) English 2 (1 credit) English 3 (1 credit) English 4 (1 credit)
Math **College level math courses may fulfill these credits.*	**4 Credits*** Algebra 1 (1 credit) Geometry (1 credit) Algebra 2 (1 credit) 4th Year Math Course (1 credit)	**3 Credits** Algebra 1 (1 credit) Geometry (1 credit) Algebra 2 (1 credit)
Social Studies **College level social studies courses may fulfill these credits.*	**3 Credits*** World History (1 credit) American History (1 credit) American Government (.5 credit) Business Economics (.5 credit)	**3 Credits*** World History (1 credit) American History (1 credit) American Government (.5 credit) Business Economics (.5 credit)
Science **College level science courses may fulfill these credits.*	**3 Credits*** Must include 1 credit from life science, 1 credit from physical science, and 1 additional science credit.	**3 Credits*** Must include 1 credit from life science, 1 credit from physical science, and 1 additional science credit.
P.E. / Health	**1 Credit**	**1 Credit**
Fine Arts	**1 Credit**	**1 Credit**
CTE	**2 Credits** Must include Financial Literacy [formerly Consumer Resource Management] (.5 credit) and Business Communications (.5 credit)	Courses taken in this area may count towards the six credits of electives.
World Languages **College level world language courses may fulfill these credits.*	**2 Credits*** Two years of one language.	Courses taken in this area may count towards the six credits of electives.
Electives	**4.5 Credits**	**6 Credits**

** The 21 credit Foundational Diploma will require a parent meeting with a counselor and will not qualify the student for The Kansas Scholars Curriculum.*

A **Distinguished Diploma** shall be awarded to students who earn 31 credits (to include the 25 credits outlined for a Recognized Diploma) and earn an Associates Degree and/or International Baccalaureate Diploma.

New Graduation Requirements for 2028

In Kansas City, Kansas Public Schools, to qualify for high school graduation, 21 units of credit with a minimum enrollment in seven semesters is required (See Board Policy IHF). The high school graduation requirements are designed to be completed in eight semesters.

Courses	Recognized Diploma	Foundational Diploma
	25 Total Credits	**21 Total Credits**
Communications *College level English courses may fulfill these credits	**4 English Credits**** English 1 (1 credit) English 2 (1 credit) English 3 (1 credit) English 4 (1 credit) **.5 Communication Credit**	**3.5 Credits** English 1 (1 credit) English 2 (1 credit) English 3 (1 credit) English 4 (1 credit) **.5 Communication Credit**
Society and Humanities *College level social studies courses may fulfill these credits	**3 Credits** World History or World People Studies (1 credit American History (1 credit) American Government (.5 credit) Social Studies Elective (minimum of .5 credit) **1 Fine Art Credit**	**3 Credits** World History (1 credit World People Studies (1 credit) American History (1 credit) American Government (.5 credit) Business Economics (.5 credit) **1 Fine Art Credit**
STEM *College level math courses may fulfill these credits	**4 Math Credits** Algebra 1 (1 credit) Geometry (1 credit) Algebra 2 (1 credit) 4th Year Math Course (1 credit) **3 Science Credits** Must include 1 credit from life science, 1 credit from physical science, and 1 additional science credit **1 STEM Credit**	**3 Math Credits** Algebra 1 (1 credit) Geometry (1 credit) Algebra 2 (1 credit) **3 Science Credits** Must include 1 credit from life science, 1 credit from physical science, and 1 additional science credit **1 STEM Credit**
Employability and Life Skills	**.5 Credit** Health **1 Credit** Physical Education **.5 Credit** Financial Literacy **2 World Language Credits** **2 Career and Technical Education Credits** Must include Business Communications **2.5 Credits** Other courses driven by IPS	**.5 Credit** Health **1 Credit** Physical Education **.5 Credit** Financial Literacy **2 Career and Technical Education Credits** Must include Business Communications **2.5 Credits** Other courses driven by IPS

Post-Secondary Assets	**A Diploma+ and any state asset**	**A Diploma+ and any state asset**
Other	**Completion of the Free Application for Federal Student Aid***	**Completion of the Free Application for Federal Student Aid***

A **Distinguished Diploma** shall be awarded to students who earn 31 credits (to include the 25 credits outlined for a Recognized Diploma) and earn an Associates Degree and/or International Baccalaureate Diploma.

* Families may opt out.

**NCAA requires students to take 4 full credits of English. The NCAA will not allow a communication course to replace an English course.

Special Education

Special Education (SPED) courses are available to meet the needs of students with exceptionalities and qualify under IDEA. Students receive specially designed instruction to access the general education curriculum, with services outlined by the Individualized Education Plan (IEP).

SPED services and placements are determined in accordance with IDEA, KSDE guidelines and are outlined in the student's IEP. Delivery of services may include academic support, direct instruction, co-teaching (general education instruction with push in support), and/or specialized programming.

To learn more about SPED services and course placements, please contact the Department of Special Education at 913-627-5600 or call or text the SPED Parent Support Line at 913-608-4696.

English Language Learners (ESOL)

English to Speakers of Other Languages (ESOL) courses are available to meet the needs of emergent multilingual students who have limited English language proficiency. Eligibility for ESOL services and courses are determined by the Kansas English Language Proficiency Assessment Placement (KELPA-P) test and ESOL teacher recommendation. English language proficiency support is offered through ELD courses, sheltered instruction, co-teaching, or mainstream instruction with push-in support. To learn more about ESOL services and course offerings, please contact the Department of ESOL and Migrant Programs at 913-627-5626.

General Questions/Inquiries

For general questions or inquiries about non-SPED or non-ESOL curriculum/courses, please contact your building counselors or administrators.

Middle School Grading Policy

IHA – Grading System Policy from School/Parent Handbook
The purpose of grading shall be to communicate student learning with students and parents/guardians. The communication shall be as such to invite participation within the student's learning process. Grades shall communicate student learning relative to clearly stated instructional expectations based on the standards of the content. Grades shall be mainly determined by assessments in the form of, but not limited to written tests, essays, science experiments, multimedia presentations, products, performances, works of art, speeches, demonstrations, etc. Daily assignments, class participation, application of skills, etc. can be considered as a portion of the grade.

Report cards for all students shall be sent home and posted in the online gradebook four times a year at the end of a quarter. In addition, progress reports for all students shall be issued at the midpoint of each quarter. Grades shall be updated in the online gradebook each week (approximately 10 per quarter) to keep everyone informed of student progress.

Grading Scale:
All student work is based on standards. Grades cannot be explicitly used for reward or punishment. Grading practices cannot place a student in a situation where he/she is doomed to fail mid-year with no recourse.

Grade Scales-Student performance shall be communicated using the appropriate grade-level scale.

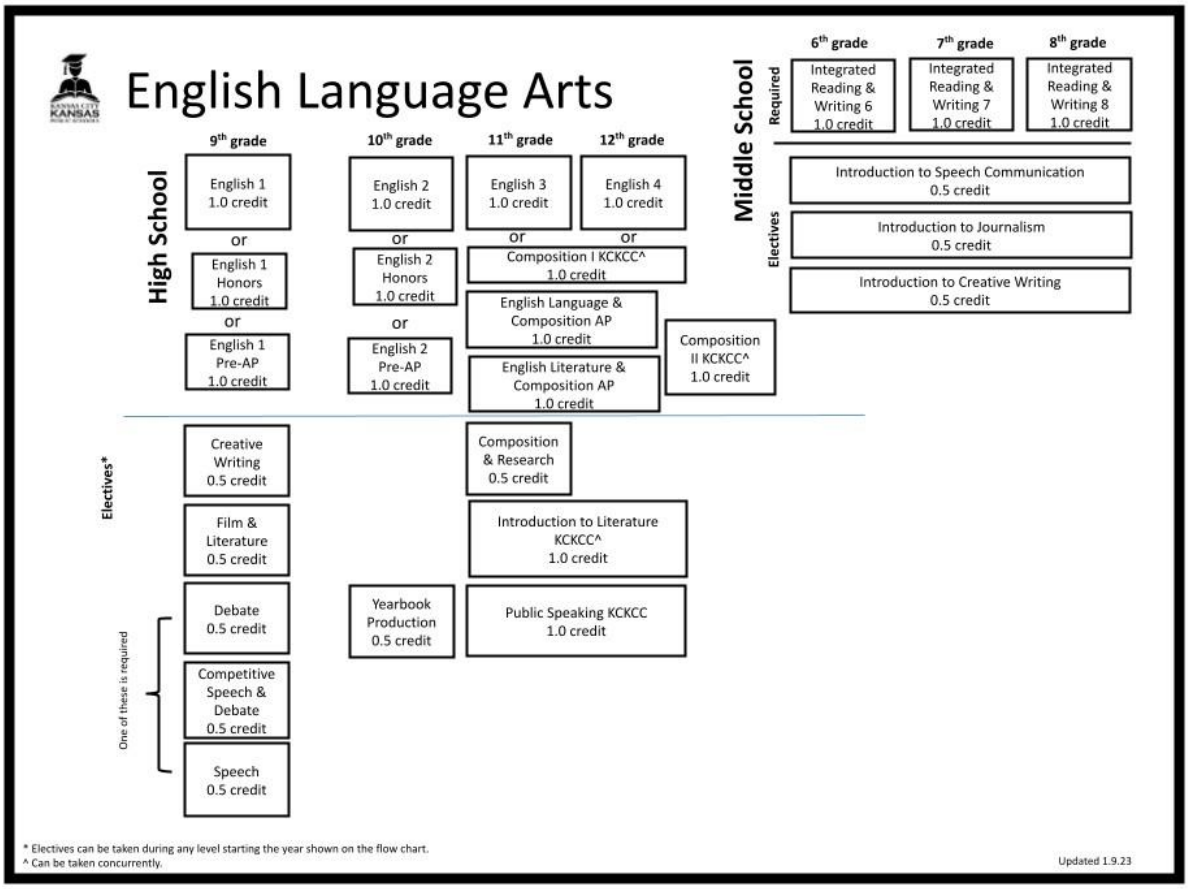
The scale for reporting grades in Grades 6 through 12.

- A – 90-100%
- B – 80-89%
- C – 70-79%
- D – 60-69%
- F – 59% or below
- I - Incomplete

Middle School Courses

English – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Integrated Reading & Writing 6	English	Full Year	No	6	
Integrated Reading & Writing 7	English	Full Year	No	7	
Integrated Reading & Writing 8	English	Full Year	No	8	
Introduction to Creative Writing	ELECTIVE	Half Year	No	6-8	
Introduction to Journalism	ELECTIVE	Half Year	No	7-8	
Introduction to Speech Communication	ELECTIVE	Half Year	No	6-8	



Integrated Reading & Writing 6

Course #: 01061042 Credit Type: English

Credit: Full Year Grade Level: 6

This Language Arts course builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and includes the four aspects of language use: reading, writing, speaking, and listening. This course emphasizes the use of language for different effects, in different contexts, and for different purposes. Students can expect to read a variety of fiction and non-fiction including novels, short stories, dramas, poetry, and essays. This course provides an integrated balance of reading narrative and informational texts, along with writing tasks appropriate to grade level 6. Students will become proficient at gathering information, evaluating sources and citing material accurately, reporting findings from their research and analysis of sources in a clear manner. To be college and career ready writers, students must take task, purpose, and audience into careful consideration, choosing words, information, structures, and formats deliberately. Through an integrated approach, skills and strategies will be developed and applied through the Kansas College and Career Readiness Standards.

Integrated Reading & Writing 7

Course #: 01071042 Credit Type: English

Credit: Full Year Grade Level: 7

This Language Arts course builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and includes the four aspects of language use: reading, writing, speaking, and listening. This course emphasizes the use of language for different effects, in different contexts, and for different purposes. Students can expect to read a variety of fiction and non-fiction including novels, short stories, dramas, poetry, and essays. This course provides an integrated balance of reading narrative and informational texts, along with writing tasks appropriate to grade level 7. Students will become proficient at gathering information, evaluating sources and citing material accurately, reporting findings from their research and analysis of sources in a clear manner. To be college and career ready writers, students must take task, purpose, and audience into careful consideration, choosing words, information, structures, and formats deliberately. Through an integrated approach, skills and strategies will be developed and applied through the Kansas College and Career Readiness Standards.

Integrated Reading & Writing 8

Course #: 01081042 Credit Type: English
Credit: Full Year Grade Level: 8

This Language Arts course builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and includes the four aspects of language use: reading, writing, speaking, and listening. This course emphasizes the use of language for different effects, in different contexts, and for different purposes. Students can expect to read a variety of fiction and non-fiction including novels, short stories, dramas, poetry, and essays. This course provides an integrated balance of reading narrative and informational texts, along with writing tasks appropriate to grade level 8. Students will become proficient at gathering information, evaluating sources and citing material accurately, reporting findings from their research and analysis of sources in a clear manner. To be college and career ready writers, students must take task, purpose, and audience into careful consideration, choosing words, information, structures, and formats deliberately. Through an integrated approach, skills and strategies will be developed and applied through the Kansas College and Career Readiness Standards.

Introduction to Creative Writing

Course #: 01062001 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 6-8

This course is an introduction to the art of creative writing and publishing. Class participants will write and revise pieces in a number of genres including personal essays, short stories, poetry, drama, and fairy tales among other alternative genres. The focus of this class will be on various processes for creating and using mentor texts as inspiration. Students will learn from each other, providing and listening to feedback while learning to engage in a supportive, creative community that empowers individual curiosity and artistic risk-taking.

Introduction to Journalism

Course #: 01074011 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 7-8

In this course, students will be equipped with an understanding of the principles and practice of journalism: how to recognize good stories and gather facts through skillful interviewing and research. Students will learn how to organize ideas and format stories while developing sources, craft welcoming leads and satisfying endings, and how to create news and feature articles that inform and engage readers. The course will also examine the historical development of journalism and the role of journalism in society.

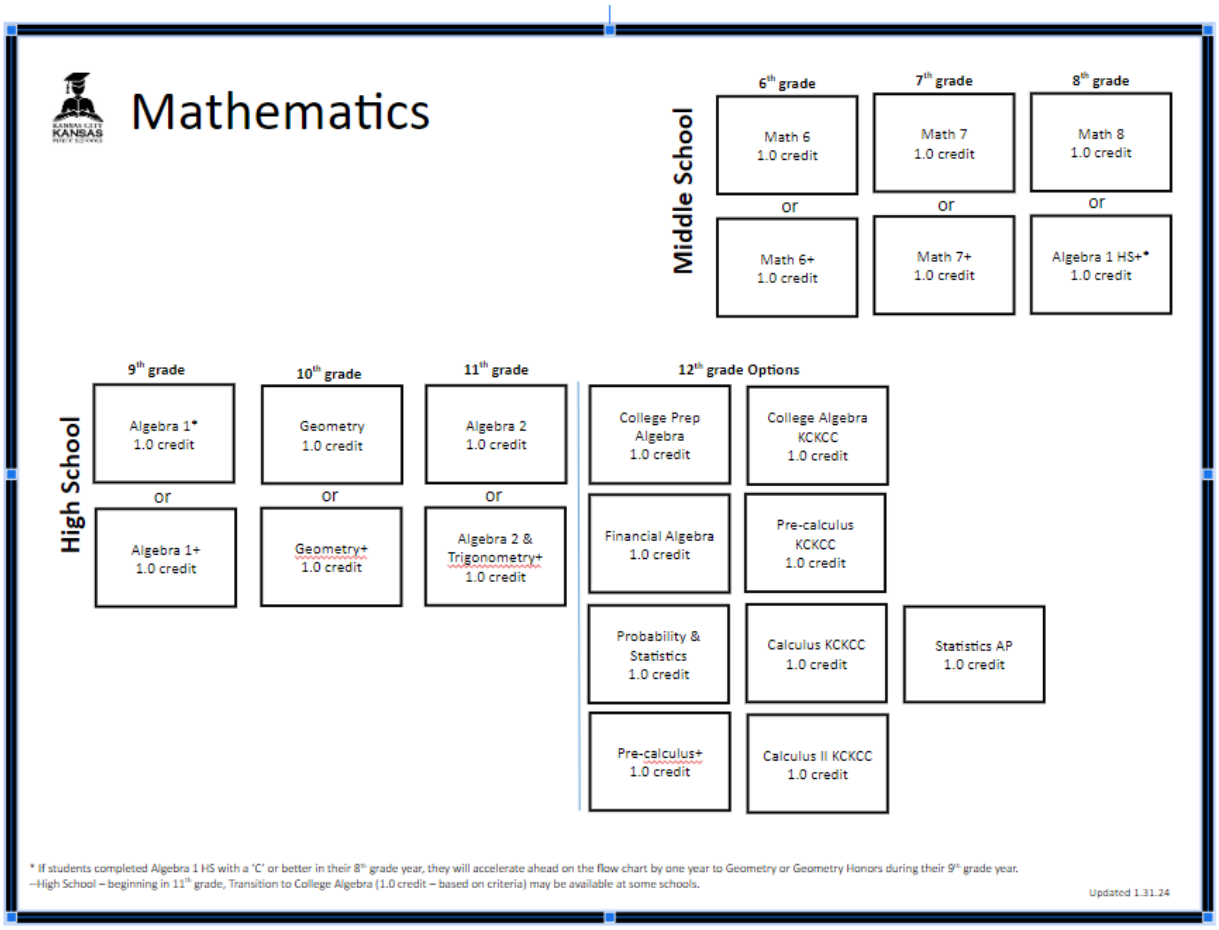
Introduction to Speech Communication

Course #: 01068105 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 6-8

This co-curricular course prepares students for a variety of academic and non-academic situations in which public speaking and performance is required. Students will learn how to research, outline, and deliver formal and informal presentations. The skills acquired in this class will provide a solid foundation for participating in High School Competitive Speech and Debate. Students are expected to follow and read current events while engaging in the research writing and presentation of material for competition in debate and public speaking. Students will also be expected to analyze fictional and non-fictional pieces to bring characters to life through speaking and/or acting skills. Through this course, students may also have the opportunity to participate in extracurricular Competitive Speech and Debate.

Mathematics – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Math 6	Math	Full Year	No	6	
Math 6+	Math	Full Year	No	6	
Math 7	Math	Full Year	No	7	
Math 7+	Math	Full Year	No	7	
Math 8	Math	Full Year	No	8	
Algebra 1 HS+	Math	1.0	No	8	Grade 8 ONLY



Math 6

Course #: 02061022 Credit Type: Math
Credit: Full Year Grade Level: 6

Math 6 is a transition course that focuses on deepening elementary math skills to connect and prepare students for studying algebra in later grades. It covers a range of topics, including geometry, rational numbers, rates and ratios, and the division of fractions using models. Math 6 equips students with the skills and knowledge necessary to succeed in more advanced math courses and apply mathematics in real-world situations.

Math 6+

Course #: 02062002 Credit Type: Math
Credit: Full Year Grade Level: 6
Prerequisite: 5th grade math and placement test

Math 6+ is an accelerated course encompassing the entire Math 6 curriculum and integrating components from the Math 7 curriculum. This course aims to equip students with the foundational skills required to successfully advance to Algebra 1+ in the 8th grade. The course is

designed to foster academic excellence in mathematics, catering to students pursuing college credit classes at the high school level. Any student can access this course, but an entrance exam will be administered and discussed with the family before students are admitted.

Math 7

Course #: 02071022
Credit: Full Year
Credit Type: Math
Grade Level: 7

Math 7 students explore rational numbers using visual models and solve real-world problems. Students dive into proportional reasoning, work with expressions, equations, and inequalities, and study geometric figures. Probability is also taught, with a focus on experimental and theoretical probabilities. The course emphasizes data collection and analysis, enabling students to make informed inferences about populations.

Math 7+

Course #: 02072002
Credit: Full Year
Prerequisite: Math 6+ or Math 6 with placement test
Credit Type: Math
Grade Level: 7

Math 7+ is a rigorous and comprehensive course designed to cover the Math 7 standards not included in the Math 6+ curriculum while also encompassing all Math 8 standards. The primary objective of this course is to equip students with the essential mathematical skills and knowledge needed to excel academically, setting them up for a successful transition into Algebra 1+ in the 8th grade. This course prepares students for future academic success in mathematics, catering to students pursuing college credit classes at the high school level. Any student can access this course, but an entrance exam will be administered and discussed with the family before students are admitted.

Math 8

Course #: 02081002
Credit: Full Year
Credit Type: Math
Grade Level: 8

Math 8 students will explore various mathematical concepts, including algebraic equations, functions, geometry, and irrational numbers, laying the foundation for advanced high school mathematics. They will investigate angle measurements, the Pythagorean Theorem, and patterns in bivariate data, employing linear models to solve real-world problems. The course will conclude with a focus on three-dimensional geometry, emphasizing geometric shapes' volume and surface area.

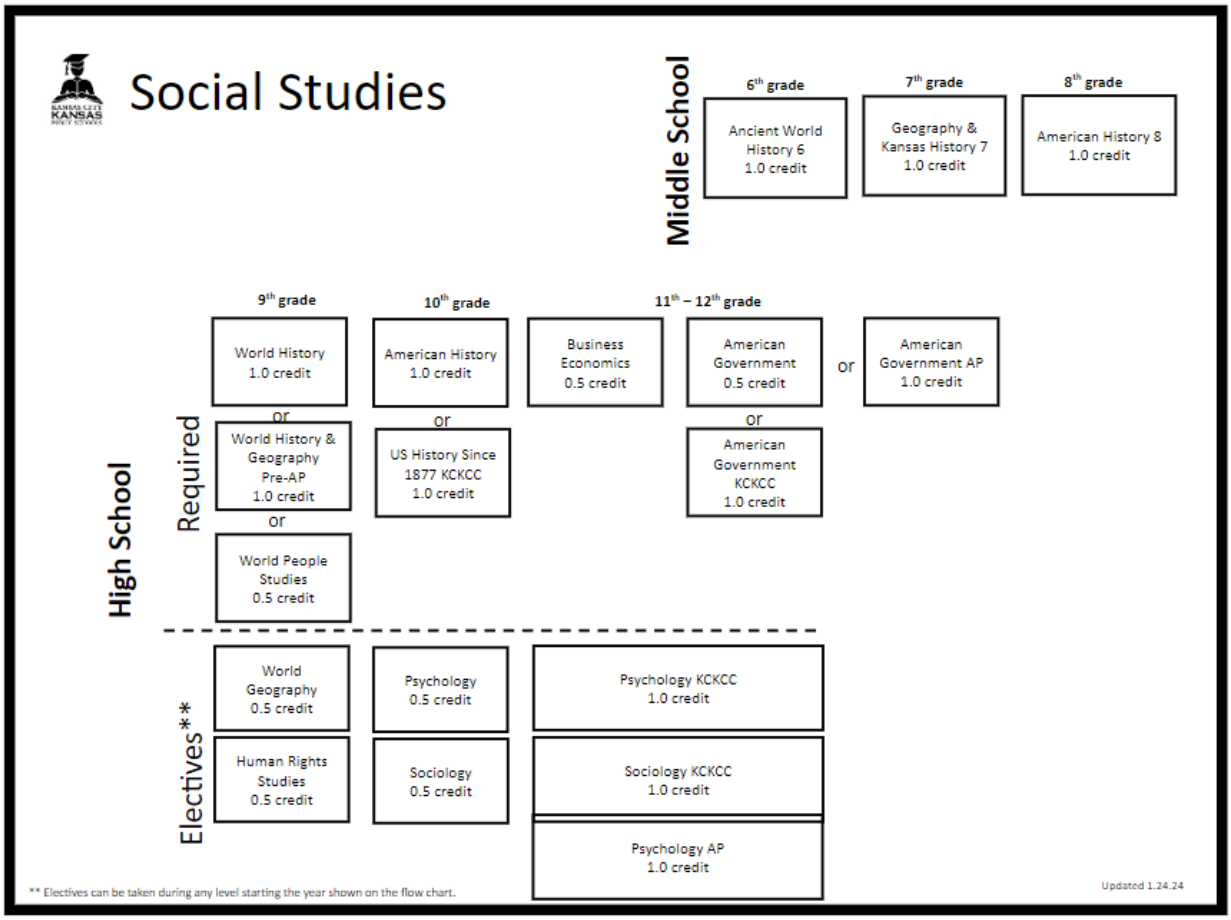
Algebra 1 HS+

Course #: 02091920
Credit: 1.0
Prerequisite: Math 7+ or Math 8 with placement test
Credit Type: Math
Grade Level: 8

Algebra 1+ is available for students seeking to be academically challenged. The course expands and enriches the critical content of Algebra 1 to prepare students for future academic success in mathematics, catering to students pursuing college credit classes at the high school level. Any student can access this course, but an entrance exam will be administered and discussed with the family before students are admitted.

Social Studies – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Ancient World History 6	Social Studies	Full Year	No	6	
Geography & Kansas History 7	Social Studies	Full Year	No	7	
American History 8	Social Studies	Full Year	No	8	



Ancient World History 6

Course #: 04061002
Credit: Full Year
Credit Type: Social Studies
Grade Level: 6

Social Studies (grade 6) Ancient World History covers the time period from the birth of the river valley civilizations of Mesopotamia, Egypt, India, and China to the Middle Ages in Europe. Students will examine the impact of geography on the development of civilizations. Students will draw conclusions about the significance of various civilizations and their connection to events, ideas, and culture today. The course should be rigorous and relevant with instruction that integrates thinking skills, historical processes, and content so that students are able to apply their learning to their own lives.

Geography & Kansas History 7

Course #: 04071002
Credit: Full Year
Credit Type: Social Studies
Grade Level: 7

Social Studies (grade 7) Geography should familiarize students with their world using the Essential Elements and Geography Themes. Students should develop skills and knowledge about location, place, human/environmental interaction, movement, and regions. The course should compare and contrast these themes across all continents. Special attention should be given to the most essential skills and knowledge of the discipline. Instruction should feature examples from a variety of geographic regions. Kansas History is the study of native inhabitants of the land that was to become Kansas. The course will cover major events, individuals, groups, innovations, and movements from pre-historic days

to the present. The course should be rigorous and relevant with instruction that integrates thinking skills, historical processes, and content so that students are able to apply their learning to their own lives.

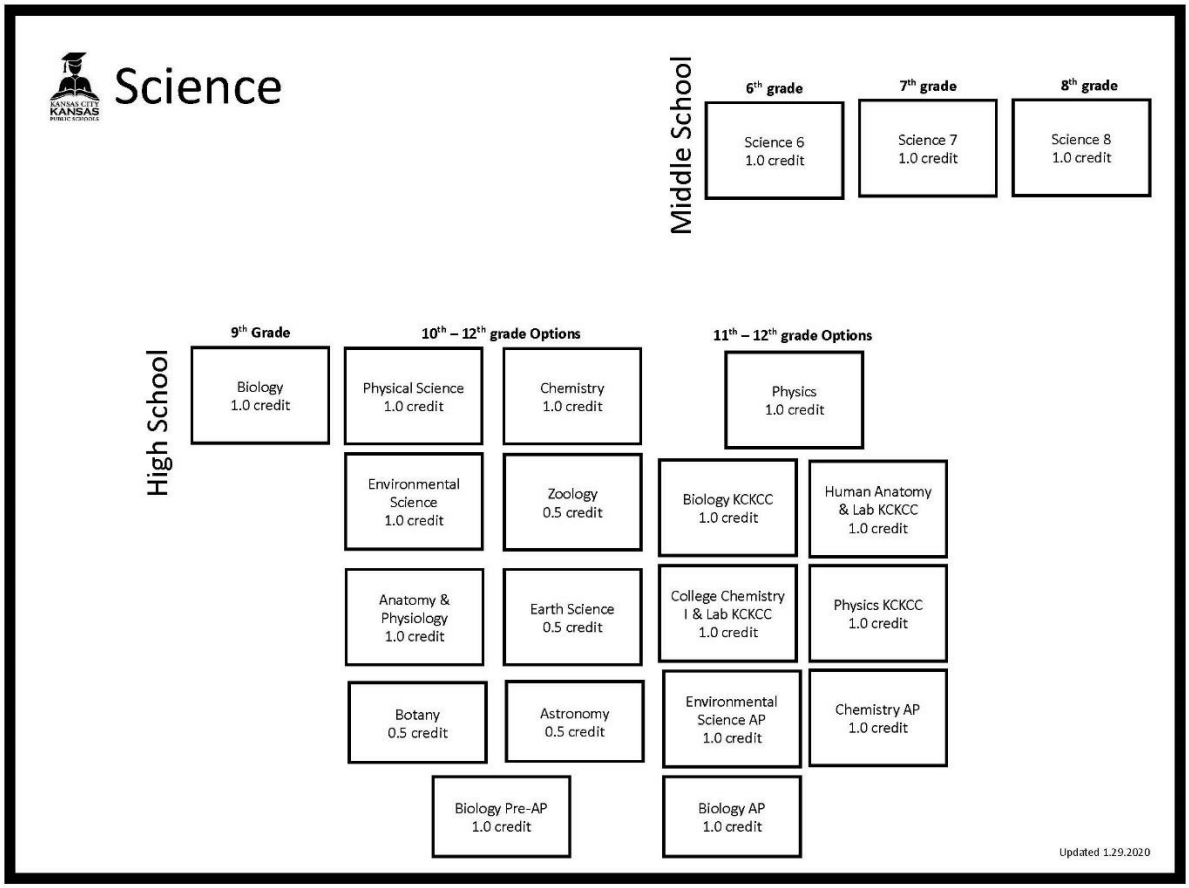
American History 8

Course #: 04081002
Credit Type: Social Studies
Credit: Full Year
Grade Level: 8

Social Studies (grade 8) American History will review the major ideas, issues, and events of the founding of the nation and Constitutional Period. Students will then concentrate on the critical events, people, groups, ideas, and issues of the period from 1800 to 1900 - including Westward expansion, sectionalism, the Civil War Reconstruction, Populism, and Imperialism. The course should be rigorous and relevant with instruction that integrates thinking skills, historical processes, and content so that students are able to apply the learning to their own lives. Instruction should include the integration of concepts and principles from history, economics, geography, civics, and the humanities.

Science – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Science 6	Science	Full Year	No	6	
Science 7	Science	Full Year	No	7	
Science 8	Science	Full Year	No	8	



Science 6

Course #: 03061002
Credit: Full Year
Credit Type: Science
Grade Level: 6

Science (grade 6) include subject matter from several strands of science, including earth/space sciences, physical sciences, and life sciences, the course organizes material around thematic units based upon the Kansas College and Career Ready Standards for Science.

Science 7

Course #: 03071002
Credit: Full Year
Credit Type: Science
Grade Level: 7

Science (grade 7) builds on previous years of scientific inquiry and includes subject matter from several strands of science, including earth/space sciences, physical sciences, and life sciences, the course organizes material around thematic units based upon the Kansas College and Career Ready Standards for Science.

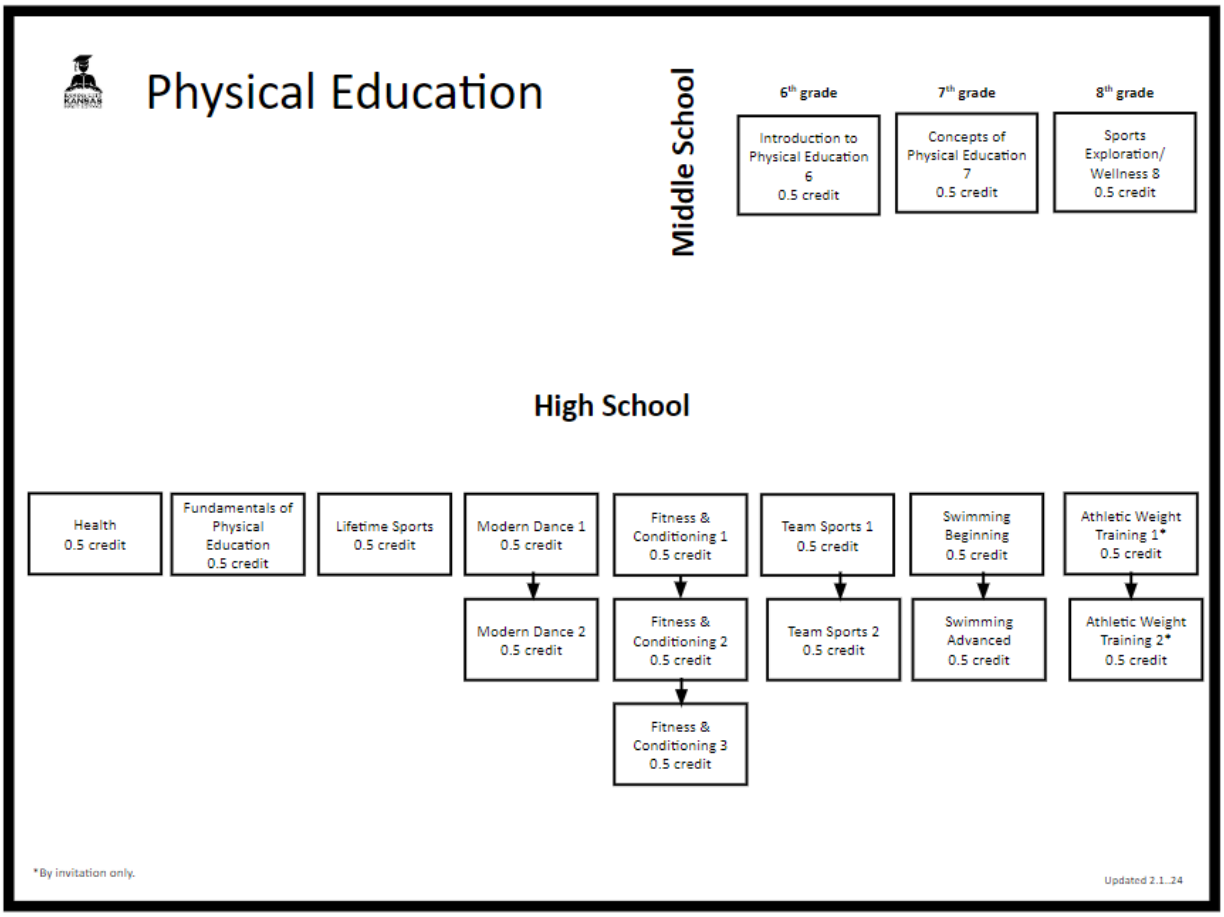
Science 8

Course #: 03081020
Credit: Full Year
Credit Type: Science
Grade Level: 8

Science (grade 8) builds on previous years of scientific inquiry and includes subject matter from several strands of science, including earth/space sciences, physical sciences, and life sciences, the course organizes material around thematic units based upon the Kansas College and Career Ready Standards for Science.

Physical Education – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Introduction to Physical Education 6	Physical Education	Half Year	No	6	
Concepts of Physical Education 7	Physical Education	Half Year	No	7	
Sports Exploration & Wellness 8	Physical Education	Half Year	No	8	



Introduction to Physical Education 6

Course #: 06061001 Credit Type: Phys Ed
Credit: Half Year Grade Level: 6

This course introduces knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe techniques; and explore the relationship between physical activity and health.

Concepts of Physical Education 7

Course #: 06071001 Credit Type: Phys Ed
Credit: Half Year Grade Level: 7

This course involves the development of concepts that provide the foundation for sport, a physically active lifestyle, and social development through physical activity, including knowledge, strategy, and skills. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe techniques; and explore the relationship between physical activity and health.

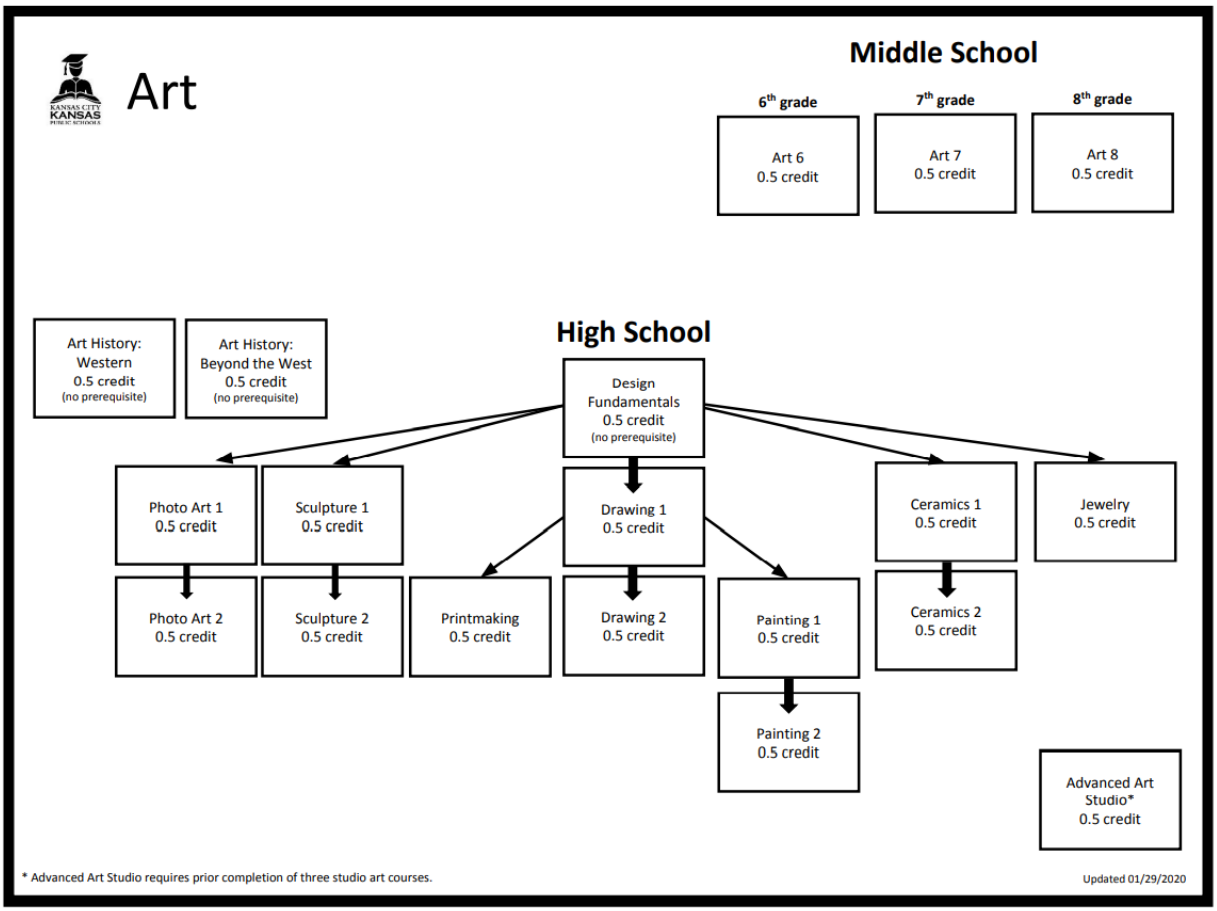
Sports Exploration & Wellness 8

Course #: 06081001 Credit Type: Phys Ed
Credit: Half Year Grade Level: 8

This course involves the acquisition of knowledge and skills that provide the foundation for sport, a physically active and healthy lifestyle while promoting social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe techniques; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) are also included.

Art – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Art 6	Fine Arts	Half Year	No	6	
Art 7	Fine Arts	Half Year	No	7	
Art 8	Fine Arts	Half Year	No	8	



Art 6

Course #: 07061003 Credit Type: Fine Arts
Credit: Half Year Grade Level: 6

6th Grade Visual Arts is a hands-on project-based course that picks up where students left off in 5th grade. Students will work in two- and three-dimensional mediums that include drawing, painting, design, construction, etc. There will be a focus on the 6th grade visual art standards and an emphasis on the elements and principles of design. This class cannot be repeated.

Art 7

Course #: 07071003 Credit Type: Fine Arts
Credit: Half Year Grade Level: 7

7th Grade Visual Arts is a hands-on, project-based course that focuses on the continuation of visual arts at the middle school level; however, students do not need to complete 6th grade art to enroll. Students will build off their skill sets in two- and three-dimensional mediums that include drawing, painting, design, construction, etc. There will be a focus on the 7th grade visual art standards and an emphasis on the elements and principles of design. This class cannot be repeated.

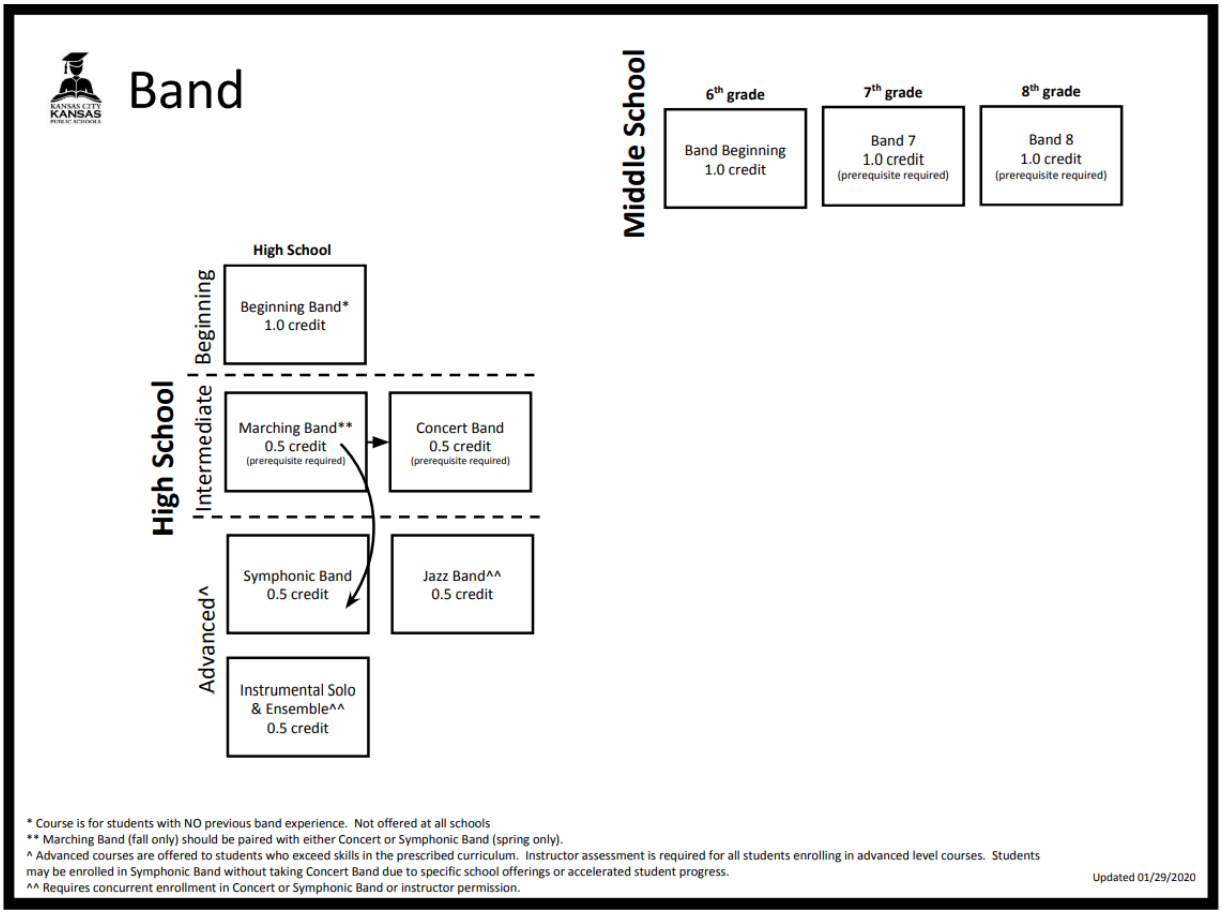
Art 8

Course #: 07081003 Credit Type: Fine Arts
Credit: Half Year Grade Level: 8

8th Grade Visual Arts is a hands-on, project-based course that focuses on the continuation of visual arts at the middle school level; however, students do not need to complete 7th grade art to enroll. Students will build off their skill sets in two- and three-dimensional mediums with a focus on building the skills necessary for the visual arts classes at the high school level. There will be a focus on the 8th grade visual art standards and an emphasis on the elements and principles of design. This class cannot be repeated.

Band – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Band Beginning	Fine Arts	Full Year	No	6	
Band 7	Fine Arts	Full Year	No	7	
Band 8	Fine Arts	Full Year	No	8	



Band Beginning

Course #: 08063002
Credit: Full Year
Credit Type: Fine Arts
Grade Level: 6

Band Beginning is for students with no prior experience. Emphasis will be on music reading, rhythmic precision, technical skills and tone production. Attendance at several evening events is required.

Band 7

Course #: 08073022
Credit: Full Year
Credit Type: Fine Arts
Grade Level: 7

Band is for band students with prior experience and who meet prescribed skills in the district scope and sequence. Emphasis will be on music reading, rhythmic precision, technical skills and tone production. Attendance at several evening events is required.

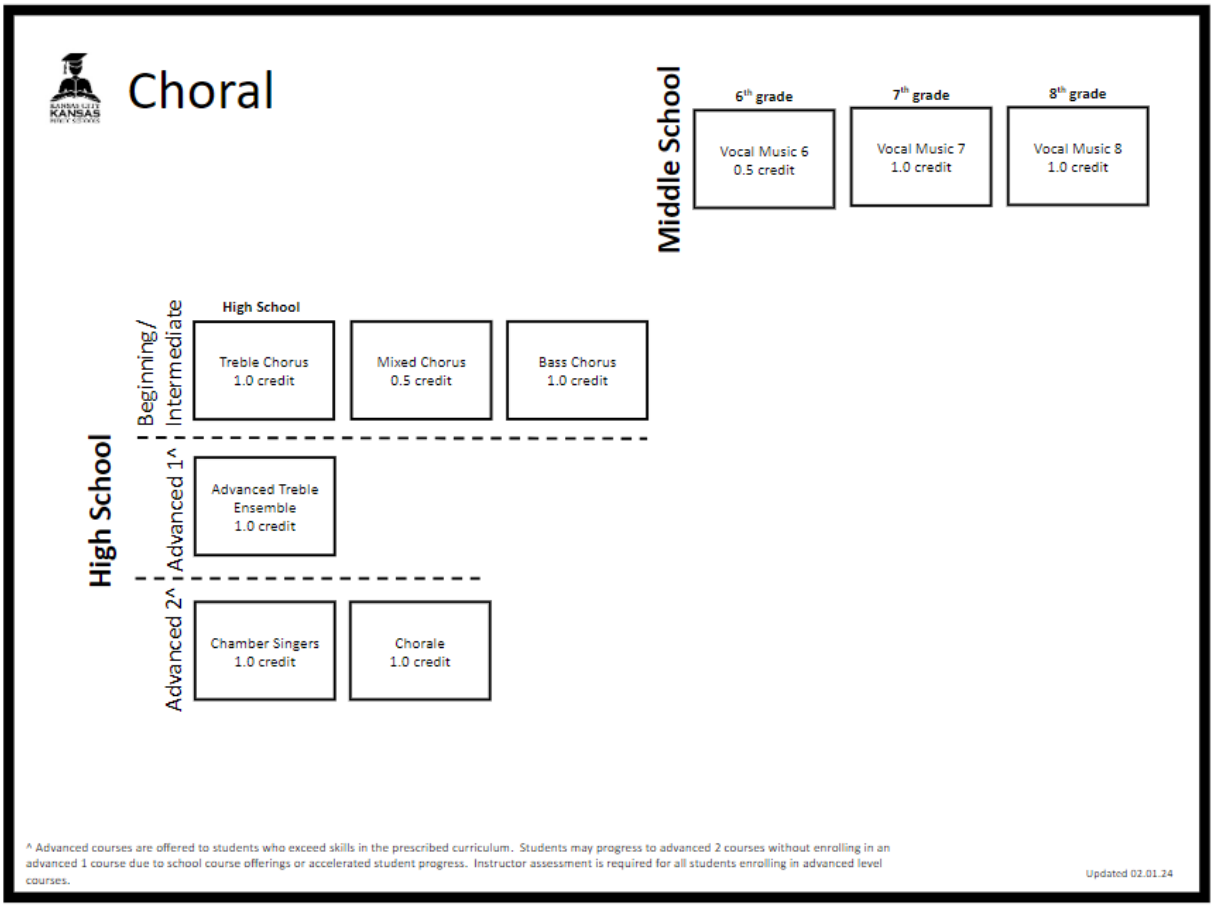
Band 8

Course #: 08083022
Credit: Full Year
Credit Type: Fine Arts
Grade Level: 8

Band is for band students with prior experience and who meet prescribed skills in the district scope and sequence. Emphasis will be on music reading, rhythmic precision, technical skills and tone production. Attendance at several evening events is required.

Choral – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Vocal Music 6	Fine Arts	Half Year	No	6	May be taken both semesters
Vocal Music 7	Fine Arts	Full Year	No	7	May be taken both semesters
Vocal Music 8	Fine Arts	Full Year	No	8	May be taken both semesters



Vocal Music 6

Course #: 08061003
Credit: Half Year
Credit Type: Fine Arts
Grade Level: 6

Vocal Music is for any student interested in singing in a choral ensemble. This course includes a general survey of the elements of music and music history; emphasis will be on music literacy, beginning vocal technique, and choral ensemble skills. Attendance at evening events is required. This course has no required prerequisites.

Vocal Music 7

Course #: 08071007
Credit: Full Year
Credit Type: Fine Arts
Grade Level: 7

Vocal Music is for any student interested in singing in a choral ensemble. This course includes a general survey of the elements of music and music history; emphasis will be on music literacy, beginning vocal technique, and choral ensemble skills. Attendance at evening events is required. This course has no required prerequisites.

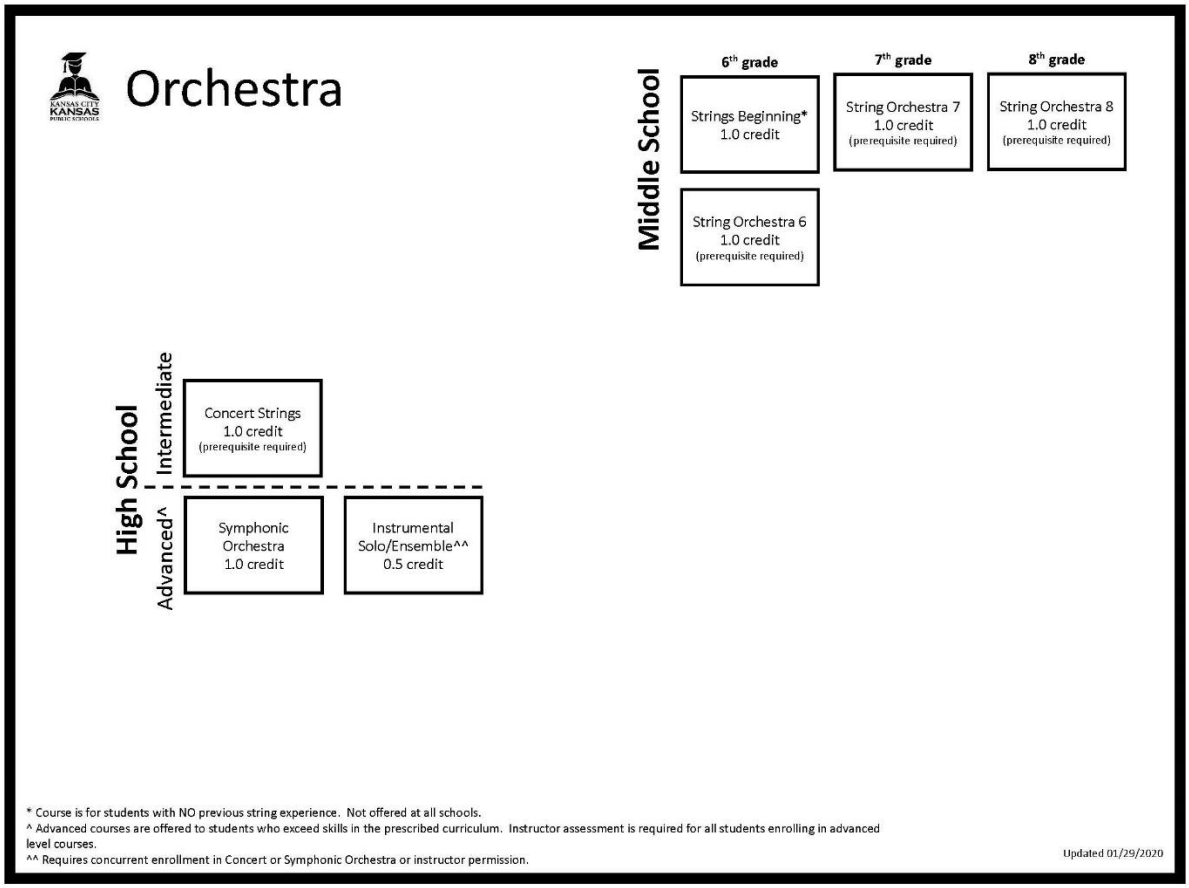
Vocal Music 8

Course #: 08081007
Credit: Full Year
Credit Type: Fine Arts
Grade Level: 8

Vocal Music is for any student interested in singing in a choral ensemble. This course includes a general survey of the elements of music and music history; emphasis will be on music literacy, beginning vocal technique, and choral ensemble skills. Attendance at evening events is required. This course has no required prerequisites.

Orchestra – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Strings Beginning MS	Fine Arts	Full year	No	6-8	for student who have no prior instrument experience
Orchestra 6	Fine Arts	Full Year	No	6	
Orchestra 7	Fine Arts	Full Year	No	7	
Orchestra 8	Fine Arts	Full Year	No	8	



Strings Beginning MS

Course #: 08064002 Credit Type: Fine Arts
Credit: Full Year Grade Level: 6-8

Beginning Strings is for students with no prior experience. Emphasis will be on music reading, rhythmic precision, technical skills and tone production. Attendance at several evening events is required.

Orchestra 6

Course #: 08064022 Credit Type: Fine Arts
Credit: Full Year Grade Level: 6

String Orchestra is for orchestra students with prior experience and who meet prescribed skills in the district scope and sequence. Emphasis will be on music reading, rhythmic precision, technical skills and tone production. Attendance at several evening events is required.

Orchestra 7

Course #: 08074022 Credit Type: Fine Arts
Credit: Full Year Grade Level: 7

String Orchestra is for orchestra students with prior experience and who meet prescribed skills in the district scope and sequence. Emphasis will be on music reading, rhythmic precision, technical skills and tone production. Attendance at several evening events is required.

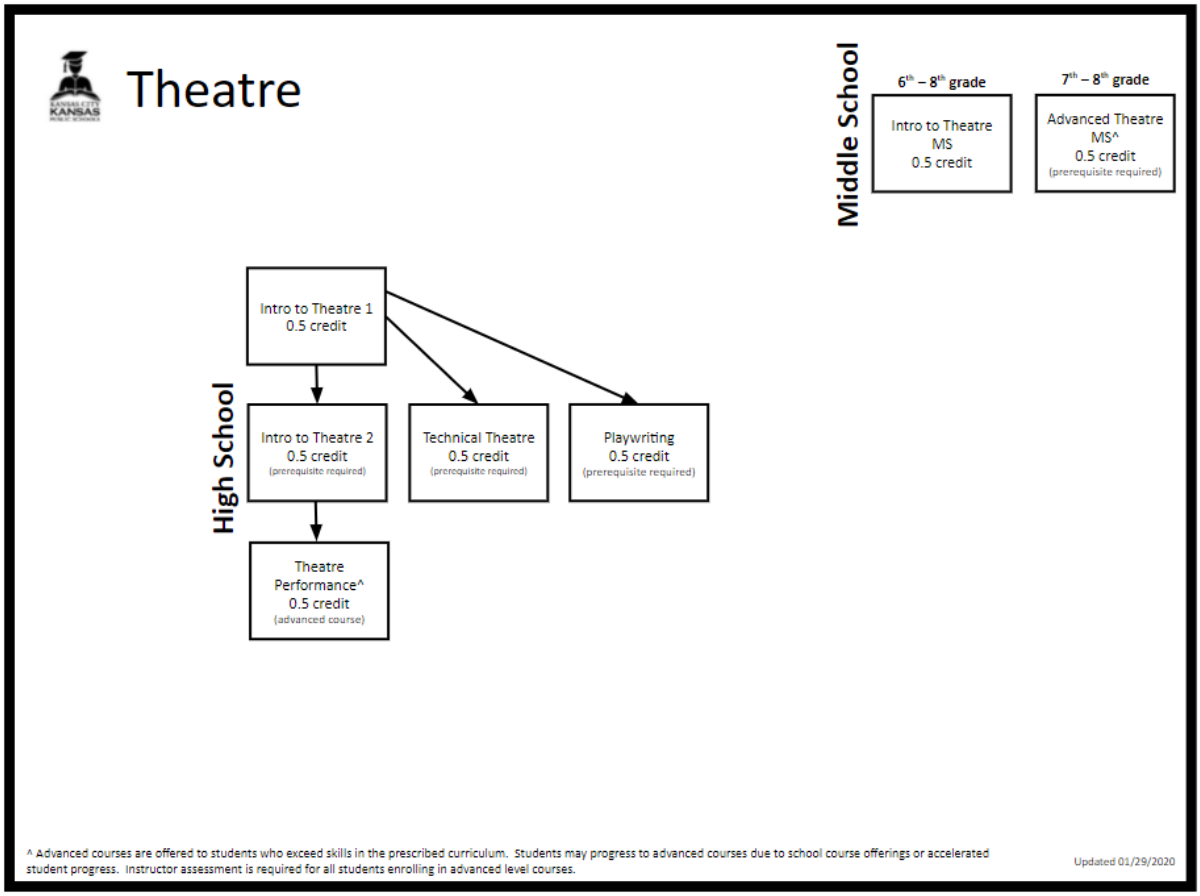
Orchestra 8

Course #: 08084022
Credit: Full Year
Credit Type: Fine Arts
Grade Level: 8

String Orchestra is for orchestra students with prior experience and who meet prescribed skills in the district scope and sequence. Emphasis will be on music reading, rhythmic precision, technical skills and tone production. Attendance at several evening events is required.

Theatre – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Introduction to Theatre MS	Fine Arts	Half Year	No	6-8	
Advanced Theatre MS	Fine Arts	Half Year	No	7-8	May be taken more than once



Introduction to Theatre MS

Course #: 09061011
Credit: Half Year
Credit Type: Fine Arts
Grade Level: 6-8

Introduction to Theatre is an introduction to the dramatic arts. All aspects of the theatre will be explored, including acting, improvisation, play types and play structures. Students will actively participate in theatrical exercises to help them explore and develop an appreciation of various art forms and to develop self-awareness, self-confidence, and physical and vocal expression.

Advanced Theatre MS

Course #: 09072011
Credit: Half Year
Credit Type: Fine Arts
Grade Level: 7-8

Advanced Theatre is an advanced course for students who have completed an intro to theatre course and provides an opportunity for continued development of the skills learned during an introductory course. Course content is focused on performance and explores the use of movement, language, character, plot, and other elements of theatrical production to portray real or imaginary experiences.

Career & Technical Education – Middle School

KCKPS has transformed learning from what many know as traditional "school" to "Diploma+" learning. Diploma+ begins in preschool, building a strong foundation in academic and social/emotional skills – like stepping stones to the future. Diploma+ continues into middle school with project-based, hands-on learning experiences, career exploration, and college and industry visits. As students enter high schools, Diploma+ provides them with real-world experiences tied to their career interests through Career and Technical education classes. Each high school offers students different career paths to choose from as they embark on their journey to graduating Diploma+.

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Business Essentials	ELECTIVE	Half Year	No	8	
Career Exploration	ELECTIVE	Half Year	No	6-8	
Career and Life Planning	ELECTIVE	Half Year	No	8	
Code Creators	ELECTIVE	Half Year	No	6-8	
Computer Applications	ELECTIVE	Half Year	No	8	Grade 8 ONLY
Exploring Computers	ELECTIVE	Half Year	No	6-7	

Business Essentials

Course #:
Credit: Half Year
Credit Type: ELECTIVE
Grade Level: 8

Business Essentials provides a foundation for students as they are beginning to learn about the world of business. Students will examine current events to determine their impact on business and industry and legal and ethical behavior. Students will investigate how to make a business productive and how to manage company resources to achieve goals. Finally, students will be able to identify employability and personal skills needed to obtain a career and be successful in the workplace.

Career Exploration

Course #: 10073021
Credit: Half Year
Credit Type: ELECTIVE
Grade Level: 6-8

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests, with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

Career and Life Planning

Course #:
Credit: Half Year
Credit Type: ELECTIVE
Grade Level: 8

This course will introduce students to the skills and strategies needed to be focused, productive individuals. Emphasis is placed on goal setting, decision making and time and personal management. Development of workplace skills, knowledge and attitudes needed to be successful in various career, community and family settings will be incorporated throughout this course.

Code Creators

Course #: 10091021
Credit: Half Year
Credit Type: ELECTIVE
Grade Level: 6-8

This elective course will cover the basics of Computer Programming using a variety of programming languages and goals.

Computer Applications

Course #: 10081007
Credit: Half Year
Credit Type: ELECTIVE
Grade Level: 8

In Computer Applications courses, students acquire knowledge of and experience in the proper and efficient use of previously written software packages. These courses explore a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.

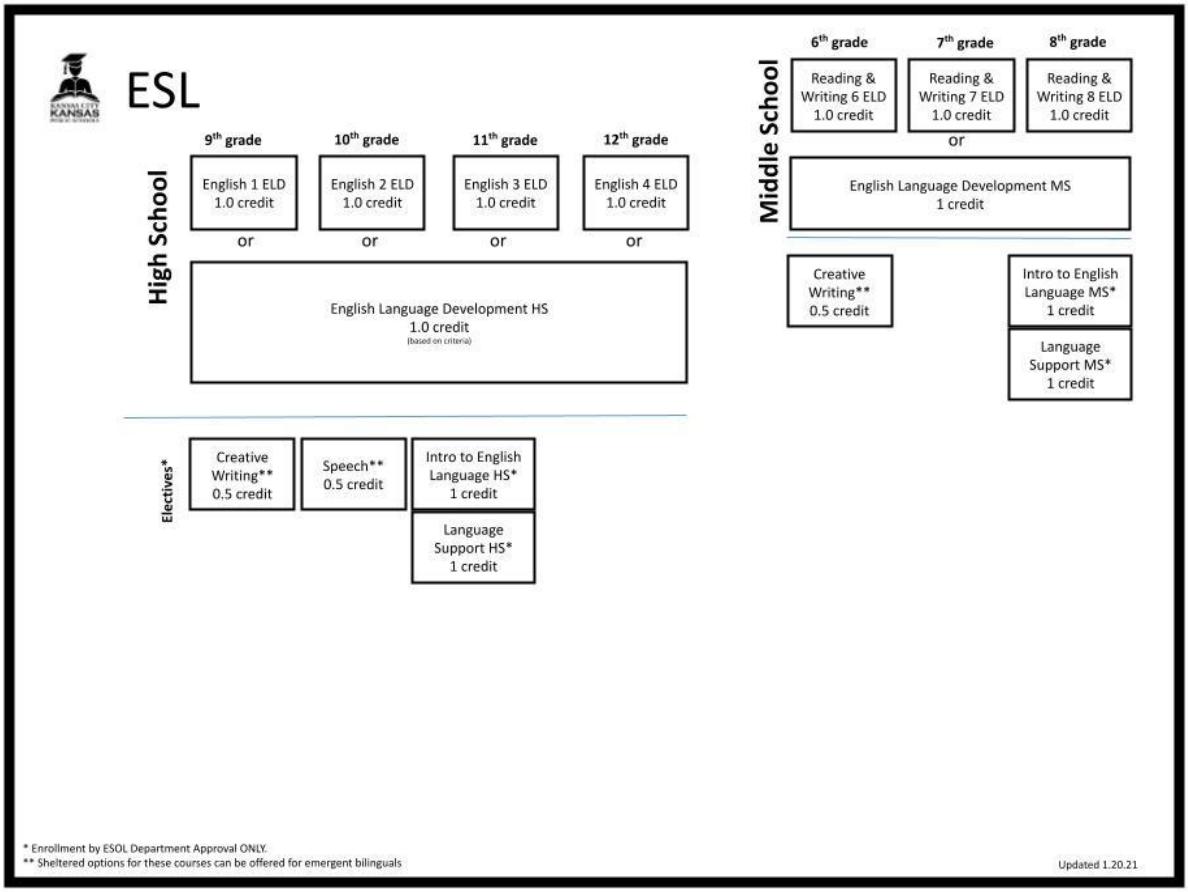
Exploring Computers

Course #: 10061021
Credit: Half Year
Credit Type: ELECTIVE
Grade Level: 6-7

This elective course explores basic computer applications, internet safety, and software development.

ESOL – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
English Language Development MS	ELECTIVE	Full Year	No	6-8	Max enrollment 20
Reading & Writing 6 ELD	English	Full Year	No	6	Max enrollment 20
Reading & Writing 7 ELD	English	Full Year	No	7	Max enrollment 20
Reading & Writing 8 ELD	English	Full Year	No	8	Max enrollment 20
Introduction to English Language MS	ELECTIVE	Full year	No	6-8	Central MS ONLY. Enrollment by ESOL department approval ONLY. Must be co-enrolled in Language Support MS.
Language Support MS	ELECTIVE	Full Year	No	6-8	Central MS ONLY. Enrollment by ESOL department approval ONLY. Must be co-enrolled in Introduction to English Language MS.
Introduction to Creative Writing	ELECTIVE	Half Year	No	6-8	See course description in English



English Language Development MS

Course #: 15061050 Credit Type: ELECTIVE

Credit: Full Year Grade Level: 6-8

This course is designed for students with some to adequate formal education in L1, but beginning or early English language proficiency, to begin developing proficiency in reading, writing, listening, and speaking in English. This course is designed to provide foundational language skills for students; therefore, it is to only be taken once by students.

Reading & Writing 6 ELD

Course #: 15061042
Credit: Full Year
Credit Type: English
Grade Level: 6

This Language Arts course is designed for multilinguals still developing their English language proficiency. It builds upon a student's prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and includes the four aspects of language use: reading, writing, speaking, and listening. This course emphasizes the use of language for different effects, in different contexts, and for different purposes. Students can expect to read a variety of fiction and non-fiction including novels, short stories, dramas, poetry, and essays. This course provides an integrated balance of reading narrative and information texts, along with writing tasks appropriate to grade level 6. Students will become proficient at gathering information, evaluating sources, and citing material accurately, reporting findings from their research and analysis of sources in a clear manner. To be college and career ready writers, students must take task, purpose, and audience into careful consideration, choosing words, information, structures, and formats deliberately. Through an integrated approach, skills and strategies will be developed and applied through the Kansas College and Career Readiness Standards. This course must be taught by an ESOL endorsed teacher in order to provide scaffolds for the language development while meeting grade-level standards.

Reading & Writing 7 ELD

Course #: 15071042
Credit: Full Year
Credit Type: English
Grade Level: 7

This Language Arts course is designed for multilinguals still developing their English language proficiency. It builds upon a students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and includes the four aspects of language use: reading, writing, speaking, and listening. This course emphasizes the use of language for different effects, in different contexts, and for different purposes. Students can expect to read a variety of fiction and non-fiction including novels, short stories, dramas, poetry, and essays. This course provides an integrated balance of reading narrative and information texts, along with writing tasks appropriate to grade level 7. Students will become proficient at gathering information, evaluation sources, and citing material accurately, reporting findings from their research and analysis of sources in a clear manner. To be college and career ready writers, students must take task, purpose, and audience into careful consideration, choosing words, information, structures, and formats deliberately. Through an integrated approach, skills and strategies will be developed and applied through the Kansas College and Career Readiness Standards. This course must be taught by an ESOL endorsed teacher in order to provide appropriate scaffolds for the language development while meeting grade-level standards.

Reading & Writing 8 ELD

Course #: 15081042
Credit: Full Year
Credit Type: English
Grade Level: 8

This Language Arts course is designed for multilinguals still developing their English language proficiency. It builds upon a students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and includes the four aspects of language use: reading, writing, speaking, and listening. This course emphasizes the use of language for different effects, in different contexts, and for different purposes. Students can expect to read a variety of fiction and non-fiction including novels, short stories, dramas, poetry, and essays. This course provides and integrated balance of reading narrative and informational texts, along with writing tasks appropriate to grade level 8. Students will become proficient at gathering information, evaluating sources, and citing material accurately, reporting findings from their research and analysis of sources in a clear manner. To be college and career ready writers, students must take task, purpose, and audience into careful consideration choosing words, information, structures, and formats deliberately. Through an integrated approach, skills and strategies will be developed and applied through the Kansas College and Career Readiness Standards. This course must be taught by and ESOL endorsed teacher in order to provide appropriate scaffolds for the language development while meeting grade-level standards.

Introduction to English Language MS

Course #: 15060102
Credit: Full Year
Credit Type: ELECTIVE
Grade Level: 6-8

(Central Middle School ONLY) – This course is designed for students with limited or no formal education and beginning development in English to develop basic literacy skills in reading, writing, listening, and speaking English. Students enrolled in Introduction to English Language MS must concurrently be enrolled in Language Support MS. Enrollment in the course is by ESOL Department approval only.

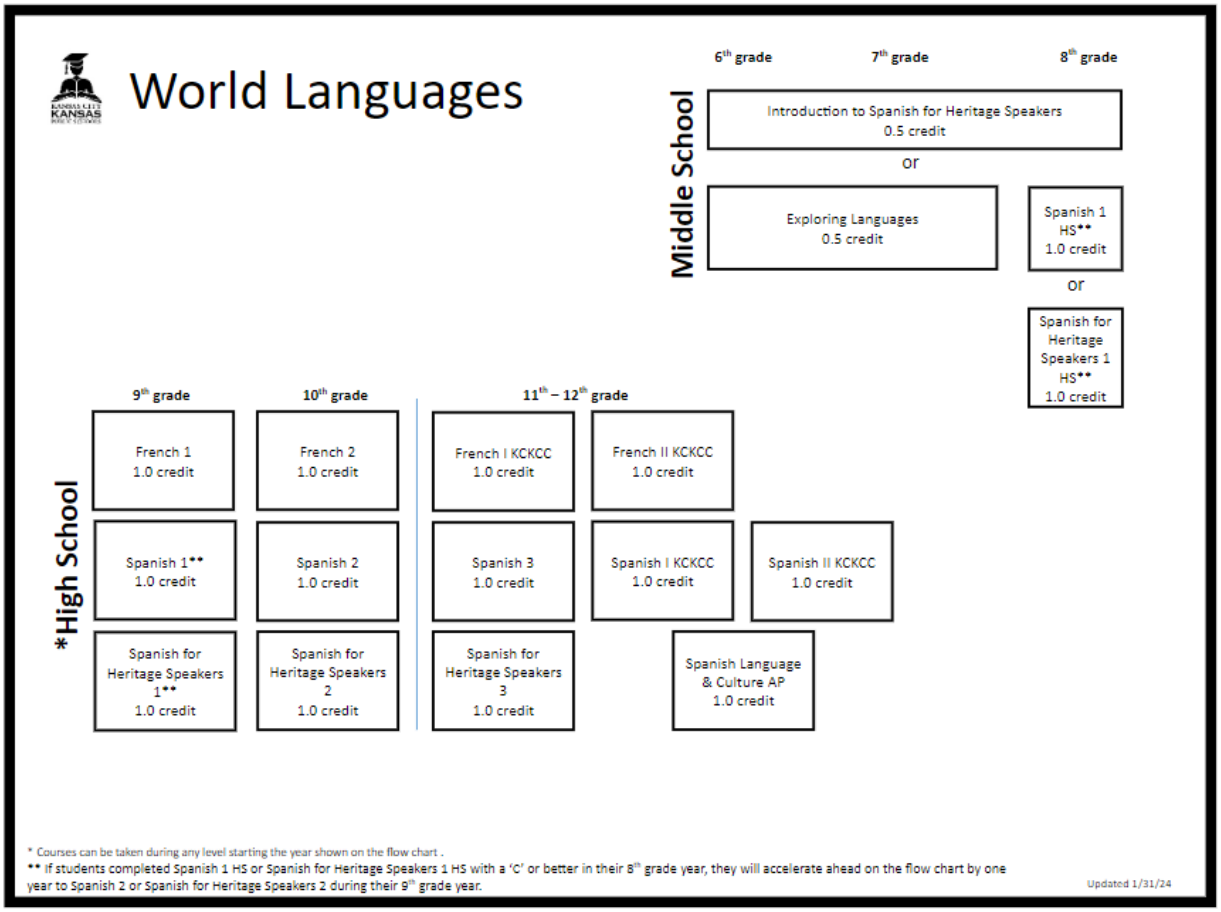
Language Support MS

Course #: 15060130
Credit: Full Year
Credit Type: ELECTIVE
Grade Level: 6-8

(Central Middle School ONLY) – This course is designed for students with limited or no formal education and beginning development in English to develop basic literacy skills in reading, writing, listening, and speaking English. Students enrolled in Language Support MS must concurrently be enrolled in Introduction to English Language MS. Enrollment in the course is by ESOL Department approval only.

World Language – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Exploring Languages	World Languages	Half Year	No	6-7	
Spanish 1 HS	World Languages	1.0	No	8	Grade 8 ONLY
Spanish Heritage Speakers 1 HS	World Languages	1.0	No	8	Grade 8 ONLY



Exploring Languages

Course #: 10075678
Credit: Half Year
Credit Type: World Languages
Grade Level: 6-7

In this course, students will explore the diversity of language in our community and throughout the world. They will be introduced to the languages spoken and taught within KCK and study what it means to be multilingual according to culture, communities, and communication. Students will begin to compare languages and make connections between language learning and other content areas.

Spanish 1 HS

Course #: 05072002
Credit: 1.0
Credit Type: World Languages
Grade Level: 8

This course is designed for students with little or no experience learning Spanish. Students study basic language structures and vocabulary in context. Students will be able to use individual words and short phrases to speak and write in Spanish and answer basic comprehension questions about information they read and hear. Students will also learn about Hispanic/Latinx culture including practices, products, and perspectives associated with the topics of the course.

Spanish Heritage Speakers 1 HS

Course #: 05071022
Credit: 1.0
Credit Type: World Languages
Grade Level: 8

This course is designed for heritage/native speakers of Spanish at a Novice-High proficiency level. Students will develop, maintain, and enhance proficiency through listening, speaking, reading, and writing. Students will explore the cultures of Hispanic/Latinx communities, including their own, in order to recognize the value of their language and experiences.

STEM – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Automation and Robotics	ELECTIVE	Half Year	No	7	Not available at Carl B Bruce or Central MS
Computer Science for Innovation and Makers	ELECTIVE	Half Year	No	7	
Energy and the Environment	ELECTIVE	Half Year	No	6	Arrowhead and Eisenhower MS ONLY
Medical Detectives	ELECTIVE	Half Year	No	8	
Science of Technology	ELECTIVE	Half Year	No	6	

Automation and Robotics

Course #: 10073627 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 7

(Not available at Carl B Bruce or Central Middle School) Students are given the opportunity to combine mechanisms with input and output devices to automate the mechanisms. Construction and programming skills are layered, and projects and the problem provide students the opportunity to connect their learning throughout the lessons in the unit. Students take on the role of interns, and work in teams to identify design requirements and create prototypes to meet the needs of clients. They also explore different aspects of automation and robotics, and experience how solving real-life problems involves the teamwork of mechanical engineers, software developers, and electrical engineers.

Computer Science for Innovation and Makers

Course #: 10074523 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 7

This unit will allow students to discover computer science concepts and skills by creating personally relevant, tangible, and shareable projects. Throughout the unit, students will learn about programming for the physical world by blending hardware design and software development. They will design and develop a physical computing device, interactive art installation, or wearable, and plan and develop code for microcontrollers that bring their physical designs to life. Physical computing projects will promote student awareness of interactive systems, including Internet of Things (IoT) devices, and broaden their understanding of abstract computer science concepts through meaningful and authentic applications.

Energy and the Environment

Course #: 10076025 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 6

(Arrowhead and Eisenhower Middle School ONLY) Students are challenged to think big and toward the future as they explore sustainable solutions to our energy needs and investigate the impact of energy on our lives and the world. They design and model alternative energy sources and evaluate options for reducing energy consumption.

Medical Detectives

Course #: 10091023 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 8

Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries through hands-on projects and labs, measure and interpret vital signs, examine nervous system structure and function, and investigate disease outbreaks.

Science of Technology

Course #: 10078325 Credit Type: ELECTIVE
Credit: Half Year Grade Level: 6

Science impacts the technology of yesterday, today, and the future. Students apply the concepts of physics, chemistry, and nanotechnology to STEM activities and projects, including making ice cream, cleaning up an oil spill, and discovering the properties of nano-materials.

Additional Electives – Middle School

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
AVID 08	ELECTIVE	Full Year	No	8	
KS Jobs for Americas Grads – MS	ELECTIVE	Full Year	No	6-8	Carl B Bruce MS ONLY

AVID 08

Course #: 99082010
Credit Type: ELECTIVE
Credit: Full Year
Grade Level: 8

Advancement Via Individual Determination (AVID) is a program to prepare students for higher-level courses such as Pre-AP/AP courses, dual/concurrent class, TEC, and/or post-secondary education. AVID course work focuses on entrance and placement exams, career and college knowledge, test-taking strategies, refining Cornell note-taking strategy, time management, organizational skills, and presentation methods. This full-year course is meant to be followed by additional years of participation in the program.

KS Jobs for Americas Grads - MS

Course #: 19061001
Credit Type: ELECTIVE
Credit: Full Year
Grade Level: 6-8

(Carl B Bruce Middle School ONLY). Content information available from building administration and JAG teachers.

High School Credits – Middle School

High School Credit:
High school credit for successful completion of outcomes shall be based on the grades determined by the student's teachers of record for the courses in which the student is enrolled each semester. High school credit shall be awarded for the letter grades of "A", "B", "C", "D" or "P" if in accordance with an approved Pass/Not Passed option. High school credit shall not be awarded for grades of "F" or "I" for incomplete. With the exception of quarter credit classes, all course credits will be issued on a semester basis.

Each high school shall organize its program on the basis of units of credit. "Unit of credit" means one unit of credit earned for satisfactory completion of any approved subject taught for a minimum of one class period for two semesters or two class periods for one semester. One-half unit of credit shall be earned for approved subjects taught for a minimum of one class period for one semester or two class periods for one quarter.

Course Name	Credit Type	Credit	College Credit	Grade	Other Information
Algebra 1 HS+	Math	1.0	No	8	Grade 8 ONLY - See description in Math
Spanish 1 HS	World Languages	1.0	No	8	Grade 8 ONLY - See description in World Languages
Spanish Heritage Speakers 1 HS	World Languages	1.0	No	8	Grade 8 ONLY - See description in World Languages

High School Grading Policy

IHA – Grading System Policy from School/Parent Handbook
The purpose of grading shall be to communicate student learning with students and parents/guardians. The communication shall be as such to invite participation within the student's learning process. Grades shall communicate student learning relative to clearly stated instructional expectations based on the standards of the content. Grades shall be mainly determined by assessments in the form of, but not limited to written tests, essays, science experiments, multimedia presentations, products, performances, works of art, speeches, demonstrations, etc. Daily assignments, class participation, application of skills, etc. can be considered as a portion of the grade.

Report cards for all students shall be sent home and posted in the online gradebook four times a year at the end of a quarter. In addition, progress reports for all students shall be issued at the midpoint of each quarter. Grades shall be updated in the online gradebook each week (approximately 10 per quarter) to keep everyone informed of student progress.

Grading Scale:
All student work is based on standards. Grades cannot be explicitly used for reward or punishment. Grading practices cannot place a student in a situation where he/she is doomed to fail mid-year with no recourse.

Grade Scales-Student performance shall be communicated using the appropriate grade-level scale.

The scale for reporting grades in Grades 6 through 12.

- A – 90-100%
- B – 80-89%
- C – 70-79%
- D – 60-69%
- F – 59% or below
- I – Incomplete

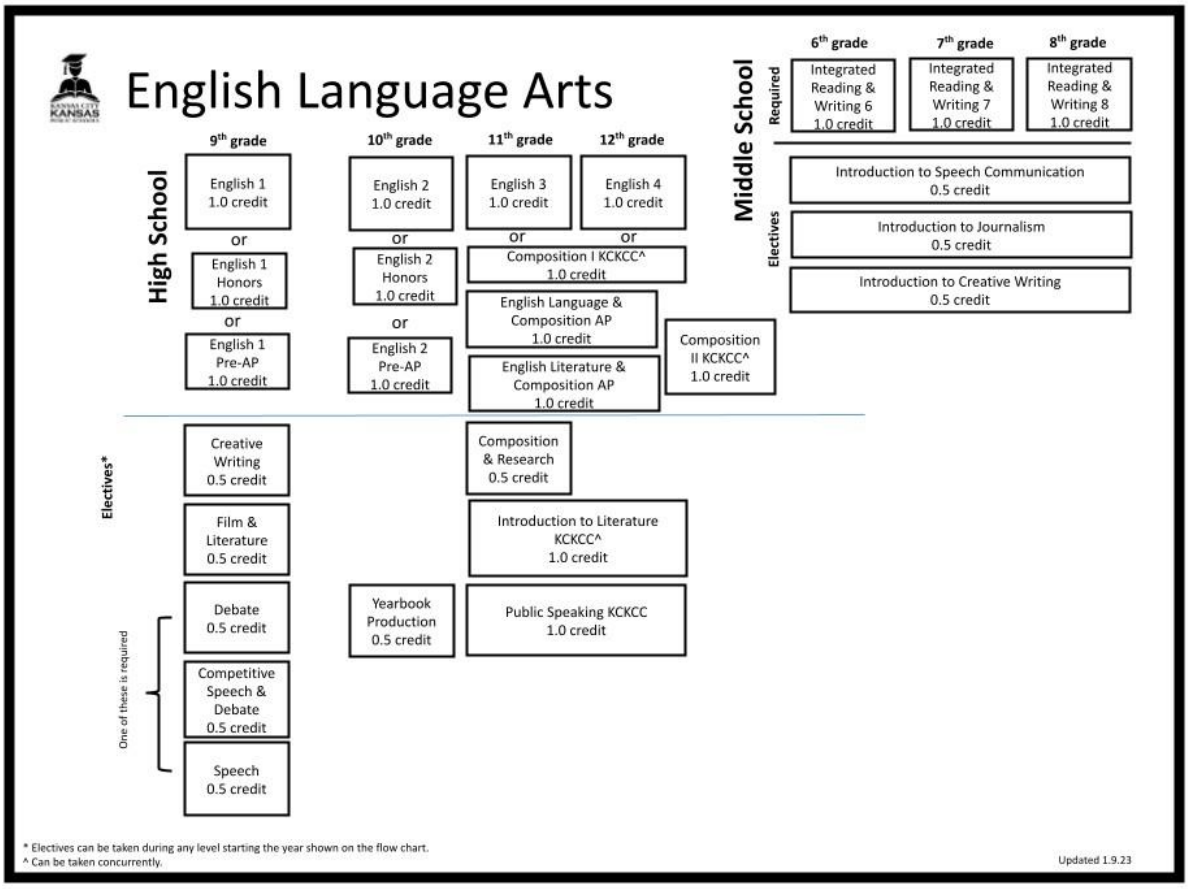
High School Credit:
High school credit for successful completion of outcomes shall be based on the grades determined by the student's teachers of record for the courses in which the student is enrolled each semester. High school credit shall be awarded for the letter grades of "A", "B", "C", "D" or "P" if in accordance with an approved Pass/Not Passed option. High school credit shall not be awarded for grades of "F" or "I" for incomplete. With the exception of quarter credit classes, all course credits will be issued on a semester basis.

Each high school shall organize its program on the basis of units of credit. "Unit of credit" means one unit of credit earned for satisfactory completion of any approved subject taught for a minimum of one class period for two semesters or two class periods for one semester. One-half unit of credit shall be earned for approved subjects taught for a minimum of one class period for one semester or two class periods for one quarter.

High School Courses

English Language Arts – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
English 1	English	1.0	No	No	9-12	
English 1 Honors	English	1.0	No	No	9-12	
English 2	English	1.0	No	Yes	10-12	
English 2 Honors	English	1.0	No	Yes	10-12	
English 3	English	1.0	No	Yes	11-12	
English 4	English	1.0	No	Yes	11-12	
Composition I KCKCC	English	1.0	Yes	Yes	11-12	
Composition II KCKCC	English	1.0	Yes	Yes	11-12	
Creative Writing	ELECTIVE	0.5	No	No	9-12	
Classic Film & Literature	ELECTIVE	0.5	No	No	9-12	
Debate	ELECTIVE	0.5	No	No	9-12	
Competitive Speech & Debate	ELECTIVE	0.5	No	No	9-12	
Speech	ELECTIVE	0.5	No	No	9-12	
Yearbook Production	ELECTIVE	1.0	No	No	10-12	
Composition & Research	ELECTIVE	0.5	No	No	11-12	
Introduction to Literature KCKCC	English	1.0	Yes	Yes	11-12	
Public Speaking KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	
English 1 Pre-AP	English	1.0	No	No	9-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
English 2 Pre-AP	English	1.0	No	No	10-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
English 3 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY
English 4 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY
English Language & Composition AP	English	1.0	No	No	11-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
English Language & Literature 3 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY
English Language & Literature 4 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY
English Literature & Composition AP	English	1.0	No	No	11-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
Personal/Professional Skills 1 IB	ELECTIVE	1.0	No	No	11-12	
Personal/Professional Skills 2 IB	ELECTIVE	1.0	No	No	11-12	
Research Project IB	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Theory of Knowledge 1 IB	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Theory of Knowledge 2 IB	ELECTIVE	0.5	No	No	11-12	Sumner Academy ONLY



English 1

Course #: 01091020
Credit: 1.0
Credit Type: English
Grade Level: 9-12

English 1 is a standards-based course focusing on thematic units of study appropriate to grade level 9. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies.

English 1 Honors

Course #: 01091042
Credit: 1.0
Credit Type: English
Grade Level: 9-12

English 1 Honors is a standards-based course focusing on thematic units of study as in English 1. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies. Students should expect varying reading and writing tasks than those assigned in English 1. This course requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course.

English 2

Course #: 01101020
Credit: 1.0
Pre-Req: English 1 or English 1 Honors
Credit Type: English
Grade Level: 10-12

English 2 is a standards-based course focusing on thematic units of study appropriate to grade level 10. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies.

English 2 Honors

Course #: 01101042
Credit: 1.0
Pre-Req: English 1 or English 1 Honors

Credit Type: English
Grade Level: 10-12

English 2 Honors is a standards-based course focusing on thematic units of study as in English 2. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies. Students should expect varying reading and writing tasks than those assigned in English 2. This course requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this challenging course.

English 3

Course #: 01111020
Credit: 1.0
Pre-Req: English 2 or English 2 Honors

Credit Type: English
Grade Level: 11-12

English 3 is a standards-based course focusing on thematic units of study appropriate to grade level 11. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies.

English 4

Course #: 01121020
Credit: 1.0
Pre-Req: English 3, Composition I KCKCC, Intro to Literature KCKCC

Credit Type: English
Grade Level: 11-12

English 4 is a standards-based course, focusing on thematic units of study appropriate to grade level 12. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies.

Composition I KCKCC

Course #: 01109021
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 3.0+ and 'B' **or** better in most recent English or ACT Reading/English 18 (SAT 500)

Credit Type: English
Grade Level: 11-12
College Credit Earned: 3 hours

This is the high school course for KCKCC ENGL-0101 - Composition I, 3 credit hours KCKCC Description: Composition 101 is the first of two required composition courses. It is designed to help students achieve language proficiency and write paragraphs and essays which demonstrate unity, coherence, and levels of usage appropriate to the topic, purpose, and audience. Pre-requisites: Accuplacer Score of 255+ on Reading AND Writing or ACT English Score of 18+.

Composition II KCKCC

Course #: 01119011
High School Credit: 1.0
Pre-Req: successful completion of Composition I KCKCC

Credit Type: English
Grade Level: 11-12
College Credit Earned: 3 hours

This is the high school course for KCKCC ENGL-0102 - Composition II, 3 credit hours KCKCC Description: Composition 102 is the second of two required composition courses. A continuation ofENGL-0101, Composition I, this course emphasizes research, bibliographic, and writing skills. Students write a minimum of four (4) graded documented essays in MLA format. Pre-requisites: Completion of Composition I, Engl 0101 w/ grade C or higher. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Debate

Course #: 01095011
Credit: 0.5

Credit Type: English
Grade Level: 9-12

This fall semester course is designed to support students to prepare and perform in debate competitions. This course offers students the opportunity to learn how to use oral skills in formal and informal situations. Students will be able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. This course introduces students to the methods, aims, and styles used in various kinds of debates. Students are expected to participate in at least four interscholastic tournaments. Tournaments take place outside of the regular school day and may include weekends.

Competitive Speech & Debate

Course #: 01095061
Credit: 0.5
Credit Type: English
Grade Level: 9-12

This spring semester course is designed to help students prepare and perform in public speaking, acting, and/or debate competitions. Students will learn skills such as oral interpretation of literature, logic and reasoning, the organization of thought and supporting materials, and effective presentation of one's voice and body. The student is expected to participate in at least two of the above-mentioned areas in at least three Friday/Saturday interscholastic tournaments/competitions.

Speech

Course #: 01093001
Credit: 0.5
Credit Type: English
Grade Level: 9-12

This semester course examines speech situations relevant to a high school student. Detailed work on research, outlining, and organization are covered in this course. Basic research and techniques of effective delivery are developed through various types of speeches. Thinking, language, bodily action and voice are studied to increase proficiency and the development of logical reasoning. The student studies the prime factors in speech-making: the speaker, the audience, the development of the subject, and the choice of language. Activities help the student overcome inhibitions and achieve a style of speaking which is correct, effective, and as natural as possible.

Introduction to Literature KCKCC

Course #: 01102033
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 3.0+ and 'B' **or** better in most recent English or ACT Reading/English 18 (SAT 500)
Credit Type: English
Grade Level: 11-12
College Credit Earned: 3 hours

This is the high school course for KCKCC ENGL-0104 - Introduction to Literature, 3 credit hours KCKCC Description: Introduction to Literature explores the literary elements of the short story, poem, novel, play, and essay. As students read and discuss representative works by well-known authors, they will form baseline knowledge regarding a writer's style and the distinctive features of different genres. Moreover, students will come to understand their own literary preferences while developing an appreciation for quality literature. Pre-requisites: Accuplacer Score of 255+ on Reading AND Writing or ACT English Score of 18+. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

English 1 Pre-AP

Course #: 01091055
Credit: 1.0
Credit Type: English
Grade Level: 9-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) English 1 is a standards-based course focusing on thematic units of study appropriate to grade level 9. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies.

English 2 Pre-AP

Course #: 01101055
Credit: 1.0
Credit Type: English
Grade Level: 10-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) English 2 is a standards-based course focusing on thematic units of study appropriate to grade level 10. The curriculum comprises a variety of literary and informational text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluating the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies.

English 3 IBH

Course #: 01141002
Credit: 1.0
Credit Type: English
Grade Level: 11-12

(Sumner Academy ONLY) IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve students accuracy and fluency in the English language.

English 4 IBH

Course #: 01141012
Credit: 1.0

Credit Type: English
Grade Level: 11-12

(Sumner Academy ONLY) IB Language A (English) courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors and written analyses of this literature in addition to other oral and written assignments. All course content is designed to improve student's accuracy and fluency in the English language.

English Language & Composition AP

Course #: 01111402
Credit: 1.0

Credit Type: English
Grade Level: 11-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

English Language & Literature 3 IBH

Course #: 01141022
Credit: 1.0

Credit Type: English
Grade Level: 11-12

(Sumner Academy ONLY) The language and literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text-types. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. This course is organized into three areas of exploration and several central concepts, and focuses on the study of both literary or non-literary texts. Together, the three areas of exploration of the course allow the student to explore the language in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.

English Language & Literature 4 IBH

Course #: 01141032
Credit: 1.0

Credit Type: English
Grade Level: 11-12

(Sumner Academy ONLY) The language and literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary forms and non-literary text-types. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. This course is organized into three areas of exploration and several central concepts, and focuses on the study of both literary or non-literary texts. Together, the three areas of exploration of the course allow the student to explore the language in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and also the ability to present their ideas effectively. A key aim is the development of critical literacy.

English Literature & Composition AP

Course #: 01111406
Credit: 1.0

Credit Type: English
Grade Level: 11-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. (Rev. Jan. 2020)

Personal/Professional Skills 1 IB

Course #: 01147022
Credit: 1.0

Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) Personal and Professional Skills is designed for students to develop attitudes, skills and strategies to be applied to personal and professional situations and contexts now and in the future. In this course, the emphasis is on skill development for the workplace, as these skills are transferable and can be applied in a range of situations. (IBO.org) Themes such as the thinking processes, intercultural understanding, effective communication, personal development, and applied ethics will be covered in this 3-semester course. The following 3 aspects of the CORE are monitored during the PPS class and are part of the completion requirements for the CP program. A separate "research project" half credit is earned first semester of senior year for the successful Reflective Project completion.

Personal/Professional Skills 2 IB

Course #: 01147024
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) PPS is designed for students to develop attitudes, skills and strategies to be applied to personal and professional situations and contexts now and in the future. In this course, the emphasis is on skill development for the workplace, as these skills are transferable and can be applied in a range of situations. (IBO.org) Themes such as the thinking processes, intercultural understanding, effective communication, personal development, and applied ethics will be covered in this 3-semester course. The following 3 aspects of the CORE are monitored during the PPS class and are part of the completion requirements for the CP program. A separate "research project" half credit is earned first semester of senior year for the successful Reflective Project completion.

Creative Writing

Course #: 01113001
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 9-12

Creative Writing offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, and other forms of prose. The emphasis of the course is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. This course may cover several expressive forms, or concentrate exclusively on one particular form (such as poetry or playwriting). This semester-course focuses on the process and products of creative writing. In this class, students will examine models of writing, including exemplary representations and authors, and they will create their own original pieces in various genres, including poetry, short stories, essays, dramas and other modes. This course may cover several expressive forms, or concentrate exclusively on one particular form (such as poetry or playwriting).

Classic Film & Literature

Course #: 011290512
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 9-12

This half credit semester-course focuses on four objectives: to familiarize students with film genres, terminology, and techniques; to analyze film through literary modes; to sharpen critical analysis of all aspects of film; and to instill an appreciation of film as a cultural medium and an art form, not just entertainment. Students will examine works presented in two different media to gain insight and understanding into the workings of those media, including their biases and their strengths.

Yearbook Production

Course #: 01106012
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 10-12

This course is designed to develop students' skills in yearbook production by providing experiences in selected aspects of yearbook production. Students learn basic principles of yearbook production and develop skills that include writing copy, captions and headlines; digital photography; desktop publishing and using appropriate technology tools for media production. Yearbook Production supports student's development as writers, photographers, editors, independent users of technology, and overall responsible contributing members of their school community.

Composition & Research

Course #: 01119001
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 11-12

Composition and Research involves a refinement of composition skills with special focus on those skills necessary to conduct a successful research project or Senior Exhibition. Students should be scheduled in sections according to their selected graduation paths. Students will select and narrow a topic relating to their chosen graduation paths, create a working bibliography, evidence from a variety of sources, develop note cards, organize their note cards to create an outline, develop a thesis, write an effective introduction and conclusion, use appropriate (according to area of study) documentation in the MLA, APA, or other format, write an effective body, include a bibliography of works cited, and produce a quality final product. The course also introduces students to a variety of on-line services and databases to assist in research and writing. (Note: Students will be exposed to Chicago style citations, but MLA and APA citation style(s) are emphasized.)

Public Speaking KCKCC

Course #: 01113042
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 3.0+ and 'B' **or** better in most recent English or ACT Reading/English 18 (SAT 500)
Credit Type: ELECTIVE
Grade Level: 11-12
College Credit Earned: 3 hours

This is the high school course for KCKCC SPCH-0151 - Public Speaking, 3 credit hours KCKCC Description: This is a basic speech course dealing with the oral communication process through the study of public speaking. Students will learn to select topics, analyze their audience, organize

and gather support for a speech, improve delivery skills and reduce communication apprehension, listen for information and evaluation purposes, and distinguish between different types of speeches. Each student will develop and deliver a minimum of four speeches during the course. Pre-requisites: Accuplacer Score of 255+ on Reading AND Writing or ACT English Score of 18. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Research Project IB

Course #: 01147011
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) Research/Technical Writing classes prepare students to write research papers and/or technical reports. These classes emphasize researching (primary and secondary sources), organizing (material, thoughts, and arguments), and writing in a persuasive or technical style.

Theory of Knowledge 1 IB

Course #: 01147012
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11-12

Theory of Knowledge I is designed to encourage students to integrate knowledge from various academic disciplines by looking at their interrelationship. Students also reflect upon previously acquired knowledge and explore the questions "What do I know?" and "How do I know it?" by looking at how opinions and beliefs compare and contrast to faith, truth and knowledge. In addition, students are asked to analyze moral and political issues as well as aesthetic values and judgements.

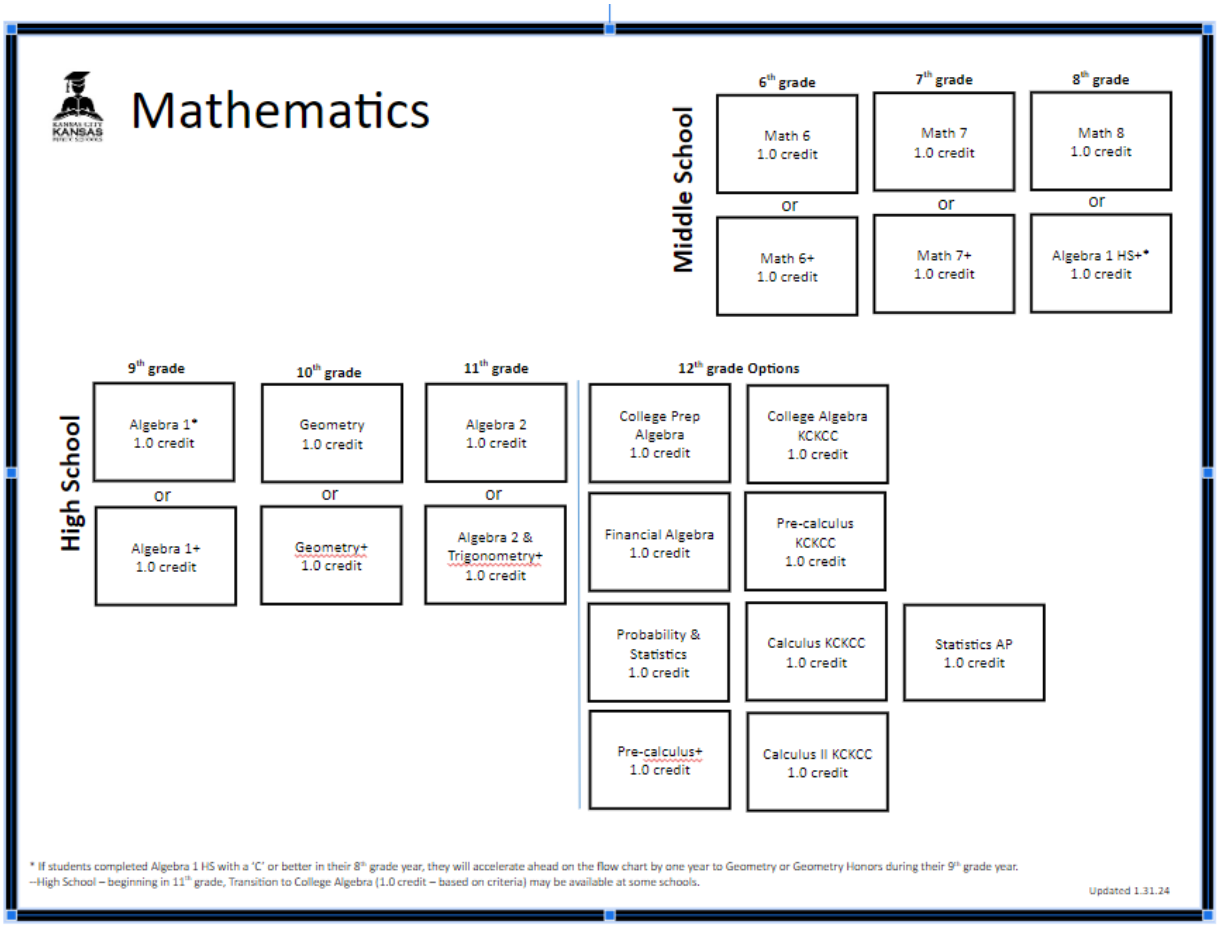
Theory of Knowledge 2 IB

Course #: 01147014
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 11-12

Theory of Knowledge II is a continuation of the first in terms of content and objectives. Students will be guided to: critically analyze knowledge claims; demonstrate understanding of differing perspectives on knowledge issues; clearly communicate their supported personal responses to knowledge issues. They will read articles on a variety of topics and discuss or write their reactions and analyses. They will prepare for and deliver the IB oral assessment and write the IB essay assessment. They will discuss and write about their CAS volunteer experiences. During the first semester they will also spend time working on their extended essays.

Mathematics – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Algebra 1	Math	1.0	No	No	9-12	
Algebra 1+	Math	1.0	No	No	9-12	
Geometry	Math	1.0	No	Yes	9-12	
Geometry+	Math	1.0	No	Yes	9-12	
Algebra 2	Math	1.0	No	Yes	10-12	
Algebra 2/Trigonometry+	Math	1.0	No	Yes	10-12	
College Prep Algebra	Math	1.0	No	Yes	11-12	
Financial Algebra	Math	1.0	No	Yes	11-12	
Probability & Statistics	Math	1.0	No	Yes	11-12	
Pre-calculus+	Math	1.0	No	Yes	11-12	
College Algebra KCKCC	Math	1.0	Yes	Yes	11-12	
Pre-calculus KCKCC	Math	1.0	Yes	Yes	11-12	
Calculus KCKCC	Math	1.0	Yes	Yes	11-12	
Calculus II KCKCC	Math	1.0	Yes	Yes	11-12	
Statistics AP	Math	1.0	No	No	11-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
Statistics KCKCC	Math	1.0	Yes	Yes	11-12	
Transition to College Algebra	Math	1.0	No	No	11-12	
Trigonometry KCKCC	Math	1.0	Yes	Yes	11-12	
Math Analysis & Approach 1 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY
Math Analysis & Approach 1 IBS	Math	1.0	No	No	11-12	Sumner Academy ONLY
Math Analysis & Approach 2 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY
Math Analysis & Approach 2 IBS	Math	1.0	No	No	11-12	Sumner Academy ONLY
Math Applications & Interpretation 1 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY
Math Applications & Interpretation 1 IBs	Math	1.0	No	No	11-12	Sumner Academy ONLY
Math Applications & Interpretation 2 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY
Math Application & Interpretation 2 IBS	Math	1.0	No	No	11-12	Sumner Academy ONLY



Algebra 1

Course #: 02091920
Credit: 1.0
Prerequisite: Math 8

Credit Type: Math
Grade Level: 9-12

The critical areas in Algebra 1 deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend. Students engage in methods for analyzing, solving, and using quadratic functions. Algebra 1 is a high school level course and is also available to all 8th grade students based on the recommendation of the 7th grade math teacher or successful completion of Math 7 Honors.

Algebra 1+

Course #: 02091030
Credit: 1.0
Prerequisite: Math 8 with placement test

Credit Type: Math
Grade Level: 9-12

Algebra 1+ is available for students seeking to be academically challenged. The course expands and enriches the critical content of Algebra 1 to prepare students for future academic success in mathematics, catering to students pursuing college credit classes at the high school level. Any student can access this course, but an entrance exam will be administered and discussed with the family before students are admitted.

Geometry

Course #: 02101940
Credit: 1.0
Pre-Req: Algebra 1 or Algebra 1+

Credit Type: Math
Grade Level: 9-12

Geometry offers a formalized and extended exploration of geometric and algebraic principles. The course emphasizes deepening geometric relationships through logical arguments, fostering a robust understanding of similarity, constructing evidence-based arguments using properties and theorems, and exploring the connection between the coordinate system and previously learned topics. Students apply these geometric concepts to model real-world situations, reinforcing the practical applications of geometry in various contexts.

Geometry+

Course #: 02092026
Credit: 1.0
Pre-Req: Algebra 1 or Algebra 1+ with placement test
Credit Type: Math
Grade Level: 9-12

Geometry+ is an advanced course that offers an in-depth exploration of essential Geometry concepts, providing a richer and more intellectually stimulating experience. While this course doesn't offer college credit, its primary objective is to prepare students for sustained academic excellence in mathematics. It sets a strong foundation for those who wish to pursue college-level mathematics courses later in high school.

Algebra 2

Course #: 02101040
Credit: 1.0
Pre-Req: Geometry and Algebra 1
Credit Type: Math
Grade Level: 10-12

Algebra 2 builds on work with linear, quadratic, and exponential functions; students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and solve equations, including quadratic equations, over the set of complex numbers and solving exponential equations using the properties of logarithms.

Algebra 2/Trigonometry+

Course #: 02102240
Credit: 1.0
Pre-Req: Geometry or Geometry+ with placement test
Credit Type: Math
Grade Level: 10-12

This course extends student understanding of mathematical functions to include polynomial, rational, and radical functions. Throughout the course, students will work closely with the expressions that define these functions, expanding and refining their abilities to model real-world situations and solve various equations. This includes the mastery of solving quadratic equations over a set of complex numbers and exponential equations using the properties of logarithms. Additionally, the curriculum emphasizes trigonometric ratios and their applications.

College Prep Algebra

Course #: 02111060
Credit: 1.0
Pre-Req: Algebra 2 or Algebra 2 & Trigonometry+
Credit Type: Math
Grade Level: 11-12

College Prep Algebra is available for students after completing either Algebra 2 or Algebra 2 & Trigonometry Honors. The purpose of this course is to prepare students to be successful in College Algebra. Instruction emphasizes a more in depth look at quadratic and polynomial equations with real and complex solutions, exponential and logarithmic equations and functions, and rational expressions. Other topics include transformations, sequences and series, conics, and trigonometry.

Financial Algebra

Course #: 02111040
Credit: 1.0
Pre-Req: Algebra 2 or Algebra 2 & Trigonometry+
Credit Type: Math
Grade Level: 11-12

Financial Algebra is available for students after completing two credits of mathematics. The course is designed to develop a strong foundation in logical thinking and problem solving that will enable students to make informed decisions regarding matters of money and finance in their daily lives. This course furthers the development of various functions, representations of data, principles of business and personal finance and basics economics.

Probability & Statistics

Course #: 02113030
Credit: 1.0
Pre-Req: Algebra 2 or Algebra 2 & Trigonometry+
Credit Type: Math
Grade Level: 11-12

Probability and Statistics is available for students after completing two credits of mathematics. The purpose of this course is to introduce students to real-life examples of counting methods, probability, descriptive statistics, graphs of data, the normal curve, statistical inference, and linear regression. The course focuses on the use of statistics in context in various professional pathways.

Pre-calculus+

Course #: 02123202
Credit: 1.0
Pre-Req: Algebra 2 or Algebra 2 & Trigonometry+
Credit Type: Math
Grade Level: 11-12

Pre-calculus Honors is available to students after completing either Algebra 2 or Algebra 2 & Trigonometry Honors. The purpose of the course is to challenge students academically, while also providing the instructional supports found in a traditional high school classroom and not a college-style course. Instruction emphasizes algebraic and graphical analysis with transformations, the study of continuity, rational, logarithmic and exponential functions, trigonometric functions and circular relations, conics, sequences and series, limits, parametrics, and vectors.

College Algebra KCKCC

Course #: 02111060
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score, **or** Math ACT 21+ (SAT 520+), **or** high school GPA 3.5+ and a 'C' or better in Algebra 2 or beyond

Credit Type: Math
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC MATH-0105 - College Algebra, 5 credit hours KCKCC Description: College Algebra includes a brief review of Intermediate Algebra; analysis and graphing of functions, including constant, linear, absolute value, square root, polynomial, rational, exponential and logarithmic functions and non-functions; and solving equations and inequalities, including polynomial equations, exponential equations, logarithmic equations, and systems of linear equations and inequalities. Students will be expected to use appropriate technology as one tool to achieve competency in College Algebra. A graphing calculator is required for this course. Pre-requisites: Accuplacer score of 263+ on Math test (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Pre-calculus KCKCC

Course #: 02123202
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score, **or** Math ACT 21+ (SAT 520+), **or** high school GPA 3.5+ and a 'C' or better in Algebra 2 or beyond

Credit Type: Math
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC MATH-0108 - Pre-Calculus, 5 credit hours KCKCC Description: Pre-Calculus includes the analysis and graphing of functions, including constant, linear, absolute value, square root, polynomial, rational, exponential and logarithmic functions, non-functions and trigonometric functions; solving equations and inequalities, including polynomial equations, exponential equations, logarithmic equations, trigonometric equations, systems of linear equations and inequalities; trigonometric and inverse trigonometric functions, radian and degree measure, identities, and applications to physical problems; conic sections; and sequences and series. A graphing calculator is required for this course. Pre-requisites: Grade of C or higher in MATH-0106 College Algebra (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Calculus KCKCC

Course #: 02123010
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score, **or** Math ACT 21+ (SAT 520+), **or** high school GPA 3.5+ and a 'C' or better in Algebra 2 or beyond

Credit Type: Math
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC MATH-0122 - Calculus and Analytic Geometry I, 5 credit hours KCKCC Description: Calculus I is designed for students in mathematics, hard sciences, and engineering. Content includes limits and their properties, differentiation and its applications, integration, and calculus of exponential and logarithmic functions. Students will be expected to use appropriate technology as one tool to achieve competency in Calculus I. A graphing calculator is required for this course. Pre-requisites: Grade of C or higher in MATH-0108 Pre-Calculus (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Calculus II KCKCC

Course #: 02123016
High School Credit: 1.0
Pre-Req: Calculus KCKCC

Credit Type: Math
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC MATH-0123 - Calculus and Analytic Geometry II, 5 credit hours KCKCC Description: Calculus & Analytic Geometry II is designed for students in mathematics, hard sciences, and engineering. Content includes calculus of transcendental functions, differential equations, applications of integration, integration techniques, infinite series, conic sections, and parametric and polar equations. Students will be expected to use appropriate technology as one tool to achieve competency in Calculus and Analytic Geometry II. A graphing calculator is required for this course. Pre-requisites: Grade of C or higher in MATH-0122 Calculus & Analytic Geometry I (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Transition to College Algebra

Course #: 02120102
Credit: 1.0

Credit Type: Math
Grade Level: 11-12

Transition to College Algebra (TCA) is available to students after completing Algebra 2. TCA is a specialized course from KSDE. The purpose of this course is to prepare students for success in their future study of college mathematics. Topics covered include, number sense, statistics and probability, algebraic problem solving, proportional reasoning (linear functions), and non-linear functions. For each topic, the course accesses students' prior knowledge and then asks them to apply their understandings to solve real-world problems. As part of the problem-solving process, students develop their quantitative literacy skills by communicating their mathematical thinking verbally, in writing, and by using models.

Trigonometry KCKCC

Course #: 02112325
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score, **or** Math ACT 21+ (SAT 520+), **or** high school GPA 3.5+ and a 'C' or better in Algebra 2 or beyond

Credit Type: Math
Grade Level: 11-12
College Credit Earned: 5 hours

Trigonometry includes trigonometric and inverse trigonometric functions, radian and degree measure, graphing, identities, and applications to physical problems. Students will be expected to use appropriate technology as one tool to achieve competency in Trigonometry. A graphing calculator is required for this course.

Statistics AP

Course #: 02113050
Credit: 1.0

Credit Type: Math
Grade Level: 11-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) Statistics AP is available to students after completing either College Algebra KCKCC, Pre-calculus KCKCC or Pre-calculus Honors. Statistics AP follows the College Board standards and pacing for the course. The topics for Statistics AP are divided into four major themes: exploratory analysis, planning a study, probability, and statistical inference. Exploratory analysis of data makes use of graphical and numerical techniques to study patterns and departures from patterns.

Statistics KCKCC

Course #: 02114001
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score, **or** Math ACT 21+ (SAT 520+), **or** high school GPA 3.5+ and a 'C' or better in Algebra 2 or beyond

Credit Type: Math
Grade Level: 11-12
College Credit Earned: 5 hours

Statistics includes the study of basic descriptive statistics, introduction to probability, random variables, special probability functions, random sampling and sampling theory, estimating the mean, hypothesis tests, and linear regression. Students will be expected to use appropriate technology as one tool to achieve competency in Statistics.

Math Applications & Interpretation 1 IBH

Course #: 02151102
Credit: 1.0

Credit Type: Math
Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Applications and Interpretation I IBH is the first of a two-year math course offered by IB. This course covers three of the five major topics (Number and Algebra, Functions, and Geometry and Trigonometry) and includes an introductory mathematical exploration piece. This course is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. Students who take this course will be those who enjoy mathematics best when seen in a practical context. This course is aimed at students who will go on to study subject such as social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example.

Math Applications & Interpretation 1 IBS

Course #: 02141102
Credit: 1.0

Credit Type: Math
Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Applications and Interpretation I IBS is the first of a two-year math course offered by IB. This course covers three of the five major topics (Number and Algebra, Functions, and Geometry and Trigonometry) and includes an introductory mathematical exploration piece. This course is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. Students who take this course will be those who enjoy mathematics best when seen in a practical context. This course is aimed at students who will go on to study subject such as social sciences, natural sciences, statistics, business, some economics, psychology, and design.

Math Applications & Interpretation 2 IBH

Course #: 02151202

Credit Type: Math

Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Applications and Interpretation II IBH is the second of a two-year math course offered by IB. This course covers the last two of the five major topics (Probability and Statistics, and Calculus) and includes a mathematical exploration project. This course is appropriate for students who are interested in developing their mathematics for describing our world and solving practical problems. They will also be interested in harnessing the power of technology alongside exploring mathematical models. Students who take this course will be those who enjoy mathematics best when seen in a practical context. This course is aimed at students who will go on to study subject such as social sciences, natural sciences, statistics, business, some economics, psychology, and design, for example.

Math Applications & Interpretation 2 IBS

Course #: 02141202 Credit Type: Math
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Analysis and Approaches II IBS is the second of a two-year math course offered by IB. This course covers the last two of the five major topics (Probability and Statistics, and Calculus) and includes a mathematical exploration project. This course is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and Approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as medicine, engineering, physical sciences, mathematics, or economics.

Math Analysis & Approach 1 IBH

Course #: 02151104 Credit Type: Math
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Analysis and Approaches I IBH is the first of a two-year math course offered by IB. This course covers three of the five major topics (Number and Algebra, Functions, and Geometry and Trigonometry) and includes an introductory mathematical exploration piece. This course is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and Approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as medicine, engineering, physical sciences, mathematics, or economics.

Math Analysis & Approach 1 IBS

Course #: 02141104 Credit Type: Math
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Analysis and Approaches I IBS is the first of a two-year math course offered by IB. This course covers three of the five major topics (Number and Algebra, Functions, and Geometry and Trigonometry) and includes an introductory mathematical exploration piece. This course is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and Approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as medicine, engineering, physical sciences, mathematics, or economics.

Math Analysis & Approach 2 IBH

Course #: 02151204 Credit Type: Math
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Analysis and Approaches II IBH is the second of a two-year math course offered by IB. This course covers the last two of the five major topics (Probability and Statistics, and Calculus) and includes a mathematical exploration project. This course is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with and without the use of technology. Students who take Mathematics: Analysis and Approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as medicine, engineering, physical sciences, mathematics, or economics.

Math Analysis & Approach 2 IBS

Course #: 02141204 Credit Type: Math
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Mathematical Analysis and Approaches II IBS is the second of a two-year math course offered by IB. This course covers the last two of the five major topics (Probability and Statistics, and Calculus) and includes a mathematical exploration project. This course is appropriate for students who enjoy developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. They will also be fascinated by exploring real and abstract applications of these ideas, with

and without the use of technology. Students who take Mathematics: Analysis and Approaches will be those who enjoy the thrill of mathematical problem solving and generalization. This subject is aimed at students who will go on to study subjects with substantial mathematics content such as medicine, engineering, physical sciences, mathematics, or economics.

Social Studies – High School

This course is required by Kansas City Kansas Public Schools for all high school students:

Financial Literacy

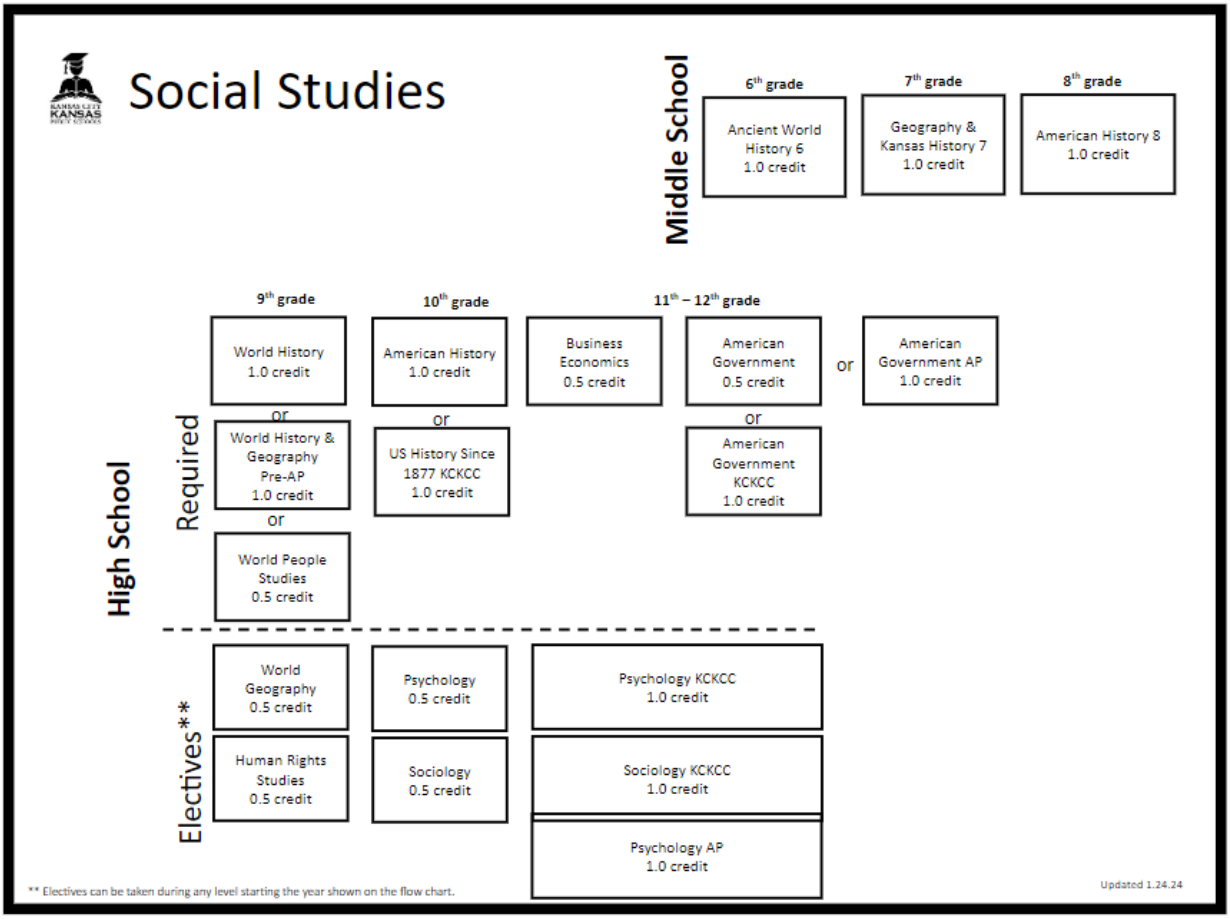
Course #: 12106021 Credit Type: Financial Literacy

Credit: 0.5

Financial Literacy provides students with an understanding of the concepts and principles involved in making and applying sound financial decisions. This course emphasizes earning income, spending, saving, investing, managing credit and managing risk.

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Financial Literacy	***Financial Literacy***	***0.5***	***No***	***No***	***9-12***	***Required by KCKPS for all HS students***
World History	Social Studies	1.0	No	No	9-12	
US History Since 1877 KCKCC	Social Studies	1.0	Yes	Yes	10-12	
Business Economics	Social Studies	0.5	No	No	11-12	
American History	Social Studies	1.0	No	No	10-12	
American Government	Social Studies	0.5	No	No	11-12	
American Government KCKCC	Social Studies	1.0	Yes	Yes	11-12	
World Geography	ELECTIVE	0.5	No	No	9-12	
Human Rights Studies	ELECTIVE	0.5	No	No	9-12	
Psychology	ELECTIVE	0.5	No	No	10-12	
Sociology	ELECTIVE	0.5	No	No	10-12	
Psychology KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	
Sociology KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	
American Government AP	Social Studies	1.0	No	No	11-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
Global Politics 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Global Politics 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
History 2 IBH	Social Studies	1.0	No	No	11-12	Sumner Academy ONLY
History of Africa 1 IBH	Social Studies	1.0	No	No	11-12	Sumner Academy ONLY
History of Asia/Pacific Rim 1 IBH	Social Studies	1.0	No	No	11-12	Sumner Academy ONLY
History of the Americas 1 IBH	Social Studies	1.0	No	No	11-12	Sumner Academy ONLY
Information Technology in Global Society 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Information Technology in Global Society 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Introduction Criminal Justice KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	
Psychology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Psychology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Psychology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Psychology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Social/Cultural Anthropology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Social/Cultural Anthropology 1 IBS	ELECTIVE	0.5	No	No	11-12	Sumner Academy ONLY
Social/Cultural Anthropology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Social/Cultural Anthropology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY

World History & Geo Pre-AP	Social Studies	1.0	No	No	9-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
World People Studies	Social Studies	0.5	No	No	9-12	
World Religions IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY



World History

Course #: 04092020
Credit: 1.0

Credit Type: Social Studies
Grade Level: 9-12

World History provides an overview of the history of human society in the past few centuries—from the renaissance period to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

American History

Course #: 04102020
Credit: 1.0

Credit Type: Social Studies
Grade Level: 10-12

American History examines the history of the United States from the Reconstruction era through the present time. It is a survey course, which details the development of U.S. political, economic, and social institutions and the changes in society as it evolved from an agricultural nation into an industrial nation. Attention is given to recurring themes and issues and students learn to link past and present.

Business Economics

Course #: 04117021
Credit: 0.5

Credit Type: Social Studies
Grade Level: 11-12

Business Economics integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). With a primary emphasis on the principles of microeconomics and the U.S. economic system. Students will also cover topics such as principles of macroeconomics, international economics, and comparative economics.

US History Since 1877 KCKCC

Course #: 04122002
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 2.5+ and 'C' in most recent English course

Credit Type: Social Studies
Grade Level: 10-12
College Credit Earned: 3 hours

This is the high school course for KCKCC HIST-0104 - United States to 1877, 3 credit hours KCKCC Description: Major trends and events of American history through the Reconstruction period are examined. Emphasized are the social, intellectual, political, and economic problems of the Colonial, Revolutionary, early National period, Antebellum period, the Civil War and Reconstruction. Historical interpretations from the dominant professional colleges of thought on leading controversial issues are examined and compared. Pre-requisites: Accuplacer score of 255 on Reading and Writing tests. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

American Government

Course #: 04112021
Credit: 0.5

Credit Type: Social Studies
Grade Level: 11-12

American Government provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. Students will examine the structure and function of state and local governments and cover economic and legal topics. Recurring themes at each level are examined and applied to current events. Citizenship is encouraged by participating in voter registration, local political debates, county government days, and visits to the county courthouse.

American Government KCKCC

Course #: 04122901
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 2.5+ and 'C' in most recent English course

Credit Type: Social Studies
Grade Level: 12
College Credit Earned: 3 hours

This is the high school course for KCKCC POSC-0111 - American Government, 3 credit hours KCKCC Description: This is a study of the historical backgrounds, governing principles, institutions, domestic and foreign policy goals of the National Government of the United States. Pre-requisites: Accuplacer score of 255 on Reading and Writing tests. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

American Government AP

Course #: 04112901
Credit: 1.0

Credit Type: Social Studies
Grade Level: 11-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) American Government is the study of the U.S. political systems from local community government through state and federal institutions. Recurring themes at each level are examined and applied to current events. Citizenship is encouraged by participating in voter registration, local political debates, county government days, and visits to the county courthouse.

History 2 IBH

Course #: 04142052
Credit: 1.0

Credit Type: Social Studies
Grade Level: 11-12

(Sumner Academy ONLY) American History 2 IBH is the second course of the IB history sequence and emphasizes a core of knowledge necessary to understand the events of the twentieth century. Three major topics are covered: causes, practices, and effects of war; rise of single-party states; and East/West relations after 1945.

History of Africa 1 IBH

Course #: 04142045
Credit: 1.0

Credit Type: Social Studies
Grade Level: 11-12

(Sumner Academy ONLY) The Diploma Programme (DP history course is a world history course based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation and significance. It involves the study of a variety

of types of history, including political, economic, social and cultural, encouraging students to think historically and to develop historical skills. In this way, the course involves a challenging and demanding critical exploration of the past.

History of Asia/Pacific Rim 1 IBH

Course #: 04142044
Credit: 1.0
Credit Type: Social Studies
Grade Level: 11-12

(Sumner Academy ONLY) The Diploma Programme (DP history course is a world history course based on a comparative, multi-perspective approach to history and focused around key historical concepts such as change, causation and significance. It involves the study of a variety of types of history, including political, economic, social and cultural, encouraging students to think historically and to develop historical skills. In this way, the course involves a challenging and demanding critical exploration of the past.

History of the Americas 1 IBH

Course #: 04142042
Credit: 1.0
Credit Type: Social Studies
Grade Level: 11-12

(Sumner Academy ONLY) American History 1 IBH is the first course in a sequence and is a history of the Americas. Students will survey the development of life and government in the United States, interaction with hemispheric neighbors and international involvement in the twentieth century.

World History & Geography Pre-AP

Course #: 04092055
Credit: 1.0
Credit Type: Social Studies
Grade Level: 9-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) World History provides an overview of the history of human society in the past few centuries—from the renaissance period to the contemporary period—exploring political, economic, social, religious, military, scientific, and cultural developments.

World Geography

Course #: 04091025
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 9-12

World Geography utilizes the five themes of geography to study the physical, cultural, and economic diversity of the world, including the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

Human Rights Studies

Course #: 04094011
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 9-12

Human Rights Studies will provide an overview of the history, central concepts, and practices within the field. It will study the foundations of the idea of human rights in various civilizations and cultures, evaluate its legacy within the world and world cultures, and examine its meaning and relevance in dealing with major issues in the contemporary world. It will address the evolution of international human rights, the various violations of human rights that occur around the world and the instruments designed for the protection of human rights.

Psychology

Course #: 04105011
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 10-12

Psychology is the study of human behavior. Students will be introduced to the study of individual human behavior. Includes an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

Sociology

Course #: 04106011
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 10-12

Sociology introduces students to the study of human behavior in society. Students will overview topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society such as customs, folkways, mores, social problems, including crime and the penal system, values in family life, and social class stratification, in various cultures.

Psychology KCKCC

Course #: 04125010
High School Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11-12

Pre-Req: appropriate Accuplacer score **or** high school GPA 3.0+ and 'B' **or** better in most recent English or ACT Reading/English 18 (SAT 500)

College Credit Earned: 3 hours

This is the high school course for KCKCC PSYC-0101 - Psychology, 3 credit hours KCKCC Description: This course is an introduction to the basic concepts, theories, and research findings in the evolving field of psychology. By learning to think psychologically, students gain insight into themselves and the dynamics of human thinking, behavior, and emotions. Pre-requisites: Accuplacer score of 255 on Reading and Writing tests. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Sociology KCKCC

Course #: 04129021
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 3.0+ and 'B' **or** better in most recent English or ACT Reading/English 18 (SAT 500)

Credit Type: ELECTIVE
Grade Level: 11-12
College Credit Earned: 3 hours

This is the high school course for KCKCC SOSC-0107 - Sociology, 3 credit hours KCKCC Description: This course is a general introduction to the field of sociology. It includes both a study of the theoretical aspects, as well as the actual behavior pattern of human groups and associations. Emphasis is placed on scientific evidence to illustrate and illuminate sociological theories and principles. Pre-requisites: Accuplacer Reading score 240+. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Global Politics 1 IBS

Course #: 04141102
Credit: 1.0

Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) This course is year one of a 2-year course. The 21st century is characterized by rapid change and increasing interconnectedness, impacting individuals and societies in unprecedented ways and creating complex global political challenges. Global politics is an exciting, dynamic subject that draws on a variety of disciplines in the social sciences and humanities, reflecting the complex nature of many contemporary political issues. The study of global politics enables students to critically engage with different and new perspectives and approaches to politics in order to comprehend the challenges of the changing world and become aware of their role in it as active global citizens. The DP global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies. It also invites comparison between such examples and case studies to ensure a wider and transnational perspective.

Global Politics 2 IBS

Course #: 04141202
Credit: 1.0

Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) This course is the second year of a 2-year course. Global Politics I IBS course. The 21st century is characterized by rapid change and increasing interconnectedness, impacting individuals and societies in unprecedented ways and creating complex global political challenges. Global politics is an exciting, dynamic subject that draws on a variety of disciplines in the social sciences and humanities, reflecting the complex nature of many contemporary political issues. The study of global politics enables students to critically engage with different and new perspectives and approaches to politics in order to comprehend the challenges of the changing world and become aware of their role in it as active global citizens. The DP global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies. It also invites comparison between such examples and case studies to ensure a wider and transnational perspective.

Information Technology in Global Society 1 IBS

Course #: 04141104
Credit: 1.0

Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) This course is the first year of a two-year course. Information Technology in a Global Society explores the interactions between humans and their environment in time and place. As a result, these subjects are often known collectively as the human sciences or social sciences. The IB Diploma Program information technology in a global society (ITGS) course is the study and evaluation of the impacts of information technology (IT) on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts.

Information Technology in Global Society 2 IBS

Course #: 04141204
Credit: 1.0

Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) This course is the second year of a two-year course. Information Technology in a Global Society explores the interactions between humans and their environment in time and place. As a result, these subjects are often known collectively as the human sciences or social sciences. The IB Diploma Program information technology in a global society (ITGS) course is the study and evaluation of the impacts of information technology (IT) on individuals and society. It explores the advantages and disadvantages of the access and use of digitized information at the local and global level. ITGS provides a framework for the student to make informed judgments and decisions about the use of IT within social contexts.

Psychology 1 IBH

Course #: 04144032 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) The IB psychology course is the systematic study of behavior and mental processes. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. The course will explore the biological, cognitive and sociocultural constructs of behavior as well as examining specific behavior such as human relationships, human development, and abnormal psychology.

Psychology 1 IBS

Course #: 04144012 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) IB Psychology courses prepare students to take the International Baccalaureate Psychology exams at either the Subsidiary or Higher level. Course content includes developmental and social psychology, cognition and learning, and personality subject areas, which are approached from biological/physiological, behavioral, and humanistic points of view. These courses may include a study of research design and statistics and involve practical work in psychological research.

Psychology 2 IBH

Course #: 04144042 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) The IB psychology course is the systematic study of behavior and mental processes. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. The course will explore the biological, cognitive and sociocultural constructs of behavior as well as examining specific behavior such as human relationships, human development, and abnormal psychology.

Psychology 2 IBS

Course #: 04144022 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) The IB psychology course is the systematic study of behavior and mental processes. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. The course will explore the biological, cognitive and sociocultural constructs of behavior as well as examining specific behavior such as human relationships, human development, and abnormal psychology.

Social/Cultural Anthropology 1 IBH

Course #: 04134030 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Cultural Anthropology is the comparative study of how people live around the world. Anthropologists study how culture is learned and shared and how it influences all aspects of our life - what we eat, whom we marry, what we find desirable, whom we consider our family and how we see the world - looking for common threads and contrasts. The class seeks to bring an understanding of humankind and to value its diversity. We will be studying gender, race, religion, immigration, health and illness, power, economic inequality, globalization, and conflict. We will study many cultures but will pay special attention to Hmong, to Triqui migrants working in the US, women working in call centers in India, and gender and race issues in the US.

Social/Cultural Anthropology 1 IBS

Course #: 04134010 Credit Type: ELECTIVE
Credit: 0.5 Grade Level: 11-12

(Sumner Academy ONLY) Cultural Anthropology is the comparative study of how people live around the world. Anthropologists study how culture is learned and shared and how it influences all aspects of our life - what we eat, whom we marry, what we find desirable, whom we consider our family and how we see the world - looking for common threads and contrasts. The class seeks to bring an understanding of humankind and to value its diversity. We will be studying gender, race, religion, immigration, health and illness, power, economic inequality, globalization, and conflict. We will study many cultures but will pay special attention to Hmong, to Triqui migrants working in the US, women working in call centers in India, and gender and race issues in the US.

Social/Cultural Anthropology 2 IBH

Course #: 04134040
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) Cultural Anthropology is the comparative study of how people live around the world. Anthropologists study how culture is learned and shared and how it influences all aspects of our life - what we eat, whom we marry, what we find desirable, whom we consider our family and how we see the world - looking for common threads and contrasts. The class seeks to bring an understanding of humankind and to value its diversity. We will be studying gender, race, religion, immigration, health and illness, power, economic inequality, globalization, and conflict. We will study many cultures but will pay special attention to Hmong, to Triqui migrants working in the US, women working in call centers in India, and gender and race issues in the US.

Social/Cultural Anthropology 2 IBS

Course #: 04134020
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) Cultural Anthropology is the comparative study of how people live around the world. Anthropologists study how culture is learned and shared and how it influences all aspects of our life - what we eat, whom we marry, what we find desirable, whom we consider our family and how we see the world - looking for common threads and contrasts. The class seeks to bring an understanding of humankind and to value its diversity. We will be studying gender, race, religion, immigration, health and illness, power, economic inequality, globalization, and conflict. We will study many cultures but will pay special attention to Hmong, to Triqui migrants working in the US, women working in call centers in India, and gender and race issues in the US.

World People Studies

Course #: 04096520
Credit: 0.5
Credit Type: Social Studies
Grade Level: 09-12

World Peoples Studies examines the history, politics, economics, prevalent societal and/or cultural norms of ethnic groups generally underrepresented in similar courses. World Peoples Studies presents an opportunity for more inclusive and diverse histories and cultures to be highlighted and studied in a manner that is meaningful and can be transformative for all students while developing the historical thinking skills consistent with other required courses. The course offers a dynamic inquiry-based approach with opportunities for students to develop their own inquiry. (Equivalent to World History)

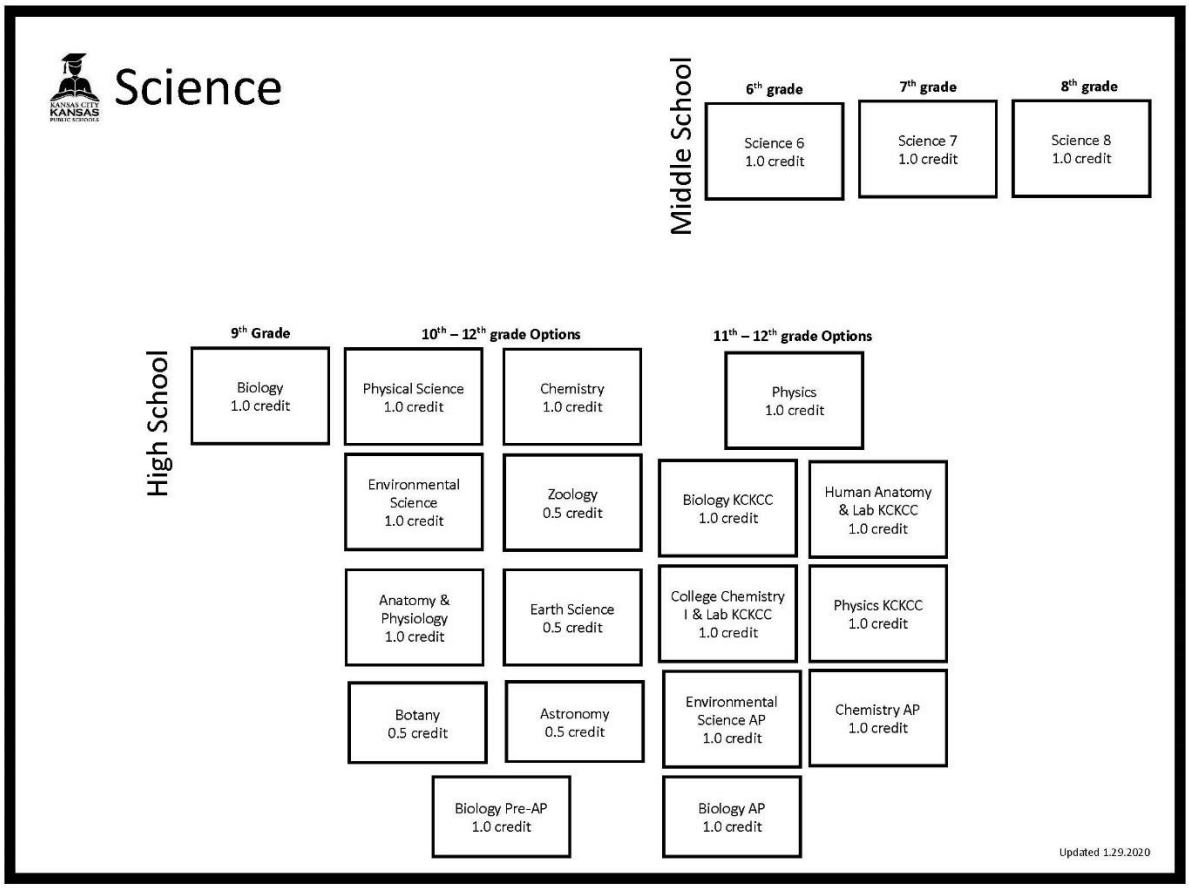
World Religions IBS

Course #: 04145020
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) World Religions SL is a course designed to promote an inquiring, analytical, and empathetic approach to the study of religion. Students should develop an informed understanding of the diversity of world religions and foster a respectful awareness of the significance of the beliefs and practices of those religions. Students should develop an understanding of how religion affects people's lives, while encouraging a global appreciation of the issues surrounding religious and spiritual beliefs and movements around the world today. World Religions SL promotes responsible and informed international citizenship.

Science – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Biology	Science	1.0	No	No	9-12	
Biology Pre-AP	Science	1.0	No	No	10-12	
Biology AP	Science	1.0	No	No	10-12	
Physical Science	Science	1.0	No	No	10-12	
Chemistry	Science	1.0	No	No	10-12	
Environmental Science	Science	1.0	No	No	10-12	
Zoology	Science	0.5	No	No	10-12	
Anatomy & Physiology	Science	1.0	No	No	10-12	
Earth Science	Science	0.5	No	No	10-12	
Botany	Science	0.5	No	No	10-12	
Astronomy	Science	0.5	No	No	10-12	
Physics	Science	1.0	No	No	11-12	
Biology KCKCC	Science	1.0	Yes	Yes	11-12	
Human Anatomy & Lab KCKCC	Science	1.0	Yes	Yes	11-12	
College Chemistry I & Lab KCKCC	Science	1.0	Yes	Yes	11-12	
Physics KCKCC	Science	1.0	Yes	Yes	11-12	
Biology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Biology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Biology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Biology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Chemistry 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Chemistry 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Chemistry 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Chemistry 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Chemistry AP	Science	1.0	No	No	11-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
Environmental Systems & Society 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Environmental Systems & Society 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Environmental Science AP	Science	1.0	No	No	9-12	Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.
Physics 1 IBH	Science	1.0	No	No	11-12	Sumner Academy ONLY
Physics 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Physics 2 IBH	Science	1.0	No	No	11-12	Sumner Academy ONLY
Physics 2 IBS	Science	1.0	No	No	11-12	Sumner Academy ONLY
Sports Exercise & Health Science 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY
Sports Exercise & Health Science 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY



Biology

Course #: 03101020
Credit: 1.0

Credit Type: Science
Grade Level: 9-12

This course is a laboratory-oriented course designed to introduce students to the diversity of living organisms. The course introduces basic principles of morphology and function in the plant and animal kingdoms, microbiology, reproduction, heredity, and biological processes and systems.

Biology Pre-AP

Course #: 03101050
Credit: 1.0

Credit Type: Science
Grade Level: 10-12

This course is a laboratory-oriented course designed to introduce students to the diversity of living organisms. The course introduces basic principles of morphology and function in the plant and animal kingdoms, microbiology, reproduction, heredity, and biological processes and systems.

Biology AP

Course #: 03101020
Credit: 1.0

Credit Type: Science
Grade Level: 11-12

Adhering to the curricula recommended by the College Board and designed to parallel college-level introductory biology courses, AP Biology courses emphasize four general concepts: evolution; cellular processes (energy and communication); genetics and information transfer; and interactions of biological systems. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Biology courses include college-level laboratory investigations.

Physical Science

Course #: 03091020

Credit Type: Science

Credit: 1.0 Grade Level: 10-12

This is a science survey course for students before they take chemistry or physics. The scientific method, science processes, laboratory techniques, and measurement will be emphasized. This course will provide a scientific way of thinking, problem solving and an overview of essential science content in the areas of physics, chemistry, Earth, and space sciences.

Chemistry

Course #: 03113020 Credit Type: Science
Credit: 1.0 Grade Level: 10-12

This course is designed to provide an introduction to the chemical and physical behavior of matter. Upon successful completion of the course, students will be able to show mastery of laboratory procedures and the use of laboratory apparatus. They will also demonstrate the ability to gather experimental data through observations, and perform a scientific analysis of results obtained from experimentation. Students will also show proficiency in writing and understanding formulas, equations, and associated stoichiometry. Other topics of study will include elements, compounds, states of matter, solutions, chemical bonding, chemical reactions, and the gas laws. Students must successfully complete Algebra 1 to have the requisite math skills for this course.

Environmental Science

Course #: 03093004 Credit Type: Science
Credit: 1.0 Grade Level: 10-12

This course examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Anatomy & Physiology

Course #: 03112005 Credit Type: Science
Credit: 1.0 Grade Level: 10-12

This course is usually taken after a comprehensive initial study of biology, Anatomy and Physiology presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Earth Science

Course #: 03115002 Credit Type: Science
Credit: 0.5 Grade Level: 10-12

This course offers insight into the environment on earth and the earth's environment in space. While presenting the concepts and principles essential to students' understanding of the dynamics and history of the earth, these courses usually explore oceanography, geology, astronomy, meteorology, and geography.

Zoology

Course #: 03114011 Credit Type: Science
Credit: 0.5 Grade Level: 10-12

This course provides students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop an awareness and understanding of biotic communities.

Botany

Course #: 03112021 Credit Type: Science
Credit: 0.5 Grade Level: 10-12

This course is a laboratory oriented course focusing on the study of plants from the primitive algae to the complex seed plants. The class provides students with an understanding of plants, their life cycles, and their evolutionary relationships.

Astronomy

Course #: 03117002 Credit Type: Science
Credit: 0.5 Grade Level: 10-12

This course offers students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomical instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Physics

Course #: 03116002
Credit: 1.0

Credit Type: Science
Grade Level: 11-12

This is a lab-based course designed to study motion, force, work, heat, sound, light, electricity, and magnetism. The understanding of relationships will be developed through reading, discussion, problems, and lab work. Many everyday phenomena will be explained in terms of physics and its principles. A scientific calculator is required for this course.

Biology KCKCC

Course #: 03121002
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 2.5+ and a 'C' in most recent English

Credit Type: Science
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC BIOL-0121 - General Biology, 5 credit hours KCKCC Description: General Biology introduces fundamental biological principles characteristic of all living things. Lecture and laboratory work will review the scientific method (experimental and observational science), levels of organization and emergent properties of life, molecular and cell biology, bioenergetics, reproduction, genetics, evolution and ecology. A prior course in Chemistry is recommended. Pre-requisites: Accuplacer Reading score 240+ (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Human Anatomy & Lab KCKCC

Course #: 03123010
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 2.5+ and a 'C' in most recent English

Credit Type: Science
Grade Level: 11-12
College Credit Earned: 5 hours

In a systematic study of the gross anatomical organizations of the human body, students examine the interrelationships of the structure of the human body and the general structure and functions of tissues, organs, and organ systems by means of models, skeletons, charts, and audio-visual materials. Six hours lecture/integrated lab are required each week. This course is recommended for Life Science and Health Career majors only. (KCKCC Course BIOL - 0143)

College Chemistry 1 & Lab KCKCC

Course #: 03113202
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 3.5+ and a 'C' or better in Algebra 2 or beyond **or** Math ACT 21+ (SAT 520+)

Credit Type: Science
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC CHEM-0111 - College Chemistry I and Lab, 5 credit hours KCKCC Description: Primarily for biological or physical science majors, College Chemistry I and Lab provides an introduction to the fundamental concepts of chemistry. The laboratory supports the concepts through practical application and develops scientific techniques. Pre-requisites: Accuplacer score of 263+ on Math test. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Physics KCKCC

Course #: 03126010
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 2.5+ and a 'C' in most recent English

Credit Type: Science
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC NASC-0231 - General Physics I and Lab, 5 credit hours KCKCC Description: The course covers mechanics, heat, fluids, oscillations, waves, sound and thermodynamics. The course requires conceptual understanding and problem solving using the tools of algebra and trigonometry. Schedule: five hours of lectures and two hours of lab work per week. Pre-requisites: Accuplacer score of 255 on Reading and Writing tests AND Accuplacer score of 263+ on Math test. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Chemistry AP

Course #: 03133020
Credit: 1.0

Credit Type: Science
Grade Level: 11-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities.

Environmental Science AP

Course #: 03093054
Credit: 1.0

Credit Type: Science
Grade Level: 9-12

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) AP Environmental Science courses are designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems.

Physics 1 IBH

Course #: 03146012
Credit: 1.0

Credit Type: Science
Grade Level: 11-12

(Sumner Academy ONLY) Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics

Physics 1 IBS

Course #: 03146016
Credit: 1.0

Credit Type: Science
Grade Level: 11-12

(Sumner Academy ONLY) IB Physical Science courses prepare students to take the International Baccalaureate Physical Science exams at either the Subsidiary or Higher level. These courses integrate the study of physics and chemistry, showing how the physical and chemical properties of materials can be explained and predicted in terms of atomic, molecular, and crystal structures and forces. In keeping with the general aim of IB Experimental Sciences courses, IB Physical Science courses promote critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of science and scientific advances upon both society and issues of ethical, philosophical, and political importance. Students are required to develop and pursue an individual, experimental project, which is evaluated as part of the IB exam.

Physics 2 IBH

Course #: 03146022
Credit: 1.0

Credit Type: Science
Grade Level: 11-12

(Sumner Academy ONLY) Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Physics 2 IBS

Course #: 03146026
Credit: 1.0

Credit Type: Science
Grade Level: 11-12

(Sumner Academy ONLY) IB Physics courses prepare students to take the International Baccalaureate Physics exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of scientific advances in physics upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the fundamental laws of nature and the interaction between concepts of matter, fields, waves, and energy. Laboratory experimentation is essential; calculus may be used in some courses.

Biology 1 IBH

Course #: 03141012
Credit: 1.0

Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

Biology 1 IBS

Course #: 03141002
Credit: 1.0

Credit Type: ELECTIVE
Grade Level: 11-12

(Sumner Academy ONLY) IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

Biology 2 IBH

Course #: 03141022 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

Biology 2 IBS

Course #: 03141032 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) IB Biology courses prepare students to take the International Baccalaureate Biology exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

Chemistry 1 IBH

Course #: 03143004 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) Usually taken after a comprehensive initial study of chemistry, Chemistry Advanced Studies courses cover chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

Chemistry 1 IBS

Course #: 03143002 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory experimentation is an essential part of these courses.

Chemistry 2 IBH

Course #: 03143022 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory experimentation is an essential part of these courses.

Chemistry 2 IBS

Course #: 03143032 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) IB Chemistry courses prepare students to take the International Baccalaureate Chemistry exams at either the Subsidiary or Higher level. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the

facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, philosophical, and political importance. Course content varies, but includes the study of the materials of the environment, their properties, and their interaction. Laboratory experimentation is an essential part of these courses.

Environmental Systems & Society 1 IBS

Course #: 03141104 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) This is the first year of a 2-year course. Environmental systems and societies (ESS) is an interdisciplinary course offered only at standard level (SL). This course can fulfill either the individuals and societies or the sciences requirement. Alternatively, this course enables students to satisfy the requirements of both subject groups simultaneously while studying one course. ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment.

Environmental Systems & Society 2 IBS

Course #: 03141204 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) This is the second year of a 2-year course. Environmental systems and societies (ESS) is an interdisciplinary course offered only at standard level (SL). This course can fulfill either the individuals and societies or the sciences requirement. Alternatively, this course enables students to satisfy the requirements of both subject groups simultaneously while studying one course. ESS is firmly grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political and social interactions of societies with the environment.

Physics 1 IBS

Course #: 03146016 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) IB Physical Science courses prepare students to take the International Baccalaureate Physical Science exams at either the Subsidiary or Higher level. These courses integrate the study of physics and chemistry, showing how the physical and chemical properties of materials can be explained and predicted in terms of atomic, molecular, and crystal structures and forces. In keeping with the general aim of IB Experimental Sciences courses, IB Physical Science courses promote critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; and an awareness of the impact of science and scientific advances upon both society and issues of ethical, philosophical, and political importance. Students are required to develop and pursue an individual, experimental project, which is evaluated as part of the IB exam.

Sports Exercise & Health Science 1 IBS

Course #: 03146014 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) The Sports, exercise and health science course is a standard level (SL) and higher level (HL) subject. This course lies within the Sciences. Students explore the concepts, theories, models and techniques that underpin each subject area and through these develop their understanding of the scientific method. SEHS students participate in a compulsory group 4 project. This collaborative and interdisciplinary exercise provides an opportunity for students to explore scientific solutions to global questions.

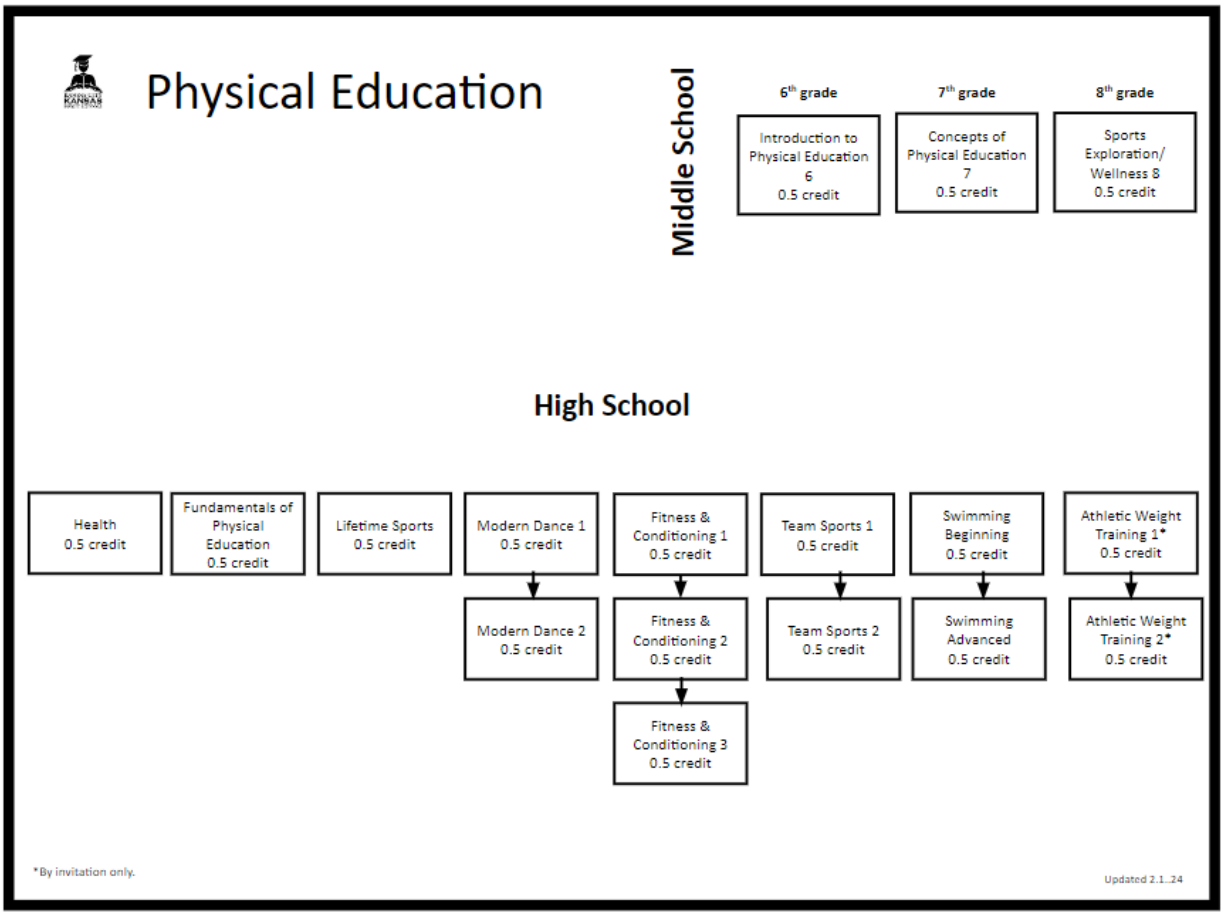
Sports Exercise & Health Science 2 IBS

Course #: 03146024 Credit Type: ELECTIVE
Credit: 1.0 Grade Level: 11-12

(Sumner Academy ONLY) The Sports, exercise and health science course is a standard level (SL) and higher level (HL) subject. This course lies within the Sciences. Students explore the concepts, theories, models and techniques that underpin each subject area and through these develop their understanding of the scientific method. SEHS students participate in a compulsory group 4 project. This collaborative and interdisciplinary exercise provides an opportunity for students to explore scientific solutions to global questions.

Physical Education – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Athletic Weight Training 1	ELECTIVE	0.5	No	Yes	10-12	
Athletic Weight Training 2	ELECTIVE	0.5	No	Yes	10-12	
Fitness/Conditioning 1	Phys Ed	0.5	No	No	9-12	
Fitness/Conditioning 2	ELECTIVE	0.5	No	Yes	10-12	
Fitness/Conditioning 3	ELECTIVE	0.5	No	Yes	10-12	
Fundamentals of Physical Education	Phys Ed	0.5	No	No	9-12	
Health	Phys Ed	0.5	No	No	9-12	
Lifetime Sports	Phys Ed	0.5	No	No	9-12	
Modern Dance 1	Phys Ed	0.5	No	No	9-12	
Modern Dance 2	ELECTIVE	0.5	No	Yes	10-12	
Swimming Advanced	Phys Ed	0.5	No	Yes	10-12	Available to 9th graders at Sumner Academy
Swimming Beginning	Phys Ed	0.5	No	No	9-12	Available at Sumner Academy, Washington and Wyandotte HS ONLY
Team Sports 1	Phys Ed	0.5	No	No	9-12	
Team Sports 2	ELECTIVE	0.5	No	Yes	10-12	



Athletic Weight Training 1

Course #: 06105011
Credit: 0.5
Pre-Req: Essentials of Physical Education

Credit Type: ELECTIVE
Grade Level: 10-12

This course is designed for the focused athlete emphasizing strength training, as well as general conditioning. Free weights and weight machines will be utilized, in addition to cardiovascular and flexibility training.

Athletic Weight Training 2

Course #: 06115021
Credit: 0.5
Pre-Req: Athletic Weight Training 1
Credit Type: ELECTIVE
Grade Level: 10-12

This course is designed for the focused athlete emphasizing strength training, as well as general conditioning. Free weights and weight machines will be utilized, in addition to cardiovascular and flexibility training.

Fitness/Conditioning 1

Course #: 06106011
Credit: 0.5
Credit Type: Phys Ed
Grade Level: 9-12

This course is designed for any student that is interested in lifetime fitness. It provides opportunities for students to participate in activities to achieve optimal physical condition. Activities will vary and may include aerobic exercise, running, stretching, plyometrics, step aerobics, and anaerobic exercise.

Fitness/Conditioning 2

Course #: 06116021
Credit: 0.5
Pre-Req: Fitness/Conditioning 1
Credit Type: ELECTIVE
Grade Level: 10-12

This course is designed to continue to provide opportunities for students to participate in activities to achieve optimal physical condition. Activities will vary and may include aerobic exercise, running, stretching, plyometrics, step aerobics, and anaerobic exercise. Personalized fitness plans will be utilized.

Fitness/Conditioning 3

Course #: 06126021
Credit: 0.5
Pre-Req: Fitness/Conditioning 2
Credit Type: ELECTIVE
Grade Level: 10-12

This course is designed to continue developing opportunities for students to participate in activities to achieve optimal physical condition. Activities will vary and may include aerobic exercise, running, stretching, plyometrics, step aerobics, and anaerobic exercise. Personalized fitness plans will be used. An off-site practicum could be utilized in this class.

Fundamentals of Physical Education

Course #: 06091050
Credit: 0.5
Credit Type: Phys Ed
Grade Level: 9-12

This foundational course will introduce students to our physical education program–a fantastic option for students who want to sample every PE class. Students will have the opportunity to explore lifetime activities, team/individual sports, and fitness/conditioning. Upon completion, students will be equipped with the knowledge and skills to enjoy lifelong physical activity and fitness.

Health

Course #: 06092025
Credit: 0.5
Credit Type: Phys Ed
Grade Level: 9-12

This course curriculum includes content in the areas of nutrition, disease prevention, stress management, mental health, fitness, human sexuality, hands-only CPR, and substance abuse, use, and addiction.

Lifetime Sports

Course #: 06103011
Credit: 0.5
Credit Type: Phys Ed
Grade Level: 9-12

This course is designed for the student who is interested in participating in individual, dual and/or recreational activities. Emphasis is on developing and practicing the knowledge and skills needed for a variety of activities including archery, golf, table tennis, badminton, bowling, Frisbee, racquetball, and other lifetime activities.

Modern Dance 1

Course #: 06102001
Credit: 0.5
Credit Type: Phys Ed
Grade Level: 9-12

This course is designed to provide students with an opportunity to develop knowledge and skills in the field of modern dance, enhancing students' appreciation for the fine arts. Students will gain both in technical skill and in creative communication through dance.

Modern Dance 2

Course #: 06102011
Credit: 0.5
Pre-Req: Modern Dance 1
Credit Type: ELECTIVE
Grade Level: 10-12

This course is designed to provide students with an opportunity to continue developing knowledge and skills in the field of modern dance. Students will gain both in technical skill and in creative communication through dance. An off-site practicum could be utilized.

Swimming Advanced

Course #: 06107011
Credit: 0.5
Pre-Req: Swimming Beginning or Instructor Approval
Credit Type: Phys Ed
Grade Level: 10-12 (available to 9th grade at Sumner Academy)

(Sumner Academy, Washington HS, Wyandotte HS ONLY) This course is designed for intermediate and advanced swimmers. All strokes will be covered, with an emphasis on technique and endurance. If appropriate for the interest and skill level of class members, Lifeguard, Water Safety Instructor (WSI), and CPR certification MAY be offered.

Swimming Beginning

Course #: 06107001
Credit: 0.5
Credit Type: Phys Ed
Grade Level: 9-12

(Sumner Academy, Washington HS, Wyandotte HS ONLY) This course is designed for any student who is unable to swim or is uncomfortable in deep water swimming. Basic strokes and safety skills will be covered.

Team Sports 1

Course #: 06103001
Credit: 0.5
Credit Type: Phys Ed
Grade Level: 9-12

This course is designed for the student who is interested in participating in recreational team sports. Emphasis is on daily participation and developing higher proficiency in sports skills, teamwork, and greater knowledge of the rules and strategies used in the sports.

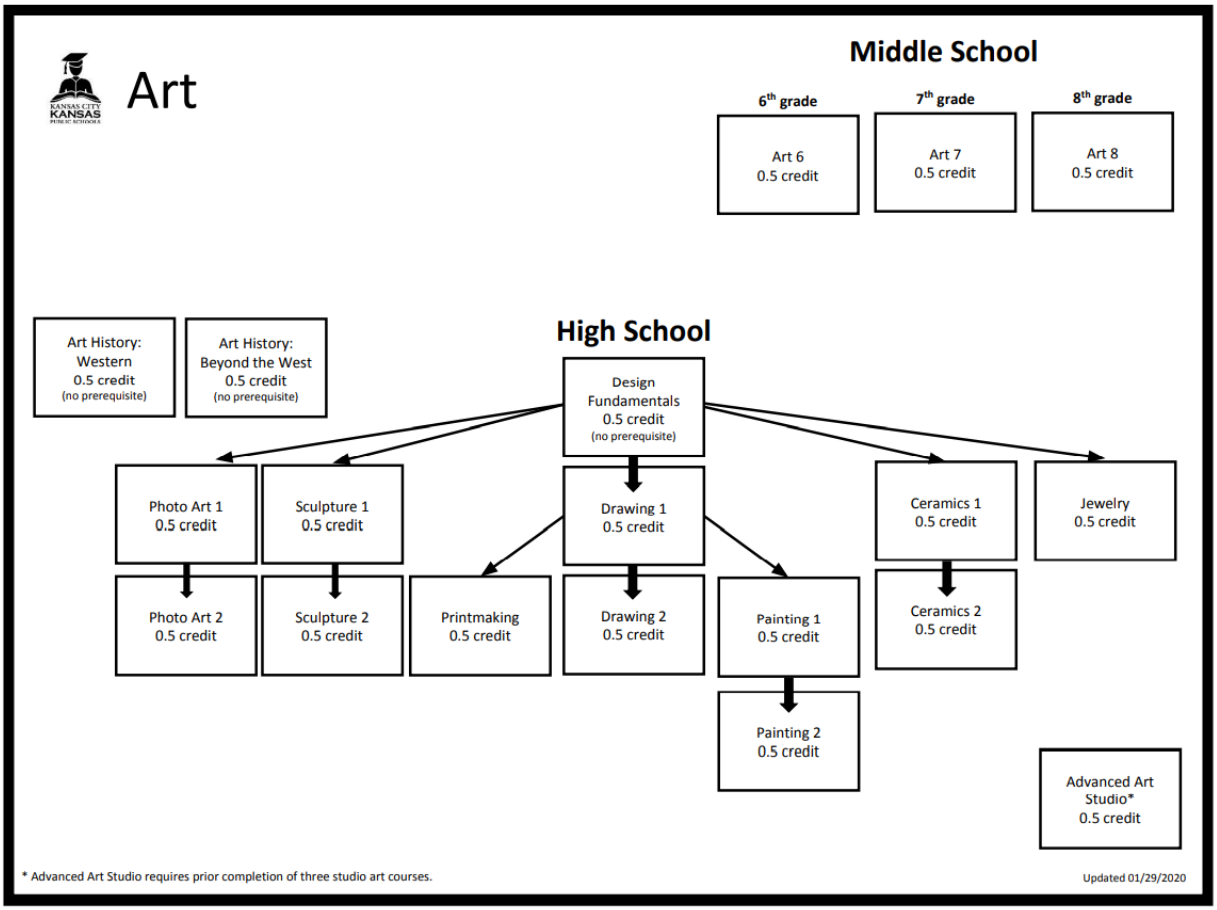
Team Sports 2

Course #: 06104011
Credit: 0.5
Pre-Req: Team Sports 1
Credit Type: ELECTIVE
Grade Level: 10-12

This course is designed to integrate previous taught sport skills in the areas of technique and strategy as they pertain to team sports. Officiating, creating practice plans and developing units of study in a specific sport will be required.

Art – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Design Fundamentals	Fine Arts	0.5	No	No	9-12	
Advanced Art Studio 1	Fine Arts	0.5	No	Yes	11-12	
Advanced Art Studio 2	Fine Arts	0.5	No	Yes	11-12	
Art & Design 1 IBH	Fine Arts	1.0	No	Yes	11-12	Sumner Academy ONLY
Art & Design 2 IBH	Fine Arts	1.0	No	Yes	11-12	Sumner Academy ONLY
Art History: Beyond the West	Fine Arts	0.5	No	No	9-12	
Art History: Western	Fine Arts	0.5	No	No	9-12	
Ceramics 1	Fine Arts	0.5	No	Yes	9-12	
Ceramics 2	Fine Arts	0.5	No	Yes	10-12	
Drawing 1	Fine Arts	0.5	No	Yes	9-12	
Drawing 2	Fine Arts	0.5	No	Yes	10-12	
Jewelry	Fine Arts	0.5	No	Yes	9-12	
Painting 1	Fine Arts	0.5	No	Yes	10-12	
Painting 2	Fine Arts	0.5	No	Yes	10-12	
Photo Art 1	Fine Arts	0.5	No	Yes	9-12	
Photo Art 2	Fine Arts	0.5	No	Yes	9-12	
Printmaking	Fine Arts	0.5	No	Yes	10-12	
Sculpture 1	Fine Arts	0.5	No	Yes	9-12	
Sculpture 2	Fine Arts	0.5	No	Yes	10-12	



Design Fundamentals

Course #: 07091001
Credit: 0.5

Credit Type: Fine Arts
Grade Level: 9-12

Design Fundamentals focuses on the basic elements and principles of design. The purpose of this course is to establish a firm background in the basics of good design. Students must demonstrate progress in visual communications. Emphasis will be placed on learning to use media more competently and the ability to move beyond the simple design concepts. In order to take advanced courses, the student must successfully complete this course.

Advanced Art Studio 1

Course #: 07129011
Credit: 0.5
Pre-Req: Design Fundamentals (required) and two other studio classes of the students choosing

Credit Type: Fine Arts
Grade Level: 11-12

This course is designed for those students interested in compiling a portfolio towards higher education interests such as college entrance and scholarship goals or technical school or business opportunities. Students will be encouraged to study a variety of media with emphasis placed on student preferences, both two and three-dimensional. Emphasis will be placed on student growth in preferred media. Different types of portfolio compilation will be reviewed so that the student may begin to develop a portfolio to suit their particular needs. Careers in the field of art will be researched so that career goals may be developed. Student must have completed three other studio courses prior to enrolling in Advanced Art Studio 1, one of which must be Design Fundamentals.

Advanced Art Studio 2

Course #: 07129021
Credit: 0.5
Pre-Req: Design Fundamentals (required and two other student classes of the students choosing and then Advanced Art Studio 1

Credit Type: Fine Arts
Grade Level: 11-12

This course is designed for those students interested in compiling a portfolio towards higher education interests such as college entrance and scholarship goals or technical school or business opportunities. Students will be encouraged to study a variety of media with emphasis placed on student preferences, both two and three-dimensional. Emphasis will be placed on student growth in preferred media. Different types of portfolio compilation will be reviewed so that the student may begin to develop a portfolio to suit their particular needs. Careers in the field of art will be researched so that career goals may be developed.

Art & Design 1 IBH

Course #: 07141022
Credit: 0.5
Pre-Req: previously taken a level 2 course

Credit Type: Fine Arts
Grade Level: 11-12

(Sumner Academy ONLY) IB Art/Design courses prepare students to take the International Baccalaureate Art/Design exams at either the Subsidiary or Higher level. IB Art/Design courses help develop student's aesthetic and creative faculties, offer training in awareness and criticism of art, and enable students to create quality works of art of their own. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail.

Art & Design 2 IBH

Course #: 07141042
Credit: 0.5
Pre-Req: Art & Design 1 IBH

Credit Type: Fine Arts
Grade Level: 11-12

(Sumner Academy ONLY) IB Art/Design courses prepare students to take the International Baccalaureate Art/Design exams at either the Subsidiary or Higher level. IB Art/Design courses help develop student's aesthetic and creative faculties, offer training in awareness and criticism of art, and enable students to create quality works of art of their own. Students perform both studio and research work; the research component is designed to investigate particular topics or concepts of interest in further detail.

Art History: Beyond the West

Course #: 07119041
Credit: 0.5

Credit Type: Fine Arts
Grade Level: 9-12

An understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting, and other media will be developed in this class. Students will examine and critically analyze major forms of artistic expression from the past and present from a variety of cultures.

Art History: Western

Course #: 07119021
Credit: 0.5

Credit Type: Fine Arts
Grade Level: 9-12

The Western Art History course offers a chronological survey of Western art from the beginning of civilization to the present time, including the most modern trends and ideas in the ever-changing world of art. An understanding and knowledge of diverse historical and cultural

contexts of architecture, sculpture, painting, and other media will be developed in this class. This course can be taken before or after Art History: Beyond the West.

Ceramics 1

Course #: 07094021
Credit: 0.5
Pre-Req: Design Fundamentals

Credit Type: Fine Arts
Grade Level: 9-12

The purpose of this course is to learn the various hand-building techniques of working with clay such as coil, slab, pinch and drape. An introduction to wheel-thrown pots and glaze application will be included.

Ceramics 2

Course #: 07104021
Credit: 0.5
Pre-Req: Design Fundamentals (required) and Ceramics 1

Credit Type: Fine Arts
Grade Level: 10-12

The purpose of this course is to further explore the hand-building techniques learned in Ceramics 1. Additional techniques will be covered, such as wheel and hand-built forms, handles, glaze formulas, glaze mixing and application, kiln loading and firing. Advanced throwing techniques will also be introduced.

Drawing 1

Course #: 07091011
Credit: 0.5
Pre-Req: Design Fundamentals

Credit Type: Fine Arts
Grade Level: 9-12

This course will provide the necessary discipline for acquainting students with the basic skills and techniques of drawing. The major emphasis of the course will be increasing visual perception. A wide range of drawing media will become part of the learning-to-see program. Students will be introduced to a wide range of techniques and media. Emphasis will be placed on learning to use media more competently and moving beyond the simple concepts into more advanced work area.

Drawing 2

Course #: 07101011
Credit: 0.5
Pre-Req: Design Fundamentals (required) and Drawing 1

Credit Type: Fine Arts
Grade Level: 10-12

This course will stress experimentation, research, and physical application of knowledge. There will be research into drawing methods and materials used by past artists as well as exploration of new approaches to drawing.

Jewelry

Course #: 07095011
Credit: 0.5
Pre-Req: Design Fundamentals

Credit Type: Fine Arts
Grade Level: 9-12

Jewelry courses apply art and design principles to the creation of jewelry. Typically, students explore using various media, such as ceramic, papier-mâché, glass, plastic, copper-enameled, brass, and silver. Course topics include exposure to jewelry of diverse world cultures and the history of jewelry design. Some Jewelry courses may concentrate on metalwork processes such as brazing, soldering, casting, welding, riveting, and finishing as they relate to the creation of jewelry.

Painting 1

Course #: 07102011
Credit: 0.5
Pre-Req: Design Fundamentals (required) and Drawing 1

Credit Type: Fine Arts
Grade Level: 10-12

Painting 1 will involve learning many of the various skills, techniques, styles and media of painting and drawing. A wide variety of techniques will be included, such as impasto, hard edge, underglazing, etc. Media will cover acrylic, watercolor, pencil, pastels, colored inks, etc.

Painting 2

Course #: 07102021
Credit: 0.5
Pre-Req: Design Fundamentals (required) and Drawing 1, Painting 1 (in that order)

Credit Type: Fine Arts
Grade Level: 10-12

Painting 2 will allow students to pursue interests in the advanced study of drawing and painting. Along with the media used in the previous class, oil painting will be added to the list of techniques and materials.

Photo Art 1

Course #: 07108011
Credit: 0.5
Pre-Req: Design Fundamentals

Credit Type: Fine Arts
Grade Level: 9-12

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

Photo Art 2

Course #: 07108021
Credit: 0.5
Pre-Req: Photo Art 1

Credit Type: Fine Arts
Grade Level: 9-12

Photographic Art 2 is an extension of Photographic Art 1, and is designed to teach photography techniques in preparation for the commercial photography careers. Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

Printmaking

Course #: 07103031
Credit: 0.5
Pre-Req: Design Fundamentals (required) and Drawing 1

Credit Type: Fine Arts
Grade Level: 10-12

Printmaking courses introduce students to a variety of printmaking techniques using processes such as relief printing (monoprint, collagraph block); intaglio (etching and engraving); and perigraphy (silkscreen films, stencils, block-out). These courses emphasize design elements and principles and introduce art criticism as applied to fine art prints. Lessons may also include the historical development of printmaking in Western and non-Western cultures.

Sculpture 1

Course #: 07096001
Credit: 0.5
Pre-Req: Design Fundamentals

Credit Type: Fine Arts
Grade Level: 9-12

This course is designed for students interested in learning the techniques of modeling, constructing, carving, and molding three-dimensional forms using a variety of techniques and materials. Materials may include clay, wood, paper, and metals. There will be group and individual projects.

Sculpture 2

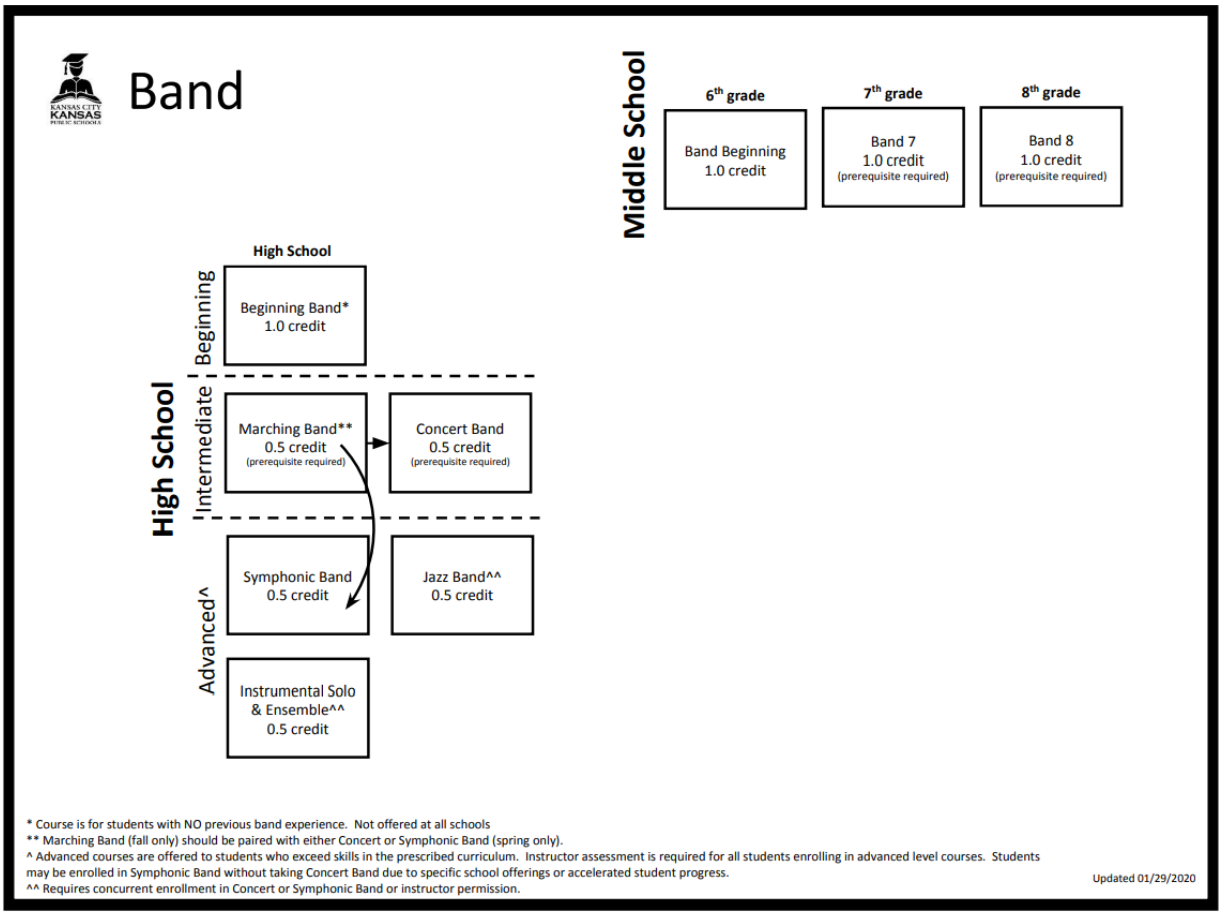
Course #: 07106021
Credit: 0.5
Pre-Req: Design Fundamentals (required) and Sculpture 1

Credit Type: Fine Arts
Grade Level: 10-12

Sculpture 2 is an extension of Sculpture 1. Students will expand their three-dimensional experience by creating more advanced projects as well as by developing a deeper understanding of composition. A variety of media will be used including clay, wood, paper, and metals.

Band – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Beginning Band	Fine Arts	1.0	No	No	9-12	For students with no previous instrument experience
Marching Band	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times
Concert Band	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times
Symphonic Band	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times
Jazz Band	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times
Instrumental Solo & Ensemble	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times



Beginning Band

Course #: 08095002
Credit Type: Fine Arts
Credit: 1.0
Grade Level: 9-12

Beginning band is for students with no prior band experience. Emphasis will be on music reading, rhythmic counting, technical skills, and tone production to prepare for advancement to the high school band.

Marching Band

Course #: 08095021
Credit Type: Fine Arts
Credit: 0.5
Grade Level: 9-12
Pre-Req: previous middle school band experience
Co-Req: Concert or Symphonic Band
Marching Band is the primary performing group for band students during the fall semester. Emphasis will be placed on music literacy and marching fundamentals. Marching Band is a co-curricular course: students are assessed on skills that are demonstrated both during and

outside of the school day; evening and weekend activities are required. At the conclusion of the marching season, students will enroll for a second semester Concert or Symphonic Band at the discretion of the instructor. This course may be taken for credit in multiple years. .

Concert Band

Course #: 08095031
Credit: 0.5
Pre-Req: Symphonic Band or Marching Band

Credit Type: Fine Arts
Grade Level: 9-12

Concert Band provides a continuation of the skills developed in 8th grade band by students in grades 9-12. Students enrolled in marching band during the fall semester may enroll in this class during the spring semester. Emphasis will be placed on instrumental technique and ensemble skills. Concert Band is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening and weekend activities are required. This course may be taken for credit in multiple years.

Symphonic Band

Course #: 08095041
Credit: 0.5
Pre -Req: Instructor Approval

Credit Type: Fine Arts
Grade Level: 9-12

Symphonic Band is an advanced performing ensemble for students who play wind and percussion instruments and exceed prescribed skills in the GVC. Students enrolled in marching band in the fall semester may be eligible for this course during the spring semester. Symphonic Band is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening and weekend activities are required, including concerts, festivals, and state-level performances. This course may be taken for credit in multiple years.

Jazz Band

Course #: 08097015
Credit: 0.5
Pre-Req: Symphonic Band or Marching Band AND Instructor Approval

Credit Type: Fine Arts
Grade Level: 9-12

Jazz Band is an advanced instrumental ensemble for students in grades 9-12 who exceed prescribed skills in the curriculum. Members will study various styles of jazz literature including jazz, swing, rock, and contemporary. Improvisation will be taught in various styles. Jazz Band is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening and weekend activities are required. Jazz Band members may be required to participate in marching band or orchestra. This course may be taken for credit in multiple years.

Instrumental Solo & Ensemble

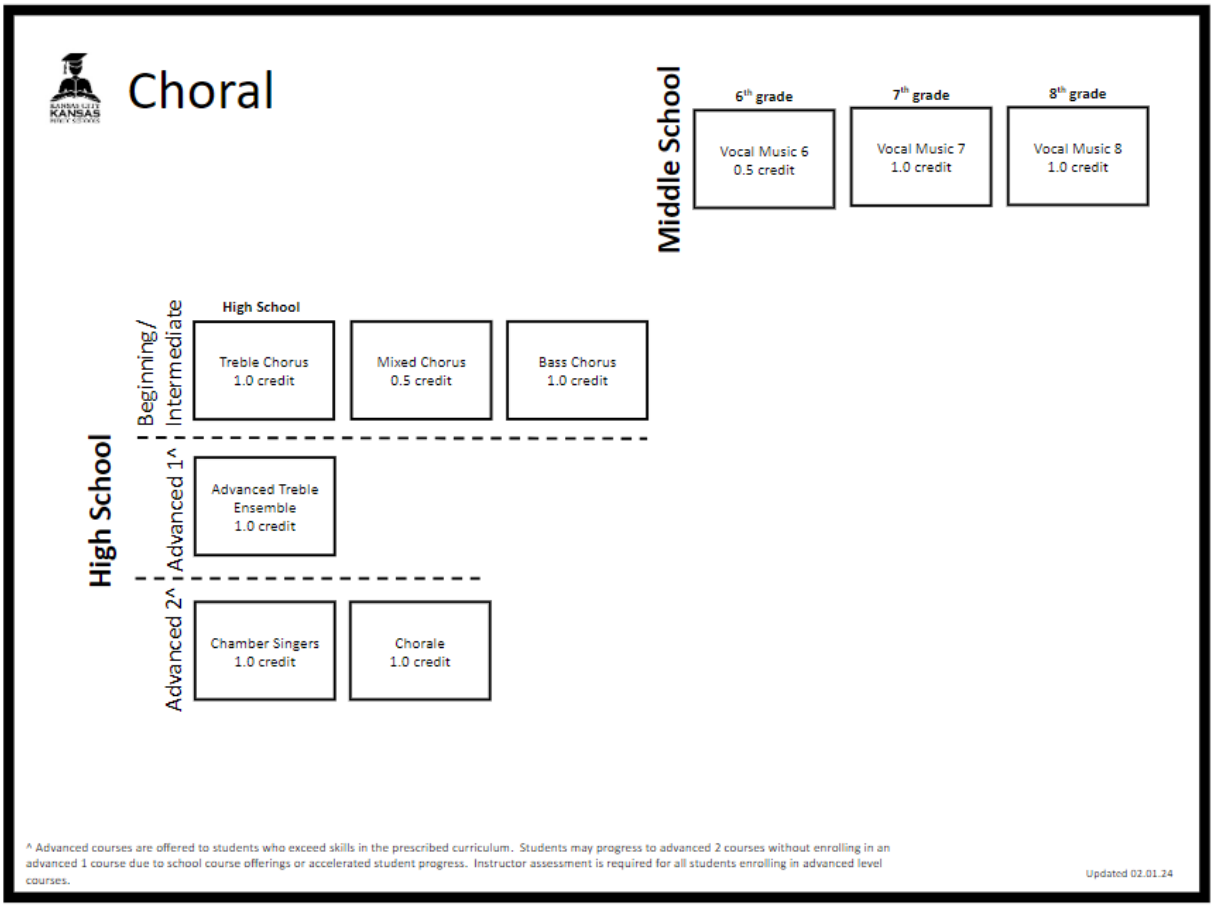
Course #: 08109012
Credit: 0.5
Pre-Req: Instructor Approval

Credit Type: Fine Arts
Grade Level: 9-12

Instrumental Solo/Ensemble is for advanced students who exceed prescribed skills in the curriculum. Students will receive both individual and group instruction on a variety of technical studies, solo, and ensemble literature. Participation in concerts, festivals, and other performances may be required. This course may be taken for credit in multiple years.

Choral – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Treble Chorus	Fine Arts	1.0	No	No	9-12	Can be taken multiple times
Mixed Chorus	Fine Arts	0.5	No	No	9-12	Can be taken multiple times
Bass Chorus	Fine Arts	1.0	No	No	9-12	Can be taken multiple times
Advanced Treble Ensemble	Fine Arts	1.0	No	Yes	9-12	
Chamber Singers	Fine Arts	1.0	No	Yes	9-12	
Chorale	Fine Arts	1.0	No	Yes	9-12	



Treble Chorus

Course #: 08093001
Credit: 1.0
Credit Type: Fine Arts
Grade Level: 9-12

Treble Chorus is a training organization for soprano and alto voices, designed to develop basic vocal technique, music literacy, and performance skills. This is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day. Attendance is required at both in and out-of-school rehearsals and performances. This course may be taken for credit in multiple years.

Mixed Chorus

Course #: 08093012
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Mixed Chorus is a training organization for mixed voices, designed to develop basic vocal technique, music literacy, and performance skills. This is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day. Attendance is required at both in and out-of-school rehearsals and performances. This course may be taken for credit in multiple years.

Bass Chorus

Course #: 08092011
Credit: 1.0
Credit Type: Fine Arts
Grade Level: 9-12

Bass Chorus is a training organization for tenor and bass voices, designed to develop basic vocal technique, music literacy, and performance skills. This is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day. Attendance is required at both in and out-of-school rehearsals and performances. This course may be taken for credit in multiple years.

Advanced Treble Ensemble

Course #: 08102030
Credit: 1.0
Pre-Req: Instructor Approval
Credit Type: Fine Arts
Grade Level: 9-12

Advanced Treble Ensemble is an intermediate choral ensemble for students with treble voices who exceed prescribed skills in the curriculum. Students in this choir will perform choral literature from a variety of styles; instruction is focused on the development of individual vocal technique and ensemble performance skills. This is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening activities are required. This course may be taken for credit in multiple years.

Chamber Singers

Course #: 08103042
Credit: 1.0
Pre-Req: Instructor Approval
Credit Type: Fine Arts
Grade Level: 9-12

Chamber Singers is an advanced, small, mixed ensemble for students who exceed prescribed skills in the curriculum. Participants study and perform literature in various musical styles and learn advanced vocal and choral techniques. Chamber singers is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening and weekend activities are required. This course may be taken for credit in multiple years.

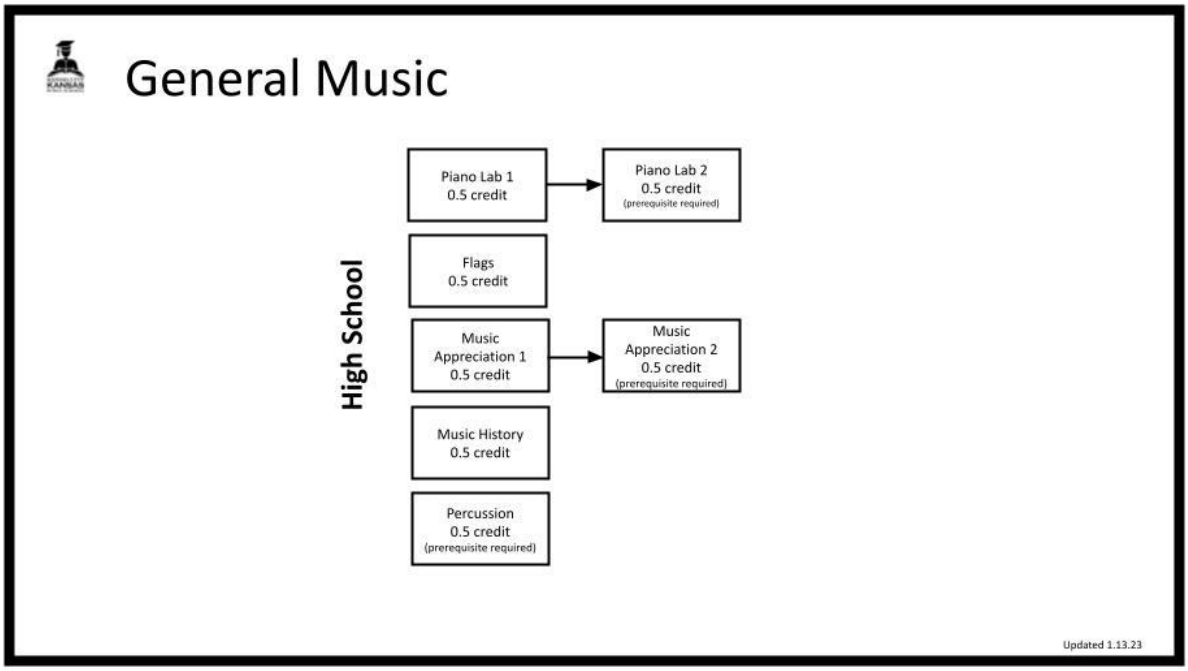
Chorale

Course #: 08103062
Credit: 1.0
Pre-Req: Instructor Approval
Credit Type: Fine Arts
Grade Level: 9-12

Chorale is a large, advanced, choral ensemble for students who exceed prescribed skills in the curriculum. Students in this choir will study and perform literature in various musical styles and learn advanced vocal and choral technique. This is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening activities are required. This course may be taken for credit in multiple years.

General Music – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Flags	Fine Arts	0.5	No	No	9-12	Can be taken multiple times
Music Appreciation 1	Fine Arts	0.5	No	No	9-12	
Music Appreciation 2	Fine Arts	0.5	No	Yes	9-12	
Music History	Fine Arts	0.5	No	No	9-12	
Music IBS	Fine Arts	1.0	No	No	11-12	Sumner Academy ONLY
Percussion	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times
Piano Lab 1	Fine Arts	0.5	No	No	9-12	Can be taken multiple times
Piano Lab 2	Fine Arts	0.5	No	No	9-12	Can be taken multiple times



Flags

Course #: 08096021
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Flags is a class for students who wish to be involved in the marching band color guard for the school. Students enrolled in this class will learn and execute intricate synchronized drills to be performed with and without the marching band, with attention to precise choreographed physical movement that involves the manipulation of various flags and props. This is a co-curricular course: students will be assessed on skills demonstrated both during and outside of the school day; evening and weekend activities are required. This course may be taken for credit in multiple years.

Music Appreciation 1

Course #: 08098011
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Music Appreciation 1 is a non-performance, semester-course open to all students in grades 9-12. Students will focus on listening skills and highlights and will learn basic elements of music and of music history. They will also be exposed to various types of musical styles including hip-hop, classical, jazz, and rock and roll.

Music Appreciation 2

Course #: 08098021
Credit: 0.5
Pre-Req: Music Appreciation 1
Credit Type: Fine Arts
Grade Level: 9-12

Music Appreciation 2 is a continuation of Music Appreciation 1 and offers students opportunities to create, perform, listen to and analyze music. This course surveys music from diverse cultures and is an active study of music's importance in students' lives.

Music History

Course #: 08118051
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Music History is an introduction to music from a historic perspective through perceptive listening and an introduction to musical elements, forms, and stylistic periods. Discussions of composers' lives, individual styles, and their musical compositions are designed to impact facts and stimulate curiosity and enthusiasm.

Music IBS

Course #: 08148020
Credit: 1.0
Credit Type: Fine Arts
Grade Level: 11-12

(Sumner Academy ONLY) IB Music courses prepare students to take the International Baccalaureate Music exam at either the Subsidiary or Higher level. IB Music courses develop students' knowledge and understanding of music through training in musical skills (listening, performing, and composing); exposure to music theory; and formulation of an historic and global awareness of musical forms and styles. Historical, theoretical, and practical studies are suggested by the IB Curriculum Board.

Percussion

Course #: 08095051
Credit: 0.5
Pre-Req: Symphonic Band or Marching Band
Credit Type: Fine Arts
Grade Level: 9-12

Percussion is for students who play a percussion instrument. Enrollment in Marching Band may be required. Emphasis will be placed on percussion fundamentals. Mallet instruments, keyboard techniques, and note and rhythm reading will be stressed. Although some school owned instruments are available for use for a yearly fee, students are encouraged to acquire their own instruments.

Piano Lab 1

Course #: 08108031
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Piano Lab 1 is an introduction to the keyboard and the fundamentals of music for students. The curriculum includes note reading, chording, playing scales and single line melodies with chordal accompaniment, transposing, and experience in the various styles and techniques of piano playing. This course may be taken for credit in multiple years.

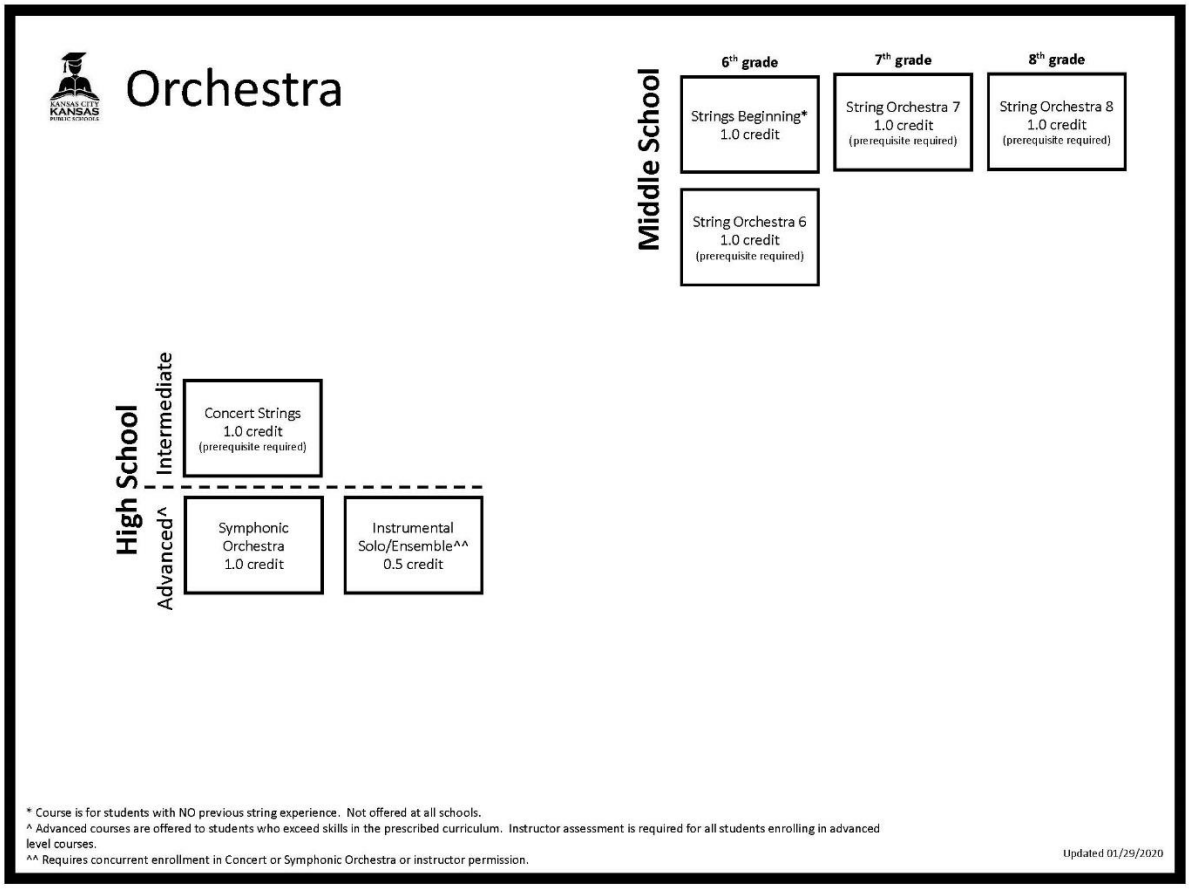
Piano Lab 2

Course #: 08108041
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Piano Lab 2 is a continuation of the skills learned in Piano Lab 1. The course places a concentration on theory skills: intervals, chords, inversions, minor scales, cadences, composition, and advanced piano techniques. This course may be taken for credit in multiple years.

Orchestra – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Concert Strings	Fine Arts	1.0	No	Yes	9-12	Can be taken multiple times
Symphonic Orchestra	Fine Arts	1.0	No	Yes	9-12	Can be taken multiple times
Instrumental Solo/Ensemble	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times



Concert Strings

Course #: 08094012
Credit: 1.0
Pre-Req: previous string experience

Credit Type: Fine Arts
Grade Level: 9-12

Concert Strings provides a continuation of the skills developed in 8th grade orchestra by students in grades 9-12. Concert Strings is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening and weekend activities are required. This course may be taken for credit in multiple years.

Symphonic Orchestra

Course #: 08094022
Credit: 1.0
Pre-Req: Instructor Approval

Credit Type: Fine Arts
Grade Level: 9-12

Symphonic Orchestra is an advanced performing ensemble for students in grades 9-12 who play string instruments and exceed prescribed skills in the curriculum. This is a co-curricular course: students are assessed on skills that are demonstrated both during and outside of the school day; evening and weekend activities are required. This course may be taken for credit in multiple years.

Instrumental Solo/Ensemble

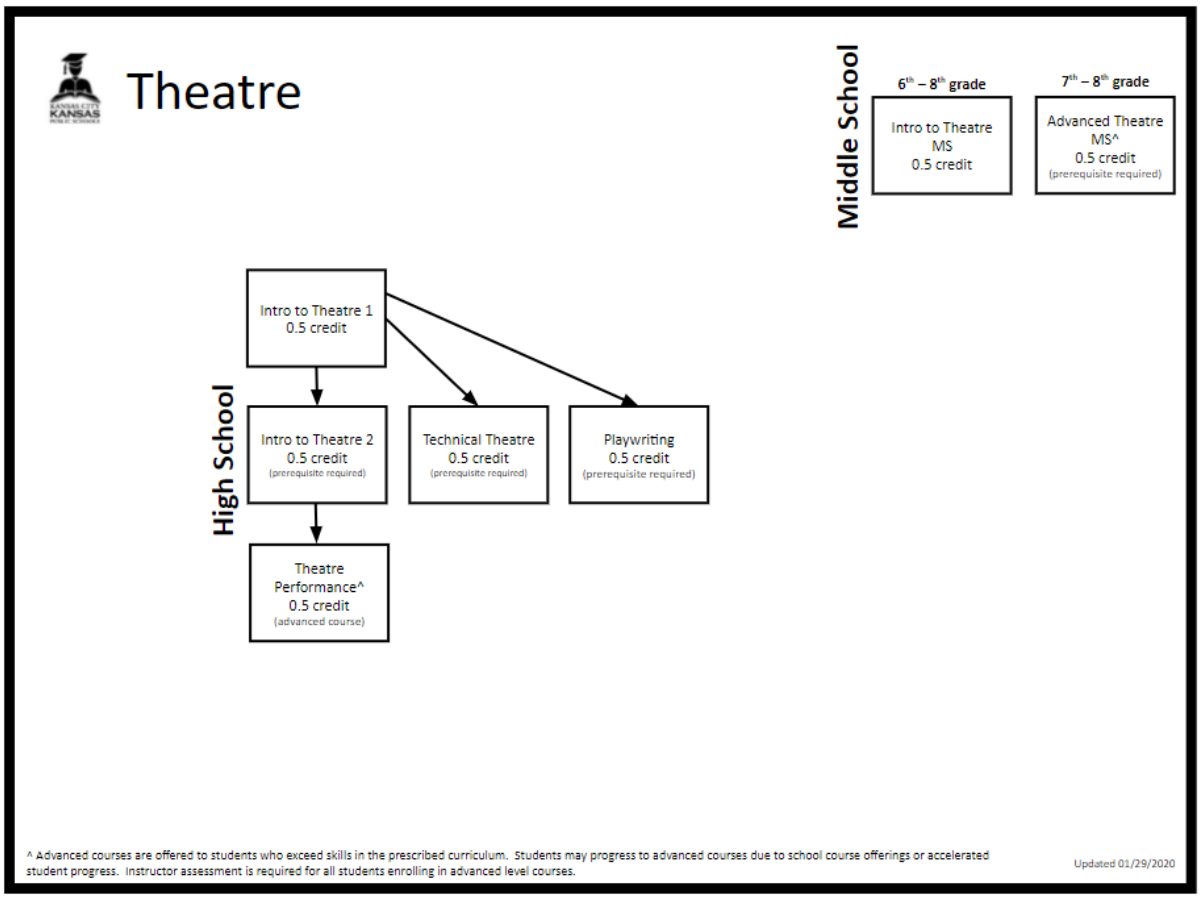
Course #: 08109012
Credit: 0.5
Pre-Req: Instructor Approval

Fine Arts
Grade Level: 9-12

Instrumental Solo/Ensemble is for advanced students who exceed prescribed skills in the curriculum. Students will receive both individual and group instruction on a variety of technical studies, solo, and ensemble literature. Participation in concerts, festivals, and other performances may be required. This course may be taken for credit in multiple years.

Theatre – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Introduction to Theatre 1	Fine Arts	0.5	No	No	9-12	
Introduction to Theatre 2	Fine Arts	0.5	No	Yes	9-12	
Playwriting	Fine Arts	0.5	No	No	9-12	Can be taken multiple times
Technical Theatre	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times
Theatre Performance	Fine Arts	0.5	No	Yes	9-12	Can be taken multiple times



Introduction to Theatre 1

Course #: 09091120
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Intro to Theatre 1 provides students with an introductory experience to the world of theatre. This course serves as an overview of performance and principles of acting, playwriting, improvisation, theater organization, basic set construction and lighting, careers in the theater, directing, and management. Students will work individually and in groups to present in-class performances. This course may be taken for credit in multiple years.

Introduction to Theatre 2

Course #: 09101012
Credit: 0.5
Pre-Req: Intro to Theatre 1
Credit Type: Fine Arts
Grade Level: 9-12

Intro to Theatre 2 is an extension of Intro to Theatre 1. The course provides the opportunity for continued development of skills, focusing on physical and vocal expression for the actor, and work in characterization, script analysis, and acting styles. This course may be taken for credit in multiple years.

Playwriting

Course #: 09102021
Credit: 0.5
Credit Type: Fine Arts
Grade Level: 9-12

Playwriting introduces the craft of writing for the theater. Students will use brainstorming and improvisational techniques to generate original scripts for stage production and will explore scene structure, action, events, voice, and dialogue with an emphasis on process, risk-taking, and finding one's own voice and vision. This course may be taken for credit in multiple years

Technical Theatre

Course #: 09102012
Credit: 0.5
Pre-Req: Intro to Theatre 2
Credit Type: Fine Arts
Grade Level: 9-12

Technical Theatre offers training in the skills of scene design, set construction, electricity, and stage lighting. Students in this course may develop technical elements for any of the school's theater productions. Some evening activities may be required. This course may be taken for credit in multiple years.

Theatre Performance

Course #: 09111020
Credit: 0.5
Pre-Req: Intro to Theatre 2
Credit Type: Fine Arts
Grade Level: 9-12

Theatre Performance will deepen the study of ensemble performance, scripted and improvised acting, playwriting, directing and theatre history. Students will work individually and collaboratively to present theatrical performances. Some evening activities may be required. This course may be taken for credit in multiple years.

Career and Technical Education Pathways

The Goal of Career and Technical Education

Career and technical education (CTE) prepares learners for high-wage, high-skill, high-demand careers. The goal of CTE is to prepare students to be college- and career-ready by integrating academic, employability, and technical skills. Through clear career pathways and postsecondary partnerships, CTE provides students with a rigorous and relevant curriculum that will allow students to successfully transition to life after graduation. Career and technical education provides students with skills to launch them into a successful career or postsecondary track. CTE students are more engaged and perform better in school.

Required CTE Course for Graduation

Business Communications

Course #: 11103021 Credit Type: Career & Technical
Credit: 0.5

Business Communications stresses all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and using technology for communication in business situations and environments. Business Communications will use problem-based projects and real-world applications to prepare students for the future.

Diploma+ and CTE

KCKPS wants students to leave high school with more than just a diploma. We are transforming learning to provide our students with the experiences necessary to propel them into a successful career or college experience. Diploma+ begins at the preschool and elementary levels to build a strong academic foundation, develop social and emotional skills, and expose students to careers. Once students transition to middle school, students are provided with the opportunity to explore college and career through field trips, hands-on learning experiences, guest speakers, and career exploration tools. By the time a student enters high school, students can then deeply explore their career interests through our CTE pathways. Our CTE pathways allow students to learn technical skills related to their career interest and develop employability skills needed to successfully transition to life after graduation. Each CTE pathway provides students with experiences that provide real-world learning in the industry they are exploring. Our goal is to see all students graduate with a Diploma+ endorsement and our CTE pathways are one avenue for students to obtain an endorsement.

How to Pick Classes in CTE

On the pages that follow, you will see information about our CTE pathways in the district. You will notice classes within each pathway are at different levels. We encourage students to begin their journey through a pathway at the lowest level (introductory or technical levels) and work up to the top level (application). Our goal is to see a student earn at least 2 credits in one pathway. We have also noted suggested classes that a student could take to supplement the classes within each pathway. These are not required, but great classes for a student who wants to incorporate classes outside of CTE in their preparation for college or career.

CTE – Media & Technology

Programming & Software Development

Available at all campuses

Computer Science coursework helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP) and AP Computer Science A. This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP and CSA assessment.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Computer Applications	Offered in 8th grade	Half Year
Technical (Level 2)	Computer Programming		1.0
	Computer Science Essentials		1.0
	Web Page Design		1.0
	Computer Science Principles AP	Student must successfully complete CSE first	1.0
Application (Level 3)	Particular Topics in Computer Programming		1.0
	Computer Science A AP	Student must successfully complete CSE first	1.0
	Cybersecurity 1		1.0
	Cybersecurity 2	Student must successfully complete Cybersecurity first	1.0
	Work-Based Learning in Programming and Software Development	Arranged by the WBL Coordinator. Students must successfully complete two credits in this pathway.	1.0

- *Industry Recognized Credential: CompTIA Security+*
- *Aligned to KCKCC TEC Program: Cybersecurity*
- *Aligned to KCKPS Special Program: Tech Impact*

Computer Science A AP

Course #: 10116011 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Computer Science Essentials

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. This course is endorsed by the College Board, giving students the opportunity to take the AP Computer Science A exam for college credit.

Computer Science Essentials

Course #: 10094011 Credit Type: Career & Technical
Credit: 1.0

Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to high level pathway courses.

Computer Science Principles AP

Course #: 10106011 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Computer Science Essentials

(Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.) Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. This course is endorsed by the College Board, giving students the opportunity to take the AP Computer Science principles exam for college credit.

Computer Programming

Course #: 10104015 Credit Type: Career & Technical
Credit: 1.0

Computer Programming students gain knowledge and skills necessary to construct computer programs in one or more programming languages. Initially, students learn to structure, create, document, and debug computer programs. More emphasis is placed on design, style, clarity, and efficiency as skills progress. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

Cybersecurity 1

Course #: 10128040 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Computer Science Essentials

Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyberworld.

Cybersecurity 2

Course #: 10128060 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Cybersecurity 1

This course challenges students to develop advanced skills in concepts and terminology of cybersecurity. This course builds on previous concepts introduced in Cybersecurity 1 while expanding the content to include malware threats, cryptography, wireless technologies and organizational security. Students will prepare for the CompTIA Security+ certification.

Particular Topics Computer Programming

Course #: 10121011 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 1 credit in the pathway

This course expands a student's knowledge of computer science by diving into topics not introduced in other courses, such as data structures, advanced algorithms, and object characteristics.

Web Page Design

Course #: 11105015 Credit Type: Career & Technical
Credit: 1.0

Web Page Design introduces knowledge and skills for site planning, page layout, graphic design, and the use of markup languages such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model. Students will be able to develop and maintain a web page, understanding topics such as security and privacy issues, copyright infringement, trademarks, and other legal issues.

Work-Based Learning in Programming and Software Development

Course #: 10118049 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in the pathway

This course provides students the opportunity to apply the skills and knowledge learned in previous pathway courses within a professional work environment. Students will interact with industry professionals in an aligned project or internship.

Web & Digital Communications

Available at J. C. Harmon and Wyandotte

The Web and Digital Communications pathway prepares students for careers related to design, development, support, and management of software, multimedia, communication, and systems integration. Coursework focuses on building technical skills in working with clients to produce digital content that is informational, promotional, offers a service, manages transactions, or elicits an emotional response. Students build a firm understanding of both the business and artistic sides of web and graphic design.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Computer Applications	Offered in 8th grade	Half Year
Technical (Level 2)	Computer Graphics		1.0
	Computer Programming		1.0
	Graphic Design 2		1.0
	Web Page Design		1.0
	Animation		1.0
Application (Level 3)	Game Design and Authoring for the Web		1.0
	Particular Topics in Media Technology		1.0
	Web and Digital Communications Project Management		1.0

- *Aligned to KCKCC TEC Program: Multimedia/Video Production*

Animation

Course #: 10105021 Credit Type: Career & Technical
Credit: 1.0

This course emphasizes the development of digitally generated and/or computer-enhanced media, including 2D and 3D spatial elements, graphic representation, management of movement, environmental representation (including texture, color, value, form, line, and space), recording media, and distribution tools and methodologies. Students learn programming sequences and methodologies as they are integrated into actions of the characters creating new behaviors.

Computer Graphics 1

Course #: 10107021 Credit Type: Career & Technical
Credit: 1.0

Computer Graphics 1 students explore the capability of the computer to produce visual imagery. They learn to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

Computer Programming

Course #: 10104015 Credit Type: Career & Technical
Credit: 1.0

Computer Programming students gain knowledge and skills necessary to construct computer programs in one or more programming languages. Initially, students learn to structure, create, document, and debug computer programs. More emphasis is placed on design, style, clarity, and efficiency as skills progress. Students may apply the skills they learn to relevant applications such as modeling, data management, graphics, and text-processing.

Game Design and Authoring for the Web

Course #: Credit Type: Career & Technical
Credit: 1.0

Gaming technologies represent the culmination of logic, sequence, tool utilization and design. Students in this course will explore animation, storytelling, programming, game design, and software development.

Graphic Design 2

Course #: 10107025 Credit Type: Career & Technical
Credit: 1.0

Graphic Design 2 builds on skills learned in Computer Graphics 1 or Graphic Design 1. The course emphasizes using design elements and principles in the purposeful arrangement of images and text to communicate a message through art products like advertisements and product designs. Students may investigate the computers influence on and role in creating contemporary designs and study cultural and historical master design works of different periods and styles.

Particular Topics in Media Technology

Course #: 10128017 Credit Type: Career & Technical
Credit: 1.0

This course expands a student's knowledge of media technology by diving into topics not introduced in other courses, such as managing cross layer imaging, color separation, and sound integration.

Web and Digital Communications Project Management

Course #: 10115049 Credit Type: Career & Technical
Credit: 1.0

This course provides students with the information and skills necessary for success in managing projects and operating logistical ventures in technology, business, and industry.

Web Page Design

Course #: 11105015 Credit Type: Career & Technical
Credit: 1.0

Web Page Design introduces knowledge and skills for site planning, page layout, graphic design, and the use of markup languages such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model. Students will be able to develop and maintain a web page, understanding topics such as security and privacy issues, copyright infringement, trademarks, and other legal issues.

Digital Media

Available at F. L. Schlagle, Sumner Academy, Washington, and Wyandotte

Courses in the Digital Media pathway focus on the development of skills to share a message, feeling, or emotion through digital means. Digital Media classes focus on 21st century journalism and electronic story telling through photography, video, and digital means. Students explore the dynamic landscape of social media and today's information driven society.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Business Essentials	Offered in 8th grade	Half Year
	Computer Applications	Offered in 8th grade	Half Year
Technical (Level 2)	21st Century Journalism		0.5
	Audio/Video Production Fundamentals		0.5
	Digital Marketing		0.5
	Digital Media Technology		0.5
	Graphic Design 1		0.5
	Graphic Design 2		1.0
	Photo Imaging		0.5
	Sports and Entertainment Marketing		0.5
Application (Level 3)	Digital Media Design and Production		1.0
	Digital Media Project Management		1.0
	Video Production		1.0

- *Aligned to KCKCC TEC Program: Multimedia/Video Production*

21st Century Journalism

Course #: 13103011 Credit Type: Career & Technical
Credit: 0.5

In 21st Century Journalism students will study types of media and the role of the communications industry in society. Journalistic writing and interviewing skills will be developed with an understanding of the ethical and legal issues of this field.

Audio/Video Production Fundamentals

Course #: 13103019 Credit Type: Career & Technical
Credit: 0.5

Audio Video Production Fundamentals provides a basic understanding of producing video for a variety of uses. Topics include equipment and techniques used to develop a quality A/V product. Students will also analyze the pre-production, production and post-production process.

Digital Marketing

Course #: 11115011 Credit Type: Career & Technical
Credit: 0.5

Digital marketing covers the principles and functions of marketing from the standpoint of conducting business on the internet. Typically, students develop these useful skills: using the internet as a marketing tool, conducting a market analysis, vis the internet, planning marketing support activities, managing an electronic marketing campaign, managing/owning a business via the internet and analyzing the impact of the internet on global marketing.

Digital Media Project Management

Course #: 10127026 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in the pathway

Digital Media Project Management allows advanced digital media students the opportunity to learn the management side of the pathway. Students must have approval from a teacher to take this application level course.

Digital Media Technology

Course #: 13103013 Credit Type: Career & Technical
Credit: 0.5

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include: the use of digital imaging and video, a study of the relationship of work flow to project planning, and the software, equipment and tools used in the industry.

Graphic Design 1

Course #: 13103015 Credit Type: Career & Technical

Credit: 0.5

Graphic Design 1 provides a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality product.

Graphic Design 2

Course #: 10107025 Credit Type: Career & Technical
Credit: 1.0

Graphic Design 2 builds on skills learned in Computer Graphics 1 or Graphic Design 1. The course emphasizes using design elements and principles in the purposeful arrangement of images and text to communicate a message through art products like advertisements and product designs. Students may investigate the computers influence on and role in creating contemporary designs and study cultural and historical master design works of different periods and styles.

Photo Imaging

Course #: 13105021 Credit Type: Career & Technical
Credit: 0.5

Photo Imaging teaches the technical skills needed to produce quality images for use in a variety of applications. Students will learn how to use equipment and software to take, edit, and manipulate digital images.

Sports and Entertainment Marketing

Course #: 11103031 Credit Type: Career & Technical
Credit: 0.5

This course introduces students to and helps them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

Video Production

Course #: 13125015 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Audio Video Production Fundamentals

Video Production applies the technical skills learned in Audio Video Production Fundamentals by allowing students to develop projects. From setting the objectives to the post-production evaluation, students will organize projects that address an authentic need. Students will be responsible for planning the presentation, setting up the studio (if applies), acting as the videographer, and editor to produce a fluid and seamless product.

Graphic Design

Available at J. C. Harmon, Washington, Wyandotte

The Graphic Design pathway focuses on the basics of technical design for two dimensional items which sell a message through images and words, rather than sound or video. Creative students will develop skills for sharing information, a feeling, or emotion through visual design. Courses place emphasis on applied art concepts in a digital environment.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Computer Applications	Offered in 8th grade	Half Year
Technical (Level 2)	Computer Graphics		0.5
	Graphic Design 1		0.5
	Graphic Design 2		1.0
	Photo Imaging		0.5
Application (Level 3)	Graphic Design Project Management		1.0
	Media Technology- Workplace Experience	Arranged by the WBL Coordinator. Students must have successfully completed two credits in this pathway.	1.0

Computer Graphics 1

Course #: 10107021 Credit Type: Career & Technical
Credit: 1.0

Computer Graphics 1 students explore the capability of the computer to produce visual imagery. They learn to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

Graphic Design 1

Course #: 13103015 Credit Type: Career & Technical
Credit: 0.5

Graphic Design 1 provides a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality product.

Graphic Design 2

Course #: 10107025 Credit Type: Career & Technical
Credit: 1.0

Graphic Design 2 builds on skills learned in Computer Graphics 1 or Graphic Design 1. The course emphasizes using design elements and principles in the purposeful arrangement of images and text to communicate a message through art products like advertisements and product designs. Students may investigate the computers influence on and role in creating contemporary designs and study cultural and historical master design works of different periods and styles.

Graphic Design Project Management

Course #: 10125040 Credit Type: Career & Technical
Credit: 1.0
Pre-req: At least 2 credits in the pathway

The Graphic Design Project Management course allows students gain skills necessary to manage projects within industry. Students must have approval from a teacher to take this application level course.

Media Technology – Workplace Experience

Course #: 10125038 Credit Type: Career & Technical
Credit: 1.0

Media Technology Workplace Experience gives students an opportunity to work in the media technology field. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Photo Imaging

Course #: 13105021 Credit Type: Career & Technical
Credit: 0.5

Photo Imaging teaches the technical skills needed to produce quality images for use in a variety of applications. Students will learn how to use equipment and software to take, edit, and manipulate digital images.

CTE - Health

Biomedical

Available at F. L. Schlagle, Sumner Academy, and Wyandotte

By immersing students in activities like practicing suturing and constructing body structures from clay, PLTW Biomedical Science empowers students to build knowledge and skills in biomedical science, as well as in-demand, transportable skills like problem solving, critical and creative thinking, communication, and collaboration. Students explore the human body systems, delve into activities like designing prosthetics, and design their own innovative solutions for pressing health challenges.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Computer Applications	Offered in 8th grade	Half Year
	Biology*		1.0
	Chemistry*		1.0
Technical (Level 2)	Anatomy and Physiology*		1.0
	Human Body Systems		1.0
	Medical Interventions		1.0
	Principles of Biomedical Science		1.0
	Robotics		1.0
Application (Level 3)	Biomedical Innovation		1.0
	Biomedical Workplace Experience	Arranged by WBL Coordinator. Students must successfully complete two credits in this pathway.	1.0

** Anatomy and Physiology, Biology, and Chemistry are courses in the Science Department*

- *Industry Recognized Credential: BLS CPR (piloting)*
- *Aligned to KCKPS Special Program: Bio+*

Biomedical Innovation

Course #: 03122010 Credit Type: Career & Technical
Credit: 1.0

Students build on the knowledge and skills gained from previous courses to design their own innovative solutions for the most pressing health challenges of the 21st century.

Biomedical Workplace Experience

Course #: 13119099 Credit Type: Career & Technical
Credit: 1.0

Biomedical Workplace Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Human Body Systems

Course #: 03112031 Credit Type: Career & Technical
Credit: 1.0

In Human Body Systems, students engage in the study of the processes, structures, and interactions of the human body. Important concepts in the course include communication, transport of substances, locomotion, metabolic processes, defense, and protection. Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation.

Medical Interventions

Course #: 03112034 Credit Type: Career & Technical
Credit: 1.0

Students explore and identify the wide area of medical interventions and how health care professionals and researchers have identified causes and solutions to improve overall public healthcare. Students will explore such areas as infections, genes, cancer, organ failure, immunization, transplants, blood types, medical drugs, legal issues in healthcare, emerging technology, careers that use medical interventions, and safety.

Principles of Biomedical Science

Course #: 03102001 Credit Type: Career & Technical
Credit: 1.0

This course serves to provide foundational knowledge and skills in fields such as biology, anatomy & physiology, genetics, microbiology, and epidemiology as well as engage students in how this content can be applied to real world situations, cases, and problems. From design and data analysis to outbreaks, clinical empathy, health promotion, and more, students explore the vast range of careers in biomedical sciences.

Robotics

Course #: 13105012 Credit Type: Career & Technical
Credit: 1.0

Students develop skills and knowledge to design and develop robotic devices. Topics may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

Health Science

Available at J. C. Harmon, Washington, and Wyandotte

Health Science courses prepare students for an introduction to a successful and in demand career in the health care industry. Coursework centers around technical skills and laboratory experiences that lead to occupations found in hospitals, clinics, dentistry, pharmacy, patient care, sports medicine, physical therapy, and forensics. In addition to career preparation, health science classes provide lifelong career and life skills for the individual.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Biology*		1.0
	Chemistry*		1.0
	Intro to Health Care		0.5
Technical (Level 2)	Anatomy and Physiology*		1.0
	Medical Interventions		1.0
	Medical Terminology		0.5
	Health Care Research and Clinical Skills A		0.5
	Health Care Research and Clinical Skills B		1.0
	Sports Medicine 1		1.0
Application (Level 3)	Sports Medicine 2	Student must successfully complete Sports Medicine 1.	1.0
	Health Care Work Experience	Arranged by WBL Coordinator. To be eligible, students must successfully complete two credits in this pathway.	1.0

** Anatomy and Physiology, Biology, and Chemistry are courses in the Science Department*

- *Industry Recognized Credential: OSHA-10, BLS CPR (piloting)*
- *Aligned to KCKCC TEC Program: Health Careers (CNA)*
- *Aligned to KCKPS Special Programs: Dental Assistant, Pharmacy Technician*

Anatomy & Physiology

Course #: 03112005
Credit: 1.0
Credit Type: Science
Grade Level: 10-12

This course is usually taken after a comprehensive initial study of biology, Anatomy and Physiology presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and so on), and may dissect mammals.

Health Care Work Experience

Course #: 03119099
Credit: 1.0
Credit Type: Career & Technical

Work Based Learning Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Introduction to Health Care

Course #: 03098031
Credit: 0.5
Credit Type: Career & Technical

This course provides students with the basic knowledge of health/wellness professionals in private business and industry, community organizations, and health care settings, as well as job opportunities, wage, and duties. This class includes instruction in personal health, community health and welfare, nutrition, epidemiology, disease prevention, fitness and exercise, and health behaviors that are associated with various health careers. This course is required for pathway approval.

Medical Interventions

Course #: 03112034
Credit: 1.0
Credit Type: Career & Technical

Students explore and identify the wide area of medical interventions and how health care professionals and researchers have identified causes and solutions to improve overall public healthcare. Students will explore such areas as infections, genes, cancer, organ failure, immunization, transplants, blood types, medical drugs, legal issues in healthcare, emerging technology, careers that use medical interventions, and safety.

Medical Terminology

Course #: 03094031
Credit Type: Career & Technical

Credit: 0.5

In Medical Terminology, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions.

Research & Clinical Skills 2

Course #: 03108033 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Introduction to Health Care & Medical Terminology

An in-depth look at a specific topic, area of research, occupation/career, technique or skill in the health science area, which has been selected by the teacher of record for study. Students may further explore the special topic by collaborating, observing, and participating in approved activities with local and regional health care professionals to offer Professional Learning Experiences (PLE).

Sports Medicine 1

Course #: 03118045 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Anatomy & Physiology

This course is designed for students who have a serious interest in pursuing a career in the sports medicine field. Topics include the training room, emergency preparedness, injury game plan, rehabilitation and preseason conditioning, nutrition and the athlete, dietary supplements and performance enhancers, sports psychology, assessment and evaluation of sports injuries, therapeutic physical modalities, and proper taping and wrapping.

Sports Medicine 2

Course #: Credit Type: Career & Technical
Credit: 1.0

This course is a continuation of Sports Medicine I and provides advanced sports medicine students with instruction in advanced techniques and processes. Students will participate in hands-on experiences evaluating injuries commonly sustained by the competitive athlete. It includes all areas of sports medicine such as sports medicine terminology, musculoskeletal anatomy, evaluation, assessment, rehabilitation, and prevention of athletic injuries. Emphasis will be placed on evaluating and assessing athletic injuries.

CTE – Design, Production, & Repair

Construction & Design

Available at Wyandotte

The Construction and Design pathway coursework prepares students with the knowledge and skills necessary to continue education or pursue a career in architecture, construction, or a related design trades occupation. Students complete projects that focus on the design process, building prototypes, and developing a finished set of plans and material lists. Students who complete the construction strand also have opportunities for industry recognized certifications like OSHA 10.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Drafting- Architectural and Mechanical		0.5
	Introduction to Design and Pre-Construction		0.5
Technical (Level 2)	Architectural Design		1.0
	Carpentry 1		1.0
	Drafting/CAD		1.0
	Woodworking Principles		1.0
Application (Level 3)	Advanced Materials Technology		1.0
	Furniture and Cabinetry Fabrication		1.0
	Research and Design in Building Trades		1.0
	Carpentry 2	Student must successfully complete Carpentry 1 first.	1.0
	Workplace Experience in Architecture and Construction	Arranged by the WBL Coordinator. Students have successfully completed two credits in this pathway.	0.5
	Comprehensive Workplace Experience in Architecture and Construction	Arranged by the WBL Coordinator. Students have successfully completed two credits in this pathway.	1.0

- *Industry Recognized Credentials: OSHA-10 and NCCER Core and Carpentry Level 1*
- *Aligned to KCKCC TEC Programs: Building Engineering and Maintenance Technology, Constructional Technology, Electrical Technology, and Heating and Refrigeration*

Advanced Materials Technology

Course #:
Credit: 1.0
Credit Type: Career & Technical

This is a progressive application level course furthering the study of CNC equipment, materials, and the processes involved with fabricating goods with these technologies (i.e. composite panel products, veneering, etc.). Builds upon the concepts and skills learned in Woodworking Principles and Furniture & Cabinetry Fabrication.

Architectural Design

Course #: 13104011
Credit: 1.0
Credit Type: Career & Technical

Architectural Design introduces students to the technical craft of drawing illustrations to represent and/or analyze design specifications using examples drawn from architectural applications. This course is intended to help students develop general drafting skills, with an emphasis on interior and exterior residential and light commercial design. Site orientation, floor plans, electrical plans, design sketches, and presentation drawings will be covered. In addition, students may prepare scale models.

Carpentry 1

Course #: 13101045
Credit: 1.0
Credit Type: Career & Technical

Carpentry 1 instructs students in the basic knowledge and skills required to construct residential structures. Career opportunities and training requirements for careers are included.

Carpentry 2

Course #: 13111055
Credit: 1.0
Pre-Req: Carpentry 1
Credit Type: Career & Technical

Carpentry 2 gives students advanced instruction in skills pertaining to rough construction and finish work.

Comprehensive Workplace Experience in Architecture & Construction

Course #: 13118049 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in pathway

The goal of the capstone is to focus on career preparation experience by deepening student knowledge and skill development for success in employment and postsecondary education. This course is recommended for students planning to enter the workforce directly after high school or enrolling in a postsecondary training program related to the career pathway. This course is structured to give students extensive practice in applying technical and practical skills in their chosen career.

Drafting/CAD

Course #: 13094013 Credit Type: Career & Technical
Credit: 1.0

Students in this class are introduced to the basics of CAD design and software available in the industry.

Drafting - Architectural and Manufacturing

Course #: 13094013 Credit Type: Career & Technical
Credit: 1.0

This course introduces students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Students will develop the ability to perform freehand sketching, lettering, geometric construction, and multi-view projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems (if available) are typically introduced and used to fulfill course objectives.

Furniture & Cabinetry Fabrication

Course #: 13121045 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Woodworking Principles

Furniture & Cabinetry Fabrication provides students with experiences in constructing cases, cabinets, counters, furniture and interior woodwork.

Introduction to Design & Pre-Construction

Course #: 13093009 Credit Type: Career & Technical
Credit: 0.5

This course will introduce students to the knowledge and skills of serving the general public in a variety of occupations. Topics will include identifying personal strengths and weaknesses and setting career goals, leadership, teamwork and problem solving, analyzing leadership roles and identifying leadership opportunities within the school.

Research and Design in Building Trades

Course #: 13121051 Credit Type: Career & Technical
Credit: 1.0

An advanced research and design course covering specific topics in building construction to include management and “green building” skills. Builds upon the concepts and skills learned in Carpentry 1 and Carpentry 2.

Woodworking Principles

Course #: 13111045 Credit Type: Career & Technical
Credit: 1.0

Students in Woodworking Principles learn to distinguish between various types of furniture construction and their appropriate applications; the use of patterns, diagrams, and schematics; joinery methods, fasteners, hardware, and finishes; and the proper use of hand and power tools. Lamination and other advanced techniques may be covered.

Workplace Experience in Architecture & Construction

Course #: Credit Type: Career & Technical
Credit: 0.5
Pre-Req: At least 2 credits in pathway

The goal of the capstone is to focus on career preparation experience by deepening student knowledge and skill development for success in employment and postsecondary education. This course is recommended for students planning to enter the workforce directly after high school or enrolling in a postsecondary training program related to the career pathway. This course is structured to give students extensive practice in applying technical and practical skills in their chosen career.

Energy

Available at Washington

The Energy pathway introduces students to the areas of wind power, solar power, geothermal power, hydropower, gas transmission, and nuclear generation. Students explore concepts of power, energy, transmission, and their interaction with our environment. Completing the full pathway can provide nationally recognized industry credentials for the U.S. energy workforce.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Introduction to Energy Fundamentals		0.5
Technical (Level 2)	Energy Industry Fundamentals		1.0
	Energy, Power, Society		1.0
Application (Level 3)	Research and Development for Energy		0.5
	Research and Development for Energy- Comprehensive		1.0

- *Industry Recognized Credentials: OSHA-10 and NC3 Data Analytics*
- *Aligned to KCKCC TEC Program: Electrical Technology and Heating and Refrigeration*

Research and Development for Energy

Course #:
Credit Type: Career & Technical
Credit: 0.5

This courses focuses on career preparation experience by deepening student knowledge and skill development for success in employment and post secondary education. This course is structured to give students extensive practices in applying technical and practical skills in their chosen career.

Research and Development for Energy - Comp

Course #: 13117049
Credit Type: Career & Technical
Credit: 1.0

This courses focuses on career preparation experience by deepening student knowledge and skill development for success in employment and post secondary education. This course is structured to give students extensive practices in applying technical and practical skills in their chosen career.

Energy Industry Fundamentals

Course #: 13107030
Credit Type: Career & Technical
Credit: 1.0

This course provides a broad understanding of the electric and natural gas utility industry and the energy generation, transmission, and distribution infrastructure. The course includes business models, regulations, types of energy and their conversion to useable energy such as electric power, emerging technologies, how generated power is transmitted and distributed to the point of use, and the connection to careers in the energy industry. The students have an opportunity to earn a nationally recognized industry credential by course end.

Energy, Power, and Society

Course #: 13107020
Credit Type: Career & Technical
Credit: 1.0

This course is designed to introduce students to the terminology and other aspects of the wind industry and further their knowledge of renewable and non-renewable energy and fuels, natural resource management, water quality and land use. Course topics will include the history of the wind industry, types and applications of various wind turbines, environmental and economic issues of the wind industry, and the future of the industry. There will be a focus on project based learning, with students applying their skills and knowledge in real-world settings.

Introduction to Energy

Course #: 13097010
Credit Type: Career & Technical
Credit: 0.5

This course is designed to provide students with a basic understanding of environmental issues and sustainable practices. Two aspects of green technology will be stressed: energy and sustainability. Hands-on projects will generate interest in and passion for environmental issues. Protecting the environment and alternative energy generation are an important part of the students' experience. Careers in green technology and the requirements to obtain various positions will also be discussed.

Engineering

Available at F. L. Schlagle, J. C. Harmon, Sumner Academy, and Wyandotte

PLTW Engineering empowers students to step into the role of an engineer, adopt a problem-solving mindset, and make the leap from dreamers to doers. The program' s courses engage students in compelling, real-world challenges that help them become better collaborators and thinkers. Students take from the courses in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Chemistry*		1.0
	Engineering Essentials		1.0
Technical (Level 2) Open to grades 9-12	Engineering Design- IED		1.0
	Drafting/CAD		1.0
	Principles of Applied Engineering		1.0
	Robotics		1.0
Application (Level 3) Funded 9th grade ineligible	Civil Engineering and Architecture		1.0
	Digital Electronics		1.0
	Engineering Design and Development		1.0
	Workplace Experience in Engineering	Arranged by the WBL Coordinator. Students must successfully complete two credits in this pathway.	0.5 or 1.0

** Chemistry is a course in the Science Department*

- *Industry Recognized Credential: OSHA-10*

Civil Engineering & Architecture

Course #: 13126021 Credit Type: Career & Technical
Credit: 1.0

Students learn important aspects of building and site design and development, and then they apply what they know to design a commercial building.

Digital Electronics

Course #: 13116031 Credit Type: Career & Technical
Credit: 1.0

Students explore the foundations of computing by engaging in circuit design processes to create combinational logic and sequential logic (memory) as electrical engineers do in industry.

Drafting/CAD

Course #: 13094013 Credit Type: Career & Technical
Credit: 1.0

Students in this class are introduced to the basics of CAD design and software available in the industry.

Engineering Design (IED)

Course #: 13096025 Credit Type: Career & Technical
Credit: 1.0

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects like designing a new toy or improving an existing product.

Engineering Design & Development

Course #: 13126025 Credit Type: Career & Technical
Credit: 1.0

Students identify a real-world challenge and then research, design, and test a solution, ultimately presenting their unique solutions to a panel of engineers.

Engineering Essentials

Course #: 13091002 Credit Type: Career & Technical
Credit: 1.0

This course is designed to introduce students to concepts in Engineering with a focus on Science, Technology, Engineering, & Math; including units on safety and tools, computer use, design, automation, robotics, space, flight, and electricity.

Robotics

Course #: 13105012 Credit Type: Career & Technical
Credit: 1.0

Students develop skills and knowledge to design and develop robotic devices. Topics may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

Principles of Applied Engineering

Course #: 13106014 Credit Type: Career & Technical
Credit: 1.0

Students explore a broad range of engineering topics including mechanisms, strength of structure and materials, and automation, and then they apply what they know to take on challenges like designing a self-powered car.

Workplace Experience in Engineering

Course #: 13112099 Credit Type: Career & Technical
Credit: 0.5 or 1.0
Pre/Co Requisite: At least 2 credits in pathway

Workplace Experience in Engineering is a culminating pathway opportunity that allows students to use the skills they have learned in the real world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

CTE – Business

Business Finance

Available at F. L. Schlagle, J. C. Harmon, and Washington

Business Finance coursework prepares students for careers and educational opportunities in financial and investment planning, banking, insurance, and business financial management. Coursework focuses on high demand workplace skills such as organization, time management, customer service, and business communication. Students exit the pathway with a firm grasp on the ever-changing global financial scene.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Business Essentials	Offered in 8th grade	Half Year
Technical (Level 2)	Accounting		1.0
	Business Communications*		0.5
	Business Economics**		0.5
	Business Law		0.5
	Entrepreneurship		0.5
			0.5
Application (Level 3)	Banking and Finance		0.5
	Investing		0.5
	Finance Workplace Experience	Arranged by the WBL Coordinator. Student must successfully complete two credits in this pathway.	0.5 or 1.0
	Advanced Finance – Workplace Experience	Arranged by the WBL Coordinator. Student must successfully complete two credits in this pathway.	1.0

** required course*

*** Business Economics is a course in the Social Studies Department*

Advanced Finance - Workplace Experience

Course #:
Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in pathway

Business Finance Workplace Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Accounting 1

Course #: 11101011
Credit Type: Career & Technical
Credit: 1.0

Students will study and practice accounting principles and procedures used in businesses. Topics include the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students will prepare budgets, final reports, and use auditing principles.

Banking & Finance

Course #: 11127011
Credit Type: Career & Technical
Credit: 0.5
Pre-Req: Accounting 1

Banking and Finance provides students with an overview of the American monetary and banking system. Students will learn about financial institutions and the services and products they offer. Students also learn about government regulations; checking, saving, and money market accounts; various types of investments; and negotiable instruments.

Business Communications

Course #: 11103021
Credit Type: Career & Technical
Credit: 0.5

Business Communications stresses all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and using technology for communication in business situations and environments. Business Communications will use problem-based projects and real-world applications to prepare students for the future.

Business Economics

Course #: 04117021
Credit Type: Social Studies

Credit: 0.5

Business Economics integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). With a primary emphasis on the principles of microeconomics and the U.S. economic system. Students will also cover topics such as principles of macroeconomics, international economics, and comparative economics.

Business Law

Course #: 11108015
Credit: 1.0
Credit Type: Career & Technical

Business Law emphasizes legal concepts that are relevant to business and business organizations. Topics examined in this course include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

Entrepreneurship

Course #: 11105011
Credit: 0.5
Credit Type: Career & Technical

Entrepreneurship students develop knowledge and skills necessary to own and operate a business. Topics include: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.

Finance Workplace Experience

Course #: 11119049
Credit: 1.0
Pre-Req: At least 2 credits in pathway
Credit Type: Career & Technical

Business Finance Workplace Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Investing

Course #: 11117031
Credit: 0.5
Pre-Req: Accounting 1
Credit Type: Career & Technical

Investing students learn about business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Student may also review annual reports, predicting growth rates, analyzing trends, and participating in stock market simulations.

Business Management & Entrepreneurship

Available at all campuses

The Business Management and Entrepreneurship pathway prepares students for careers and continuing education opportunities planning, organizing, directing, and evaluation business functions essential to efficient and productive business operations. Students complete courses that prepare them with a firm foundation in the operations of a small- or large-scale business venture. The course of study is based on national business, management, and entrepreneurship industry standards.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Business Essentials	Offered in 8th grade	Half Year
Technical (Level 2)	Business Communications*		0.5
	Business Economics**		0.5
	Business Management		0.5
	Entrepreneurship		0.5
	Accounting 1		1.0
	Business Law		0.5
	Principles of Marketing		1.0
Application (Level 3)	Applied Business Development		1.0
	Business Management and Entrepreneurship Workplace Experience	Arranged by WBL Coordinator. Students must complete two credits in this pathway.	0.5
	Advanced Business Management and Entrepreneurship Workplace Experience	Arranged by WBL Coordinator. Students must complete two credits in this pathway.	1.0

** required course*

*** Business Economics is a course in the Social Studies Department*

Advanced Business Management & Entrepreneurship Workplace Experience

Course #: 11118099 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in pathway

Business Management & Entrepreneurship Workplace Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Accounting 1

Course #: 11101011 Credit Type: Career & Technical
Credit: 1.0

Students will study and practice accounting principles and procedures used in businesses. Topics include the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students will prepare budgets, final reports, and use auditing principles.

Applied Business Development

Course #: 11125211 Credit Type: Career & Technical
Credit: 1.0

Applied Business Development students plan, organize, direct, and control the functions of a business while assuming the responsibilities and risks involved. Students will develop skills in enterprise development, market analysis and financial preparation. Includes classroom activities, further study of the field, and discussion regarding real-world experiences and applications that students encounter in owning and managing a business.

Business Communications

Course #: 11103021 Credit Type: Career & Technical
Credit: 0.5

Business Communications stresses all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and using technology for communication in business situations and environments. Business Communications will use problem-based projects and real-world applications to prepare students for the future.

Business Economics

Course #: 04117021 Credit Type: Social Studies
Credit: 0.5 Grade Level: 11-12

Business Economics integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). With a primary emphasis on the principles of microeconomics and the U.S. economic system. Students will also cover topics such as principles of macroeconomics, international economics, and comparative economics.

Business Law

Course #: 11108015 Credit Type: Career & Technical
Credit: 1.0

Business Law emphasizes legal concepts that are relevant to business and business organizations. Topics examined in this course include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

Business Management

Course #: 11117021 Credit Type: Career & Technical
Credit: 0.5

Business Management provides students with management experiences. Student gain the skills to perform the planning, staffing, financing, and controlling functions within a business. They also learn about business structure, finance, and the interconnections among industry, government, and the global economy. Problem-based, real-world applications of business concepts are emphasized. Accounting concepts are used to formulate, analyze, and evaluate business decisions.

Business Management & Entrepreneurship Workplace Experience

Course #: 11118099 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: At least 2 credits in pathway

Business Management & Entrepreneurship Workplace Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Entrepreneurship

Course #: 11105011 Credit Type: Career & Technical
Credit: 0.5

Entrepreneurship students develop knowledge and skills necessary to own and operate a business. Topics include: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.

Principles of Marketing

Course #: 11109011 Credit Type: Career & Technical
Credit: 1.0

Principles of Marketing offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Students will learn about different kinds of markets; how to identify a market; product planning, packaging, and pricing; and business management.

Marketing

Available at F. L. Schlagle, J. C. Harmon, Washington, and Wyandotte

The Marketing pathway prepares learners for a career in planning, managing, and marketing activities within an organizational setting. Students learn technical skills such as brand management, professional sales, merchandising, marketing communications, and market research. This pathway transfers across multiple career fields as well as teaching invaluable life skills for prospective small business ventures.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Business Essentials	Offered in 8th grade	Half Year
Technical (Level 2)	Business Communications*		0.5
	Business Economics**		0.5
	Principles of Marketing		1.0
	Accounting 1		1.0
	Business Management		0.5
	Digital Marketing		0.5
	Entrepreneurship		0.5
	Graphic Design 2		1.0
	Principles of Advertising		0.5
	Sports/Entertainment Marketing		0.5
	Web Page Design		1.0
	Computer Graphics 1		1.0
Application (Level 3)	Marketing Applications		1.0
	Marketing- Workplace Experience	Arranged by the WBL Coordinator. Students must successfully complete two credits in pathway.	0.5 or 1.0
	Advanced Marketing- Workplace Experience	Arranged by the WBL Coordinator. Students must successfully complete two credits in pathway.	1.0

** required course*

*** Business Economics is a course in the Social Studies Department*

Advanced Marketing Workplace Experience

Course #:
Credit: 1.0
Pre-Req: At least 2 credits in pathway

Credit Type: Career & Technical

Marketing Workplace Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Accounting 1

Course #: 11101011
Credit: 1.0

Credit Type: Career & Technical

Students will study and practice accounting principles and procedures used in businesses. Topics include the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students will prepare budgets, final reports, and use auditing principles.

Business Communications

Course #: 11103021
Credit: 0.5

Credit Type: Career & Technical

Business Communications stresses all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and using technology for communication in business situations and environments. Business Communications will use problem-based projects and real-world applications to prepare students for the future.

Business Economics

Course #: 04117021
Credit: 0.5

Credit Type: Social Studies
Grade Level: 11-12

Business Economics integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). With a primary emphasis on the principles of microeconomics and the U.S. economic system. Students will also cover topics such as principles of macroeconomics, international economics, and comparative economics.

Business Management

Course #: 11117021 Credit Type: Career & Technical
Credit: 0.5
Co-Req: Entrepreneurship

Business Management provides students with management experiences. Student gain the skills to perform the planning, staffing, financing, and controlling functions within a business. They also learn about business structure, finance, and the interconnections among industry, government, and the global economy. Problem-based, real-world applications of business concepts are emphasized. Accounting concepts are used to formulate, analyze, and evaluate business decisions.

Computer Graphics 1

Course #: 10107021 Credit Type: Career & Technical
Credit: 1.0

Computer Graphics 1 students explore the capability of the computer to produce visual imagery. They learn to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

Digital Marketing

Course #: 11115011 Credit Type: Career & Technical
Credit: 0.5

Digital marketing covers the principles and functions of marketing from the standpoint of conducting business on the Internet. Typically, students develop these useful skills: using the Internet as a marketing tool, conducting a marketing analysis via the Internet, planning marketing support activities, managing an electronic marketing campaign, managing/owning a business via the Internet, and analyzing the impact of the Internet on global marketing.

Entrepreneurship

Course #: 11105011 Credit Type: Career & Technical
Credit: 0.5

Entrepreneurship students develop knowledge and skills necessary to own and operate a business. Topics include: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.

Graphic Design 2

Course #: 10107025 Credit Type: Career & Technical
Credit: 1.0

Graphic Design 2 builds on skills learned in Computer Graphics 1 or Graphic Design 1. The course emphasizes using design elements and principles in the purposeful arrangement of images and text to communicate a message through art products like advertisements and product designs. Students may investigate the computers influence on and role in creating contemporary designs and study cultural and historical master design works of different periods and styles.

Marketing Applications

Course #: 11125023 Credit Type: Career & Technical
Credit: 1.0

Marketing Applications allows students to learn more advanced marketing concepts through projects. Topics include the nature of marketing plans, coordinating channel management with other marketing activities, generating product ideas, and coordinating activities in the promotional mix. Demonstration of specialized sales processes and techniques, economic, and financial concepts are also covered.

Marketing Workplace Experience

Course #: 12115099 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: At least 2 credits in pathway

Marketing Workplace Experience is a culminating pathway opportunity that allows students to use the skills they have learned in the real-world. Students will be enrolled in this course by their counselor after they have successfully applied, interviewed for, and been offered an internship. Students will be supervised by a pathway coordinator throughout the internship.

Principles of Advertising

Course #: 11105035 Credit Type: Career & Technical
Credit: 0.5

Principles of Advertising exposes students to the varied concepts underlying the promotion of products. The topics included in Principles of Advertising typically include the psychology of advertising, a study of various media, advertising planning and budgeting, and advertising layout and design principles. Course topics may also include an overview of commercial art and packaging.

Principles of Marketing

Course #: 11109011 Credit Type: Career & Technical
Credit: 1.0

Principles of Marketing offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Students will learn about different kinds of markets; how to identify a market; product planning, packaging, and pricing; and business management.

Sports and Entertainment Marketing

Course #: 11103031 Credit Type: Career & Technical
Credit: 0.5

Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

Web Page Design

Course #: 11105015 Credit Type: Career & Technical
Credit: 1.0

Web Page Design introduces knowledge and skills for site planning, page layout, graphic design, and the use of markup languages such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model. Students will be able to develop and maintain a web page, understanding topics such as security and privacy issues, copyright infringement, trademarks, and other legal issues.

CTE – Family & Consumer Services

Family, Community, & Consumer Services

Available at J. C. Harmon

The Family, Community, and Consumer Services pathway focuses on careers relating to meeting the essential needs of people. Coursework focuses on social/emotional wellness, financial literacy, and physical health. Occupations which focus on the relationships between and among family members are a focus as well as those related to personal and family financial goal management. This pathway is unique in that the entire human condition is included.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Career and Life Planning	Offered at 8th grade	Half Year
Technical (Level 2)	Family Studies		0.5
	Human Growth and Development – Early Years		0.5
	Human Growth and Development – Lifespan		0.5
Application (Level 3)	Career Connections		0.5
	Community Connections		0.5

Career Connections

Course #: 12117059 Credit Type: Career & Technical
Credit: 0.5

Students enrolled in this course are expected to have mastered skills in the culinary field and be able to apply them in authentic experiences following industry standards and regulations. Students will work within a school, community, or workplace and experience all aspects of the industry in this course.

Community Connections

Course #: 12117049 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: At least 1 credit in the pathway

The goal of this course is to focus on career preparation experience by deepening student knowledge and skill development for success in employment and postsecondary education. This course is recommended for students planning to enter the workforce directly after high school or enrolling in a postsecondary training program related to the career pathway. This course is structured to give students extensive practice in applying technical and practical skills in their chosen career.

Family Studies

Course #: 12104021 Credit Type: Career & Technical
Credit: 0.5

Family Studies emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. Topics may include: various stages of life, family units and organization, human sexuality and reproduction, social/dating practices, and parenthood. Individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner may be included.

Human Growth & Development – Early Years

Course #: 12106012 Credit Type: Career & Technical
Credit: 0.5
Concurrent Enrollment: Human Growth & Development – Lifespan Development

The first half of the Human Growth and Development coursework explores physical, mental, emotional, and social growth across the life stages. Students will explore physical, mental, emotional, and social growth across the life stages. A special emphasis is given to the stages from birth to school-age development, including prenatal and birth processes. This course is to be taken with 12106012 Human Growth and Development – Lifespan Development.

Human Growth & Development – Lifespan Development

Course #: 12105012 Credit Type: Career & Technical
Credit: 0.5
Concurrent Enrollment: Human Growth & Development – Early Years

The second half of the Human Growth & Development coursework explores physical, mental, emotional, and social growth across the life stages. This course focuses on the time from late childhood to old age. This course is to be taken with 12105012 Human Growth and Development – Early Years.

Restaurant & Event Management

Available at Wyandotte

Students who are interested in a career in culinary arts, lodging, or travel/tourism can pick up valuable skills through the Restaurant and Event Management pathway. Early coursework introduces students to a firm foundation in business, marketing, and food science. Later coursework allows students to specialize in the areas of Event Planning or Culinary Arts. Successful completion of the pathway can lead to nationally recognized industry credentials.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Business Essentials	Offered in 8th grade	Half Year
	Career and Life Planning	Offered in 8th grade	Half Year
Technical (Level 2)	Baking and Pastry 1		0.5
	Culinary Essentials		0.5
	Culinary Arts 1		1.0
	Entrepreneurship		0.5
	Event Planning and Management		0.5
	Principles of Marketing		1.0
	Baking and Pastry 2	Students must successfully complete Pastry 1 first.	0.5
	Culinary Arts 2	Students must successfully complete Culinary Arts 1 first.	0.5
Application (Level 3)	Applied Business Development		1.0
	Community Connections		0.5
	Career Connections		0.5
	Culinary Workplace Experience	Arranged by the WBL Coordinator. Students must successfully complete two credits in this pathway.	1.0

- *Industry Recognized Credential: ServSafe-Food Handlers*
- *Aligned to KCKCC TEC Program: Culinary Arts*

Applied Business Development

Course #: 11125211 Credit Type: Career & Technical
Credit: 1.0

Applied Business Development students plan, organize, direct, and control the functions of a business while assuming the responsibilities and risks involved. Students will develop skills in enterprise development, market analysis and financial preparation. Includes classroom activities, further study of the field, and discussion regarding real-world experiences and applications that students encounter in owning and managing a business.

Baking & Pastry 1

Course #: 12112033 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: Culinary Arts 1

Over the course of multiple recipes, students will use the correct equipment & methods to make desserts and baked goods. A variety of recipes and methods will be explored and a basic understanding of how ingredients act will be studied.

Baking & Pastry 2

Course #: 12112035 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: Baking & Pastry 1

Students will build additional skills in the baking and pastry arts by practicing more refined and complicated recipes. A deeper study of ingredients and the scientific reactions during production will be explored. Production methods appropriate for a commercial or restaurant kitchen will be studied.

Career Connections

Course #: 12117059 Credit Type: Career & Technical
Credit: 0.5

Students enrolled in this course are expected to have mastered skills in the culinary field and be able to apply them in authentic experiences following industry standards and regulations. Students will work within a school, community, or workplace and experience all aspects of the industry in this course.

Community Connections

Course #: 12117049 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: At least 1 credit in the pathway

The goal of this course is to focus on career preparation experience by deepening student knowledge and skill development for success in employment and postsecondary education. This course is recommended for students planning to enter the workforce directly after high school or enrolling in a postsecondary training program related to the career pathway. This course is structured to give students extensive practice in applying technical and practical skills in their chosen career.

Culinary Arts 1

Course #: 12102037 Credit Type: Career & Technical
Credit: 1.0

Students will practice using the correct equipment and accurate methods to produce a variety of foods. Study of meal management, prevention of food borne illnesses, and business skills required for careers in the restaurant industry are additional topics.

Culinary Arts 2

Course #: 12102033 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: Culinary Arts 1

Students will build additional culinary skills using a variety of equipment, methods, and recipes. Customer service, event management, and special dietary needs will also be studied.

Culinary Essentials

Course #: 12102035 Credit Type: Career & Technical
Credit: 0.5

Culinary Essentials gives students a through overview of the food-service portion of the Hospitality and Tourism career cluster. Topics include food safety and sanitation; the selection, use, and maintenance of equipment; standard recipe use; and skills in food production, management, and service. Career readiness and training opportunities will be explored.

Entrepreneurship

Course #: 11105011 Credit Type: Career & Technical
Credit: 0.5

Entrepreneurship students develop knowledge and skills necessary to own and operate a business. Topics include: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.

Event Planning & Management

Course #: 11102011 Credit Type: Career & Technical
Credit: 0.5

This course provides students with the knowledge and skills related to the event planning and implementation process. It will include establishing client relationships, the importance of communication, planning process, resource management, quality service and staffing issues.

Principles of Marketing

Course #: 11109011 Credit Type: Career & Technical
Credit: 1.0

Principles of Marketing offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Students will learn about different kinds of markets; how to identify a market; product planning, packaging, and pricing; and business management.

Culinary Workplace Experience

Course #: TBD Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in the pathway

The goal of this course is to focus on career preparation experience by deepening student knowledge and skill development for success in employment and postsecondary education. This course is recommended for students planning to enter the workforce directly after high school or enrolling in a postsecondary training program related to the career pathway. This course is structured to give students extensive practice in applying technical and practical skills in their chosen career.

Teaching & Training

Available at J. C. Harmon, Sumner Academy, Washington, and Wyandotte

The Teaching and Training pathway focuses on the development of teachers and trainers in today's ever-changing society. Coursework covers the basics of teaching elementary and middle level students as well as specific disciplines like community education and workforce development. Content includes general theory and practices as well as planning educational activities across multiple subject areas.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Career and Life Planning	Offered in 8th grade	Half Year
Technical (Level 2)	Educational Leadership and Training A		0.5
	Family Studies		0.5
	Human Growth and Development – Early Years		0.5
	Human Growth and Development – Lifespan		0.5
	Teaching as a Career		1.0
Application (Level 3)	Educational Leadership and Training B		0.5
	Teaching Internship	Arranged by WBL Coordinator. Students must successfully complete two credits in this pathway.	1.0

Educational Leadership and Training A

Course #: Credit Type: Career & Technical
Credit: 0.5

This course examines specific topics in education, such as management of school-age children, rather than providing a general study of the teaching profession.

Educational Leadership and Training B

Course #: Credit Type: Career & Technical
Credit: 0.5

This course provides students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). This course may include classroom activities involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Family Studies

Course #: 12104021 Credit Type: Career & Technical
Credit: 0.5

Family Studies emphasizes building and maintaining healthy interpersonal relationships among family members and other members of society. Topics may include: various stages of life, family units and organization, human sexuality and reproduction, social/dating practices, and parenthood. Individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner may be included.

Human Growth & Development – Early Years

Course #: 12105012 Credit Type: Career & Technical
Credit: 0.5

Coursework explores physical, mental, emotional, and social growth across the life stages. Students will explore physical, mental, emotional, and social growth across the life stages. A special emphasis is given to the stages from birth to school-age development, including prenatal and birth processes.

Human Growth & Development – Lifespan Development

Course #: 12105012 Credit Type: Career & Technical
Credit: 0.5

Coursework explores physical, mental, emotional, and social growth across the life stages. This course focuses on the time from late childhood to old age.

Teaching as a Career

Course #: 13118031 Credit Type: Career & Technical
Credit: 1.0

Students will explore the concepts of teaching and learning in a modern classroom. Topics covered include the responsibilities and duties of teachers as well as techniques for teaching such as classroom management, assessment, and teaching strategies. Textbook readings,

observations, and reflections play an important role in this course. Career opportunities and types of post-secondary education needed for careers will be explored.

Teaching Internship

Course #: 13128031 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in pathway

Under the guidance of the course teacher and additional staff students will develop objectives, design lesson plans, and experience teaching short lessons within a classroom. Previous study of teaching skills will be applied. Students are expected to be familiar with teaching strategies for various learning styles, planning & management; questioning & evaluation techniques; and basic classroom management. Teaching experience may include individual, small group, or whole class experiences.

Corrections, Security, Law, and Law Enforcement

Available at F. L. Schlagle and Wyandotte

Students interested in pursuing a career in law, public safety, security, emergency services, police science, or fire science occupations gain vital knowledge and skills through the Corrections, Security, Law, and Law Enforcement pathway coursework. Classes focus on building skills through classroom, laboratory experiences, and field instruction. Students gain access to professional certifications required for some of these exciting service careers.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Introduction to Law, Public Safety, Corrections and Security		0.5
Technical (Level 2)	Accounting 1		1.0
	Business Communications*		0.5
	Business Economics**		0.5
	Business Law		0.5
	Business Management		0.5
	Forensic Science 1		1.0
	Law Enforcement 1		1.0
	Practical Law		0.
Application (Level 3)	Foundations in Law		1.0
	Legal Proceedings		1.0
	Law Enforcement 2	Students must successfully complete Law Enforcement 1 first.	1.0
	Forensic Science 2	Students must successfully complete Forensic Science 1 first.	1.0
	Workplace Experience in LPSCS	Arranged by the WBL Coordinator. Students must successfully complete two credits in this pathway.	0.5

** required course*

*** Business Economics is a course in the Social Studies Department*

- *Aligned to KCKPS Special Programs: Corrections Office Program, 9-1-1 Dispatch*

Accounting 1

Course #: 11101011 Credit Type: Career & Technical
Credit: 1.0

Students will study and practice accounting principles and procedures used in businesses. Topics include the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students will prepare budgets, final reports, and use auditing principles.

Business Communications

Course #: 11103021 Credit Type: Career & Technical
Credit: 0.5

Business Communications stresses all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and using technology for communication in business situations and environments. Business Communications will use problem-based projects and real-world applications to prepare students for the future.

Business Law

Course #: 11108015 Credit Type: Career & Technical
Credit: 1.0

Business Law emphasizes legal concepts that are relevant to business and business organizations. Topics examined in this course include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

Business Management

Course #: 11117021 Credit Type: Career & Technical
Credit: 0.5

Business Management provides students with management experiences. Student gain the skills to perform the planning, staffing, financing, and controlling functions within a business. They also learn about business structure, finance, and the interconnections among industry,

government, and the global economy. Problem-based, real-world applications of business concepts are emphasized. Accounting concepts are used to formulate, analyze, and evaluate business decisions.

Forensics Science 1

Course #: 03118029 Credit Type: Career & Technical
Credit: 0.5

Building on biology and chemistry knowledge, Forensic Science provides students with knowledge and skills needed to pursue post-secondary training in legal public services and security careers requiring Forensic Science such as Forensic Anthropology, Forensic Medicine, or Medical Examiner. Career readiness and post-secondary training planning are part of class.

Forensics Science 2

Course #: Credit Type: Career & Technical
Credit: 1.0

This course is a continuation of Forensic Science 1 and provides advanced forensic science students with instruction in forensic science laboratory techniques and exposure to arson and fire investigation as well as explosions. Students will also study human body systems and forensic implications, differentiating physical trauma and various aspects of autopsy as well as criminal profiling, accident reconstruction and cybercrime.

Foundations in Law

Course #: 04114015 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 1 credit in the pathway

Foundations in Law students study how laws are created, enforced, interpreted, and changed. The course enables students to examine diverse areas of law, including criminal, civil, constitutional, and international. Civil rights issues and the role of advocacy, civics, and the media in our legal system are explored.

Introduction to Law & Public Safety

Course #: 04095011 Credit Type: Career & Technical
Credit: 0.5

Introduction to Law and Public Safety topics include the legal system, professional conduct, safety, and types of crime as well as occupations available in the Law, Public Safety, and Security fields.

Law Enforcement 1

Course #: 04114039 Credit Type: Career & Technical
Credit: 1.0

The first of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway Patrol Academy.

Law Enforcement 2

Course #: 04124011 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: Law Enforcement 1

The second of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway Patrol Academy.

Legal Proceedings

Course #: 04124012 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: At least 2 credits in the pathway

This course is designed to explain the legal process of a courtroom including mediation, arbitration, and litigation in both civil and criminal proceedings. Students will understand the rules of law and restorative justice. Students will also apply communication and active listening skills, as well as learn case file management and the professionalism required in the legal field.

Practical Law

Course #: 04104019 Credit Type: Career & Technical
Credit: 0.5

Practical Law introduces students to the framework of the legal system. Students will learn about immigration, criminal, tort, family, constitutional, and juvenile law.

Workplace Experience in LPSCS

Course #: 04124015 Credit Type: Career & Technical
Credit: 0.5

This is an advanced research course designed to provide LPSCS students with opportunities to apply skills learned in the pathway to real-life situations in various LPSCS careers.

Government & Public Administration

Available at J. C. Harmon and Sumner Academy

The Government and Public Administration pathway includes training for potential elected or appointed government officials and those responsible for making public policy. This pathway prepares students for public service. Leadership, consensus building, and conflict resolutions are important skills developed in this area.

Courses in this Pathway:

Level	CTE Course Name	Notes	Credit
Introductory (Level 1)	Career and Life Planning	Offered in 8th grade	Half Year
	Introduction to Government and Public Administration		0.5
	American Government*		0.5
	US History*		1.0
Technical (Level 2)	Accounting 1		1.0
	Business Economics*		0.5
	Business Management		0.5
	Business Law		0.5
	Government and Public Administration Fundamentals		0.5
	Government and Public Media Relations		0.5
	Human Growth and Development – Lifespan		0.5
	Practical Law		0.5
Application (Level 3)	Career Connections		0.5
	Foundations in Law		1.0
	Governance Applications		1.0
	Legal Proceedings		1.0

** Business Economics, American Government, and US History are courses in the Social Studies Department*

Accounting 1

Course #: 11101011 Credit Type: Career & Technical
Credit: 1.0

Students will study and practice accounting principles and procedures used in businesses. Topics include the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students will prepare budgets, final reports, and use auditing principles.

Business Economics

Course #: 04117021 Credit Type: Social Studies
Credit: 0.5

Business Economics integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk). With a primary emphasis on the principles of microeconomics and the U.S. economic system. Students will also cover topics such as principles of macroeconomics, international economics, and comparative economics.

Business Law

Course #: 11108015 Credit Type: Career & Technical
Credit: 1.0

Business Law emphasizes legal concepts that are relevant to business and business organizations. Topics examined in this course include contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal organizational structures, and consumer liabilities.

Business Management

Course #: 11117021 Credit Type: Career & Technical
Credit: 0.5

Business Management provides students with management experiences. Student gain the skills to perform the planning, staffing, financing, and controlling functions within a business. They also learn about business structure, finance, and the interconnections among industry, government, and the global economy. Problem-based, real-world applications of business concepts are emphasized. Accounting concepts are used to formulate, analyze, and evaluate business decisions.

Career Connections

Course #: 12117059 Credit Type: Career & Technical
Credit: 0.5

Students enrolled in this course are expected to have mastered skills in the culinary field and be able to apply them in authentic experiences following industry standards and regulations. Students will work within a school, community, or workplace and experience all aspects of the industry in this course.

Foundations in Law

Course #: 04114015 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 1 credit in the pathway

Foundations in Law students study how laws are created, enforced, interpreted, and changed. The course enables students to examine diverse areas of law, including criminal, civil, constitutional, and international. Civil rights issues and the role of advocacy, civics, and the media in our legal system are explored.

Governance Applications

Course #: 04118049 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in the pathway

The goal of the capstone is to focus on career preparation experience by deepening student knowledge and skill development for success in employment and postsecondary education. This course is recommended for students planning to enter the workforce directly after high school or enrolling in a postsecondary training program related to the career pathway. This course is structured to give students extensive practice in applying technical and practical skills in their chosen career.

Government & Public Administration Fundamentals

Course #: 04108021 Credit Type: Career & Technical
Credit: 0.5
Pre-Req: Introduction to Government & Public Administration

This course will look at meeting the needs of the U.S. culture through positions within Government and Public Administration. Topics will include the role of government in providing services for the U.S. population, the impact of the U.S. on other nations as well as the impact of other nations on the U.S., and the professional traits required of those in this field. In addition, it will look at the problem solving and critical thinking processes, and leadership and teamwork practices. (Revised 2020)

Government and Public Media Relations

Course #: Credit Type: Career & Technical
Credit: 0.5

This course will build skills needed to communicate messages to the public as it relates to topics of concern involving government and public administration. Topics will include conflict awareness, reliability, creditability & accuracy of sources, creating publicity materials, public relations campaigns and working with the media.

Human Growth & Development – Lifespan Development

Course #: 12105012 Credit Type: Career & Technical
Credit: 0.5
Concurrent Enrollment: Human Growth & Development – Early Years

The second half of the Human Growth & Development coursework explores physical, mental, emotional, and social growth across the life stages. This course focuses on the time from late childhood to old age. This course is to be taken with 12105012 Human Growth and Development – Early Years.

Introduction to Government & Public Administration

Course #: 04098011 Credit Type: Career & Technical
Credit: 0.5

This course will introduce students to the knowledge and skills of serving the general public in a variety of occupations. Topics will include identifying personal strengths and weaknesses and setting career goals, leadership, teamwork and problem solving, analyzing leadership roles and identifying leadership opportunities within the school.

Legal Proceedings

Course #: 04124012 Credit Type: Career & Technical
Credit: 1.0
Pre-Req: At least 2 credits in the pathway

This course is designed to explain the legal process of a courtroom including mediation, arbitration, and litigation in both civil and criminal proceedings. Students will understand the rules of law and restorative justice. Students will also apply communication and active listening skills, as well as learn case file management and the professionalism required in the legal field.

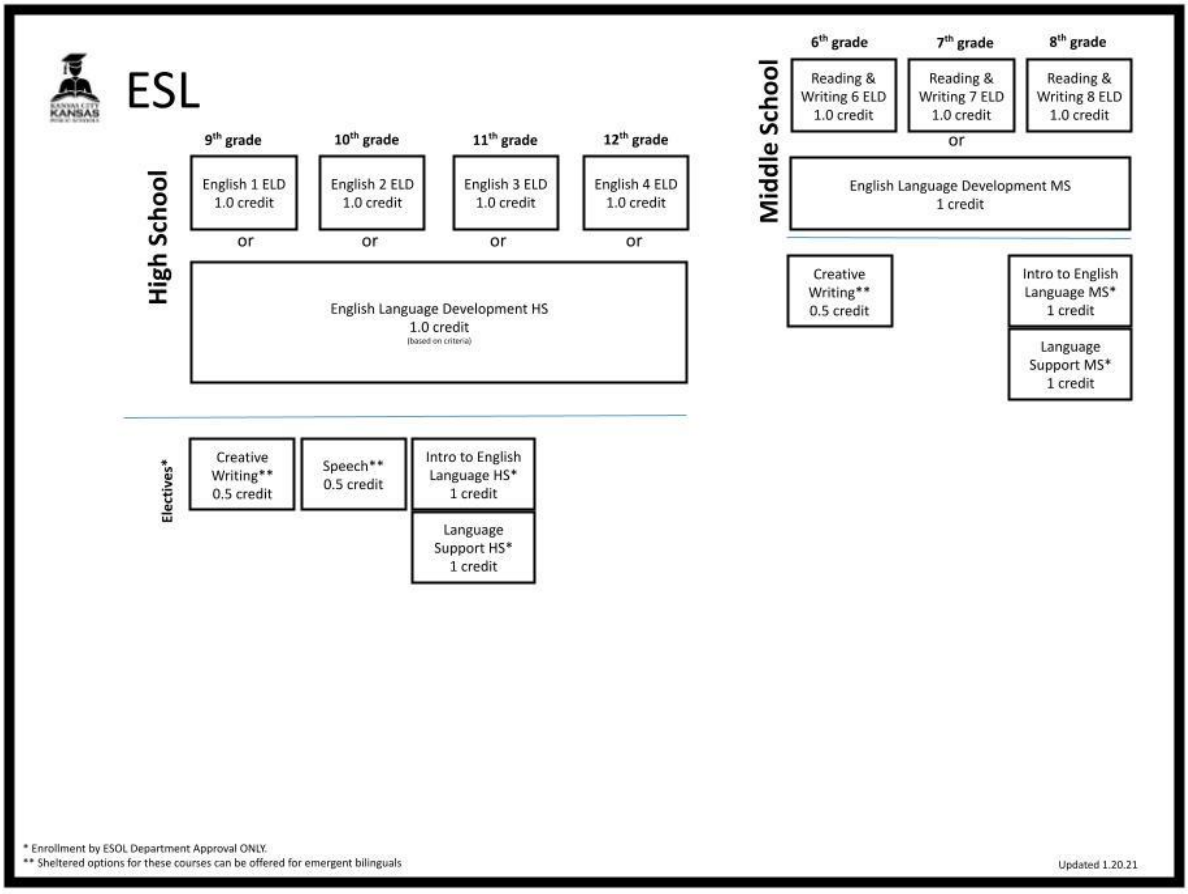
Practical Law

Course #: 04104019 Credit Type: Career & Technical
Credit: 0.5

Practical Law introduces students to the framework of the legal system. Students will learn about immigration, criminal, tort, family, constitutional, and juvenile law.

ESOL – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
English Language Development HS	ELECTIVE	1.0	No	No	9-12	Max enrollment 15
English 1 ELD	English	1.0	No	No	9	Max enrollment 20
English 2 ELD	English	1.0	No	No	10	Max enrollment 20
English 3 ELD	English	1.0	No	No	11	Max enrollment 20
English 4 ELD	English	1.0	No	No	12	Max enrollment 20
Intro to English Language HS	ELECTIVE	1.0	No	Yes	9-12	Washing HS ONLY. Enrollment by ESOL Department approval only. Must be co-enrolled in Language Support HS.
Language Support HS	ELECTIVE	1.0	No	Yes	9-12	Washing HS ONLY. Enrollment by ESOL Department approval only. Must be co-enrolled in Intro to English Language HS.
Speech	ELECTIVE	0.5	No	No	9-12	See course description in English
Creative Writing	ELECTIVE	0.5	No	No	9-12	See course description in English



English Language Development HS

Course #: 15091050
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 9-12

This course is designed for students with limited to adequate formal education in L1, but beginning or early English language proficiency, to begin developing proficiency in reading, writing, listening, and speaking in English.

English 1 ELD

Course #: 15091020
Credit: 1.0
Credit Type: English
Grade Level: 9

English 1 ELD is a standards-based course focusing on thematic units of study appropriate to grade level 9 and designed for multilinguals still developing their English language proficiency. The curriculum comprises a variety of literary and information text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluate the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies. This course must be taught by an ESOL endorsed teacher in order to provide appropriate scaffolds for the language development while meeting grade-level standards.

English 2 ELD

Course #: 15101020
Credit: 1.0
Credit Type: English
Grade Level: 10

English 2 ELD is a standards-based course focusing on thematic units of study appropriate to grade level 10 and designed for multilinguals still developing their English language proficiency. The curriculum comprises a variety of literary and information text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluate the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies. This course must be taught by an ESOL endorsed teacher in order to provide appropriate scaffolds for the language development while meeting grade-level standards.

English 3 ELD

Course #: 15111020
Credit: 1.0
Credit Type: English
Grade Level: 11

English 3 ELD is a standards-based course focusing on thematic units of study appropriate to grade level 11 and designed for multilinguals still developing their English language proficiency. The curriculum comprises a variety of literary and information text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluate the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies. This course must be taught by an ESOL endorsed teacher in order to provide appropriate scaffolds for the language development while meeting grade-level standards.

English 4 ELD

Course #: 15121020
Credit: 1.0
Credit Type: English
Grade Level: 12

English 4 ELD is a standards-based course focusing on thematic units of study appropriate to grade level 12 and designed for multilinguals still developing their English language proficiency. The curriculum comprises a variety of literary and information text, writing for various purposes, speaking and listening, and language skills (e.g., grammar, vocabulary). Students analyze texts for key ideas and details, evaluate the author's craft and textual structures in order to integrate ideas and details into well-written texts of their own. Students take part in collaborative discussions to develop textual, visual, digital, and media literacies. This course must be taught by an ESOL endorsed teacher in order to provide appropriate scaffolds for the language development while meeting grade-level standards.

Intro to English Language HS

Course #: 15090102
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 9-12

(Washington HS ONLY) – This course is designed for students with limited or no formal education in L1 and beginning development in English language proficiency to develop basic literacy skills in reading, writing, listening and speaking English. Students enrolled in Intro to English Language HS must concurrently be enrolled in Language Support HS. Enrollment in the course is by ESOL Department approval ONLY.

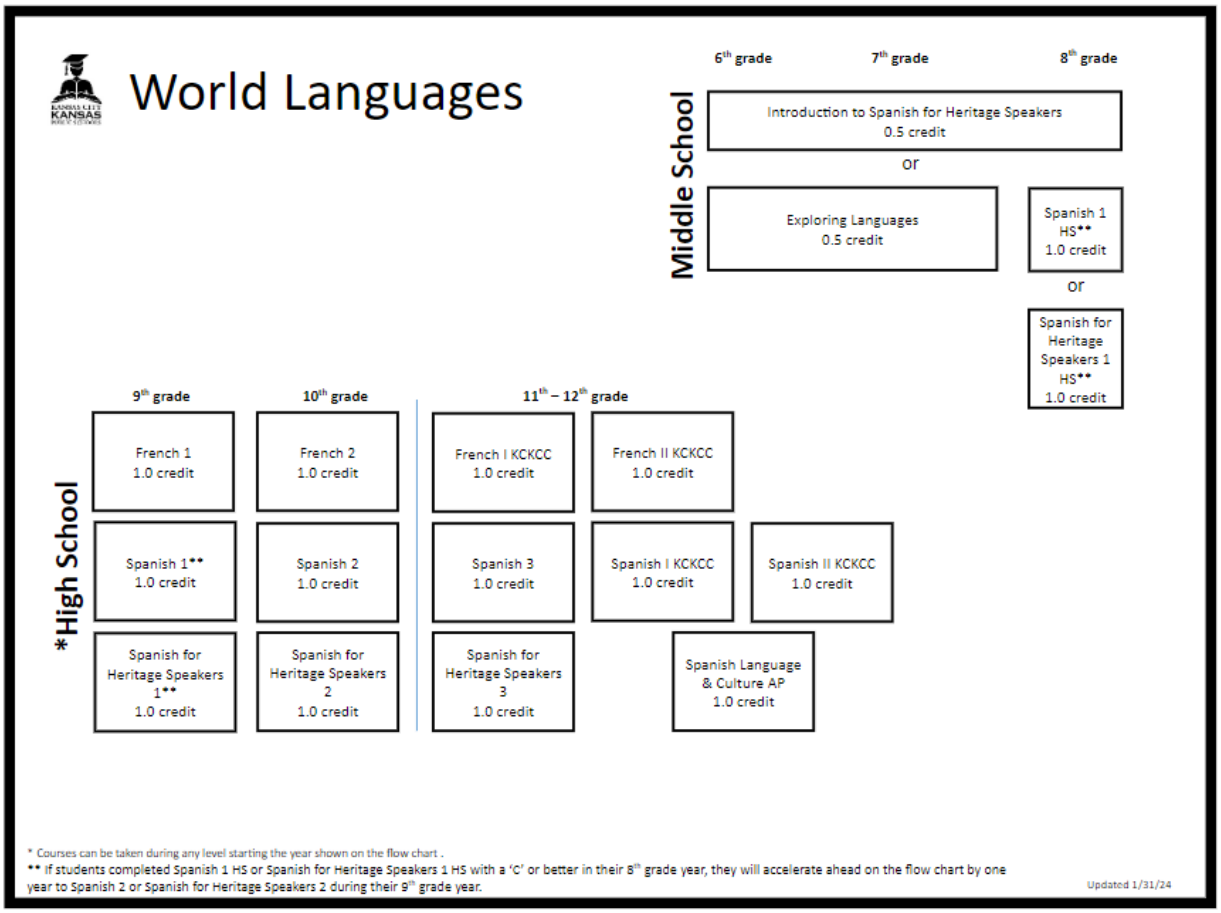
Language Support HS

Course #: 15091030
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 9-12

(Washington HS ONLY) – This course is designed for extended practice in reading, writing, listening and speaking English for students with limited or no formal education in L1 and beginning English language proficiency. Students enrolled in Language Support HS must concurrently be enrolled in Intro to English Language HS. Enrollment in the course is by ESOL Department approval ONLY.

World Languages – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
French 1	World Lang	1.0	No	No	9-12	
French I KCKCC	World Lang	1.0	Yes	Yes	11-12	
French 2	World Lang	1.0	No	Yes	10-12	
French II KCKCC	World Lang	1.0	Yes	Yes	11-12	
French 3	World Lang	1.0	No	Yes	11-12	
French 4 IBH	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
French 4 IBS	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
French 5 IBH	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
French 5 IBS	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish 1	World Lang	1.0	No	Yes	9-12	
Spanish Language & Culture AP	World Lang	1.0	No	No	9-12	
Spanish for Heritage Speakers 1	World Lang	1.0	No	Yes	9-12	
Spanish I KCKCC	World Lang	1.0	Yes	Yes	11-12	
Spanish 2	World Lang	1.0	No	Yes	10-12	
Spanish Heritage Speakers 2	World Lang	1.0	No	Yes	10-12	
Spanish II KCKCC	World Lang	1.0	Yes	Yes	11-12	
Spanish 3	World Lang	1.0	No	Yes	11-12	
Spanish Heritage Speakers 3	World Lang	1.0	No	Yes	11-12	
Spanish 4 IBH	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish 4 IBS	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish Literature 4 IBH	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish Literature 4 IBS	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish 5 IBH	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish 5 IBS	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish Literature 5 IBH	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY
Spanish Literature 5 IBS	World Lang	1.0	No	Yes	11-12	Sumner Academy ONLY



French 1

Course #: 05092020
Credit: 1.0
Credit Type: World Languages
Grade Level: 9-12

This course is designed for students with little or not experience learning French. Students study basic language structures and vocabulary in context. Students will be able to use individual words and short phrases to speak and write in French and answer basic comprehension questions about information they read and hear. Students will also learn about Francophone culture including practices, products, and perspectives associated with the topics of the course.

French I KCKCC

Course #: 05122010
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 2.5+ and a 'C' in most recent English
Credit Type: World Languages
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC LANG-0101 - French I, 5 credit hours KCKCC Description: Students acquire basic skills at a reasonable level of proficiency. The course is integrated with cultural aspects which form the basis of objectives for all language study. Primary emphasis is on the four essential skills: listening, speaking, reading, and writing within which the components of grammar and culture are included. Pre-requisites: Accuplacer Score of 240 on Reading test. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

French 2

Course #: 05102020
Credit: 1.0
Pre-Req: French 1
Credit Type: World Languages
Grade Level: 10-12

This course is a continuation of French 1. Students will learn to speak and write using a variety of vocabulary, connecting words, and use simple paragraphs. Students will read for main ideas and details, study grammar and vocabulary in context, and continue to learn about Francophone culture including practices, products and perspectives associated with the topics of the course.

French II KCKCC

Course #: 05122011
High School Credit: 1.0
Pre-Req: French 1 KCKCC

Credit Type: World Languages
Grade Level: 11-12
College Credit Earned:

This is the high school course for KCKCC LANG-0102 - French II, 5 credit hours KCKCC Description: Students acquire basic skills at a reasonable level of proficiency. The course is integrated with cultural aspects which form the basis of objectives for all language study. Primary emphasis is on the four essential skills: listening, speaking, reading, and writing. Pre-requisites: French I, LANG-0101 (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

French 3

Course #: 05112020
Credit: 1.0
Pre-Req: French 2

Credit Type: World Languages
Grade Level: 11-12

This course is a continuation of French 2. Students will be gradually exposed to complex concepts, engage in spontaneous verbal and written communication, and analyze authentic French text and audio passages. Students continue to learn language structures and vocabulary in context and continue to learn about Francophone culture.

French 4 IBH

Course #: 05142014
Credit: 1.0
Pre-Req: French 3

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B French courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving students accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

French 4 IBS

Course #: 05142012
Credit: 1.0
Pre-Req: French 3

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B French courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

French 5 IBH

Course #: 05142032
Credit: 1.0
Pre-Req: French 4

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B French courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

French 5 IBS

Course #: 05142022
Credit: 1.0
Pre-Req: French 4

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B French courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Spanish 1

Course #: 05091011
Credit: 1.0

Credit Type: World Languages
Grade Level: 9-12

This course is designed for students with little or no experience learning Spanish. Students study basic language structures and vocabulary in context. Students will be able to use individual words and short phrases to speak and write in Spanish and answer basic comprehension questions about information they read and hear. Students will also learn about Hispanic/Latinx culture including practices, products, and perspectives associated with the topics of the course.

Spanish Language & Culture AP

Course #: 05091050
Credit: 0.5
Credit Type: World Languages
Grade Level: 9-12

The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Spanish Heritage Speakers 1

Course #: 05091024
Credit: 1.0
Pre-Req: KCKPS screening process
Credit Type: World Languages
Grade Level: 9-12

This course is designed for heritage/native speakers of Spanish at a Novice-High proficiency level. Students will develop, maintain, and enhance proficiency through listening, speaking, reading, and writing. Students will explore the cultures of Hispanic/Latinx communities, including their own, in order to recognize the value of their language and experiences.

Spanish I KCKCC

Course #: 05121010
High School Credit: 1.0
Pre-Req: appropriate Accuplacer score **or** high school GPA 2.5+ and a 'C' in most recent English
Credit Type: World Languages
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC LANG-0141 - Spanish I, 5 credit hours KCKCC Description: Spanish I is the first semester of Spanish for students with little or no previous instruction in Spanish. This course enables students to attain a basic competency in all language skills: speaking, listening, reading, writing, and culture. Pre-requisites: Accuplacer Score of 240 on Reading test (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Spanish 2

Course #: 05101020
Credit: 1.0
Pre-Req: Spanish 1 or Spanish Heritage Speakers 1
Credit Type: World Languages
Grade Level: 10-12

This course is a continuation of Spanish 1. Students will learn to speak and write using a variety of vocabulary, connecting words, and use simple paragraphs. Students will read for main ideas and details, study grammar and vocabulary in context, and continue to learn about Hispanic/Latinx culture including practices, products, and perspectives associated with the topics of the course.

Spanish Heritage Speakers 2

Course #: 05101034
Credit: 1.0
Pre-Req: Spanish 1 or Spanish Heritage Speakers 1
Credit Type: World Languages
Grade Level: 10-12

This course is designed for heritage/native speakers of Spanish at an Intermediate-Mid proficiency level and is a continuation of Spanish Heritage Speakers 1. Students will continue to study language structures, variation, and registers used in Hispanic/Latinx communities to deepen their understanding of their own identity, history, and culture.

Spanish II KCKCC

Course #: 05121011
High School Credit: 1.0
Pre-Req: Spanish I KCKCC
Credit Type: World Languages
Grade Level: 11-12
College Credit Earned: 5 hours

This is the high school course for KCKCC LANG-0142 - Spanish II, 5 credit hours KCKCC Description: The Spanish II curriculum emphasizes the combination of conversation, reading, writing, grammar and culture. Pre-requisites: Spanish 1, Lang 0141 (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Spanish 3

Course #: 05111002
Credit: 1.0
Pre-Req: Spanish 2 or Spanish Heritage Speakers 2

Credit Type: World Languages
Grade Level: 11-12

This course is a continuation of Spanish 2. Students will be gradually exposed to complex concepts, engage in spontaneous verbal and written communication, and analyze authentic Spanish text and audio passages. Students continue to learn language structures and vocabulary in context and continue to learn about Hispanic/Latinx culture.

Spanish Heritage Speakers 3

Course #: 05111032
Credit: 1.0
Pre-Req: Spanish 2 or Spanish Heritage Speakers 2

Credit Type: World Languages
Grade Level: 11-12

This course is designed for heritage/native speakers of Spanish at an Advanced proficiency level and is a continuation of Spanish Heritage Speakers 2. Students will continue to study language structures, variation, and registers used in Hispanic/Latinx communities to deepen their understanding of their own identity, history, and culture.

Spanish 4 IBH

Course #: 05141052
Credit: 1.0
Pre-Req: Spanish 3 or Spanish Heritage Speakers 3

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Spanish 4 IBS

Course #: 05141012
Credit: 1.0
Pre-Req: Spanish 3 or Spanish Heritage Speakers 3

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Spanish Literature 4 IBH

Course #: 05141054
Credit: 1.0
Pre-Req: Spanish 3

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language A (non-English) Spanish courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students accuracy and fluency in the language, which is usually the students native tongue.

Spanish Literature 4 IBS

Course #: 05141014
Credit: 1.0
Pre-Req: Spanish 3

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language A (non-English) Spanish courses prepare students to take the International Baccalaureate Language A exams at either the Subsidiary or Higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses of this literature, and other oral and written assignments. Course content is designed to improve students accuracy and fluency in the language, which is usually the students native tongue.

Spanish 5 IBH

Course #: 05141032
Credit: 1.0
Pre-Req: Spanish 4

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually

in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Spanish 5 IBS

Course #: 05141022
Credit: 1.0
Pre-Req: Spanish 4

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Spanish Literature 5 IBH

Course #: 05141034
Credit: 1.0
Pre-Req: Spanish 4

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

Spanish Literature 5 IBS

Course #: 05141024
Credit: 1.0
Pre-Req: Spanish 4

Credit Type: World Languages
Grade Level: 11-12

(Sumner Academy ONLY) IB Language B Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Subsidiary or Higher level. These courses focus on improving student's accuracy and fluency in oral and written communication (usually in the students second language). Students preparing to take the Subsidiary level exam will be able to understand native speakers; students preparing for the Higher level exam will be able to communicate fluently at native speed.

ROTC – High School

ROTC Program available at Washington HS ONLY

The Air Force Junior Reserve Officer Training Corps (AFJROTC) program at Washington High School teaches leadership and management skills through the KS-931st AFJROTC Wing. Our mission is simply developing citizens of character dedicated to serving the nation and community. Enrollment in the corps in no way obligates the cadet for military service. Instructors have extensive professional military education and training as well as many years experience teaching and training others.

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Milestones of Aviation History AS1	ELECTIVE	1.0	No	No	9-12	Washington HS ONLY
Science of Flight AS2	ELECTIVE	1.0	No	Yes	10-12	Washington HS ONLY
Exploration of Space AS3	ELECTIVE	1.0	No	Yes	11-12	Washington HS ONLY
Global & Cultural Studies AS4	ELECTIVE	1.0	No	Yes	12	Washington HS ONLY
Military Drill & Ceremony 1	ELECTIVE	1.0	No	No	10-12	Washington HS ONLY
Military Drill & Ceremony 2	ELECTIVE	1.0	No	Yes	11-12	Washington HS ONLY
Military Drill & Ceremony 3	ELECTIVE	1.0	No	Yes	12	Washington HS ONLY
Leadership of the Cadet Corps	ELECTIVE	1.0	No	Yes	12	Washington HS ONLY

Milestones Aviation History AS1

Course #: 04093004
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 9-12

(Washington HS ONLY) Journey into Aviation History: Aerospace Science 1 is recommended for all new ROTC cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time.

Science of Flight AS2

Course #: 04103004
Credit: 1.0
Pre-Req: Milestones Aviation Hist AS1
Credit Type: ELECTIVE
Grade Level: 10-12

(Washington HS ONLY) The Science of Flight is taken the second year of the ROTC program and is designed to acquaint the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course begins with a discussion of the atmosphere and weather. Students will develop an understanding of the environment and will be introduced to how that environment affects flight. Discussions include the forces of lift, drag, thrust and weight. Students will also learn basic navigation, including map reading, course plotting and the effects of wind. Human physiology is also discussed regarding the effects of acceleration and deceleration and protective equipment.

Exploration of Space AS3

Course #: 04113004
Credit: 1.0
Pre-Req: Science of Flight AS2
Credit Type: ELECTIVE
Grade Level: 11-12

(Washington HS ONLY) The Exploration of Space is taken the third year of ROTC. The course examines Earth, the moon and the planets as well as the latest advances in space technology and the continuing challenges of space and manned spaceflight. Issues that are critical to travel in the upper atmosphere, such as orbits and trajectories, unmanned satellites, space probes, guidance and control systems are explained. The manned spaceflight section covers major milestones in the endeavor to land on the moon and to safely orbit humans and crafts in space for temporary and prolonged periods. The development of space stations, the Space Shuttle and its future, and international laws for the use of and travel in space.

Global & Cultural Studies AS4

Course #: 04123004
Credit: 1.0
Pre-Req: Exploration of Space AS3
Credit Type: ELECTIVE
Grade Level: 12

(Washington HS ONLY) Global and Cultural Studies is a preferred AS component for second-year students and is a multidisciplinary course that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, the migration of peoples and other cultural issues will be examined. The regional areas included in this course are Europe, the Middle East, South Asia, East Asia, Africa, and Latin America. The lessons include excellent videos to provide a window into life and issues within the regions, followed by a variety of hands-on activities created to engage the student. Readings are also available to set the stage for each lesson, along with workbook exercises suitable for in-class or homework assignments.

Military Drill & Ceremony 1

Course #: 04103006
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 10-12

Military Drill & Ceremony 1 provides fundamental and in-depth instruction in Air Force drill and ceremonies. The course concentrates on the elements of military drill and describes individual and group precision movements, procedures for saluting, drill, ceremonies, reviews, parades and development of command voice. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn Air Force drill concepts and procedures. Students will concentrate on perfecting unarmed drill and ceremony sequences. The course will introduce the student to armed and exhibition drill sequences which are performed using inert ceremonial replica rifles.

Military Drill & Ceremony 2

Course #: 04113006
Credit: 1.0
Pre-Req: Military Drill & Ceremony 1
Credit Type: ELECTIVE
Grade Level: 11-12

Military Drill & Ceremony 2 provides a more in-depth instruction in Air Force drill and ceremonies. The students will concentrate on elements of military drill and describes individual and group precision movements, procedures for saluting, drill ceremonies, reviews, parades and development of command voice, with an emphasis on leadership. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn Air Force drill concepts and procedures. The course will give the student a more focused and detailed training in armed exhibition drill sequences which are performed using inert ceremonial replica rifles. Students will concentrate on leading drill and ceremony sequences.

Military Drill & Ceremony 3

Course #: 04123006
Credit: 1.0
Pre-Req: Military Drill & Ceremony 2
Credit Type: ELECTIVE
Grade Level: 12

Military Drill & Ceremony 3 provides a more in-depth instruction in Air Force drill and ceremonies. The students will concentrate on elements of military drill and describes individual and group precision movements, procedures for saluting, drill ceremonies, reviews, parades and development of command voice, with an emphasis on leadership. Students are provided detailed instruction on ceremonial performances and protocol for civilian and military events and have the opportunity to personally learn Air Force drill concepts and procedures. The course will give the student a more focused and detailed training in armed exhibition drill sequences which are performed using inert ceremonial replica rifles. Students will concentrate on leading drill and ceremony sequences.

Leadership of the Cadet Corps

Course #: 04123008
Credit: 1.0
Pre-Req: Ceremony Sequence
Credit Type: ELECTIVE
Grade Level: 12

(Washington HS ONLY) In Management of the Cadet Corps, the cadets should manage the entire corps during their fourth year in the Air Force Junior ROTC program. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organizational skills. Instructors should keep in mind that since there is no textbook for this course, the course syllabus will be structured so that cadets achieve course objectives by completing core management activities.

Additional Electives – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
ACT Preparation	ELECTIVE	0.5	No	No	9-12	
AVID 09	ELECTIVE	1.0	No	No	9	
AVID 10	ELECTIVE	1.0	No	No	10	
AVID 11	ELECTIVE	1.0	No	No	11	
AVID 12	ELECTIVE	1.0	No	No	12	
KS Jobs for America's Grad	ELECTIVE	1.0	No	No	9-12	
Tech Impact 1	ELECTIVE	1.0	No	No	11-12	Available as part of the Tech Impact program – see description in Special Programs
Tech Impact 2	ELECTIVE	1.0	No	No	11-12	Available as part of the Tech Impact program – see description in Special Programs
Tech Impact 3	ELECTIVE	1.0	No	No	11-12	Available as part of the Tech Impact program – see description in Special Programs
Tech Impact 4	ELECTIVE	1.0	No	No	11-12	Available as part of the Tech Impact program – see description in Special Programs
Biology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Biology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Biology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Biology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Chemistry 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Chemistry 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Chemistry 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Chemistry 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Environmental Systems & Society 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Environmental Systems & Society 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Physics 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Sports Exercise & Health Science 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Sports Exercise & Health Science 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Introduction Criminal Justice KCKCC	ELECTIVE	1.0	Yes	No	11-12	See description in Social Studies
World Geography	ELECTIVE	0.5	No	No	9-12	See description in Social Studies
Human Rights Studies	ELECTIVE	0.5	No	No	9-12	See description in Social Studies
Psychology	ELECTIVE	0.5	No	No	10-12	See description in Social Studies
Sociology	ELECTIVE	0.5	No	No	10-12	See description in Social Studies
Psychology KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	See description in Social Studies
Sociology KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	See description in Social Studies
Exploration of Space AS3	ELECTIVE	1.0	No	No	11-12	Available as part of the ROTC program – see description in ROTC
Global & Cultural Studies AS4	ELECTIVE	1.0	No	No	12	See description in Social Studies
Global Politics 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies

Global Politics 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Information Technology in Global Society 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Information Technology in Global Society 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Leadership of the Cadet Corps	ELECTIVE	1.0	No	No	12	Available as part of the ROTC program – see description in ROTC
Milestones Aviation History AS1	ELECTIVE	1.0	No	No	9-12	Available as part of the ROTC program – see description in ROTC
Psychology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Psychology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Psychology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Psychology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Science of Flight AS2	ELECTIVE	1.0	No	No	10-12	Available as part of the ROTC program – see description in ROTC
Social/Cultural Anthropology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Social/Cultural Anthropology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Social/Cultural Anthropology 2 IBH	ELECTIVE	1.0	No	No	11-12	S Sumner Academy ONLY - See description in Social Studies
Social/Cultural Anthropology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
World Religions IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Social Studies
Creative Writing	ELECTIVE	0.5	No	No	9-12	See description in English
Classic Film & Literature	ELECTIVE	0.5	No	No	9-12	See description in English
Yearbook Production	ELECTIVE	1.0	No	No	10-12	See description in English
Composition & Research	ELECTIVE	0.5	No	No	11-12	See description in English
Shakespeare	ELECTIVE	0.5	No	No	12	See description in English
Public Speaking KCKCC	ELECTIVE	1.0	Yes	No	11-12	See description in English
Research Project IB	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in English
Theory of Knowledge 1 IB	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in English
Theory of Knowledge 2 IB	ELECTIVE	0.5	No	No	11-12	Sumner Academy ONLY - See description in English
Athletic Weight Training 1	ELECTIVE	0.5	No	Yes	9-12	See description in Physical Education
Athletic Weight Training 2	ELECTIVE	0.5	No	No	9-12	See description in Physical Education
Modern Dance 2	ELECTIVE	0.5	No	Yes	9-12	See description in Physical Education
Fitness/Conditioning 2	ELECTIVE	0.5	No	Yes	9-12	See description in Physical Education
Team Sports 2	ELECTIVE	0.5	No	Yes	9-12	See description in Physical Education
Fitness/Conditioning 3	ELECTIVE	0.5	No	Yes	9-12	See description in Physical Education
TEC Auto Collision Repair	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Automotive Tech	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Building Engineering and Maintenance Technology	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC

TEC Computer Aided Drafting	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Commercial and Residential Equipment Technician	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Computer Support Specialist	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Construction Technology	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Cosmetology	ELECTIVE	3.0	No	Yes	12	Available as part of a program - See description in TEC
TEC Culinary Arts	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Cybersecurity	ELECTIE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Electrical Technology	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Health Careers	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Machine Technology	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Medical Assistant	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Multimedia	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Nail Technology	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Office Assistant	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Power Plant Technology 2	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC
TEC Welding Technology	ELECTIVE	2.0	No	Yes	11-12	Available as part of a program - See description in TEC

ACT Preparation

Course #: 99119011
Credit: 0.5
Credit Type: ELECTIVE
Grade Level: 9-12

ACT Preparation is designed to ready students to take the ACT test.

AVID 09

Course #: 99092010
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 9

Advancement Via Individual Determination (AVID) is a program to prepare students for higher-level courses such as Pre-AP/AP courses, dual/concurrent classes, TEC, and/or post-secondary education. AVID course work focuses on entrance and placement exams, career and college knowledge, test-taking strategies, refining Cornell note-taking strategy, time management, organizational skills, and presentation methods. This full-year course is meant to be followed by additional years of participation in the program.

AVID 10

Course #: 99102010
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 10

Advancement Via Individual Determination (AVID) is a program to prepare students for higher-level courses such as Pre-AP/AP courses, dual/concurrent classes, TEC, and/or post-secondary education. AVID course work focuses on entrance and placement exams, career and college knowledge, test-taking strategies, refining Cornell note-taking strategy, time management, organizational skills, and presentation methods. This full-year course is meant to be followed by additional years of participation in the program.

AVID 11

Course #: 99112010
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 11

Advancement Via Individual Determination (AVID) is a program to prepare students for higher-level courses such as Pre-AP/AP courses, dual/concurrent classes, TEC, and/or post-secondary education. AVID course work focuses on entrance and placement exams, career and

college knowledge, test-taking strategies, refining Cornell note-taking strategy, time management, organizational skills, and presentation methods. This full-year course is meant to be followed by additional years of participation in the program.

AVID 12

Course #: 99122010
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 12

Advancement Via Individual Determination (AVID) is a program to prepare students for higher-level courses such as Pre-AP/AP courses, dual/concurrent classes, TEC, and/or post-secondary education. AVID course work focuses on entrance and placement exams, career and college knowledge, test-taking strategies, refining Cornell note-taking strategy, time management, organizational skills, and presentation methods. This full-year course is meant to be followed by additional years of participation in the program.

KS Jobs for America's Grad

Course #: 19091021
Credit: 1.0
Credit Type: ELECTIVE
Grade Level: 9-12

Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize such topics as goal-setting, decision-making, and setting priorities; money and time management; relationships; and the development of the self. Practical exercises regarding selecting and furnishing houses, meeting transportation needs, preparing food, selecting clothing, and building a wardrobe are often integral to these classes. In addition, specific topics such as insurance, taxation, and consumer protection may also be covered.

Advanced Placement (AP) – High School

Advanced Placement and Pre-AP courses are available for high school students. The exact courses scheduled at a building each school year depend on student interest and instructor availability. See the school counselor for additional information.

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
American Government AP	Social Studies	1.0	No	No	11-12	See description in Social Studies
Biology Pre-AP	Science	1.0	No	No	10-12	See description in Science
Biology AP	Science	1.0	No	No	10-12	See description in Science
Chemistry AP	Science	1.0	No	No	11-12	See description in Science
English 1 Pre-AP	English	1.0	No	No	11-12	See description in English
English 2 Pre-AP	English	1.0	No	No	11-12	See description in English
English Language & Composition AP	English	1.0	No	No	11-12	See description in English Language Arts
English Literature & Composition AP	English	1.0	No	No	11-12	See description in English Language Arts
Environmental Science AP	Science	1.0	No	No	9-12	See description in Science
Statistics AP	Math		No	No	11-12	See description in Math
Spanish Language & Culture AP	World Lang	0.5	No	No	9-12	See description in World Languages
World History & Geography Pre-AP	Social Studies	1.0	No	No	9-12	See description in Social Studies

Honors – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
English 1 Honors	English	1.0	No	No	9-12	See description in English
English 2 Honors	English	1.0	No	Yes	10-12	See description in English

International Baccalaureate (IB) – High School

IB courses are offered at Sumner Academy ONLY

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
Art & Design 1 IBH	Fine Arts	1.0	No	No	11-12	Sumner Academy ONLY - See description in Art
Art & Design 2 IBH	Fine Arts	1.0	No	No	11-12	Sumner Academy ONLY - See description in Art
Biology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Biology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Biology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Biology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Chemistry 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Science
Chemistry 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Chemistry 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Chemistry 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
English 3 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
English 4 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
English Language & Literature 3 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
English Language & Literature 4 IBH	English	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
Environmental Systems & Society 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Environmental Systems & Society 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
French 4 IBH	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
French 4 IBS	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
French 5 IBH	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
French 5 IBS	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Global Politics 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Global Politics 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
History 2 IBH	Soc St	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
History of Africa 1 IBH	Soc St	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
History of Asia/Pacific Rim 1 IBH	Soc St	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
History of the Americas 1 IBH	Soc St	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Information Technology in Global Society 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Information Technology in Global Society 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Math Analysis & Approach 1 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Math Analysis & Approach 1 IBS	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Math Analysis & Approach 2 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Math Analysis & Approach 2 IBS	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Math Applications and Interpretations 1 IB	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Math Applications and Interpretations 1 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Math Applications and Interpretations 2 IBH	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Math Applications and Interpretations 2 IBS	Math	1.0	No	No	11-12	Sumner Academy ONLY - See description in Math
Music IBS	Fine Arts	1.0	No	No	11-12	Sumner Academy ONLY - See description in Music
Personal/Professional Skills 1 IB	English	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
Personal/Professional Skills 2 IB	English	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
Physics 1 IBH	Science	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Physics 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Physics 2 IBH	Science	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Physics 2 IBS	Science	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Psychology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Psychology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St

Psychology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Psychology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Research Project IB	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
Social/Cultural Anthropology 1 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Social/Cultural Anthropology 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Social/Cultural Anthropology 2 IBH	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Social/Cultural Anthropology 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St
Spanish 4 IBH	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Spanish 4 IBS	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Spanish 5 IBH	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Spanish 5 IBS	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Spanish Literature 4 IBH	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Spanish Literature 4 IBS	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Spanish Literature 5 IBH	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Spanish Literature 5 IBS	World Lang	1.0	No	No	11-12	Sumner Academy ONLY - See description in World Lang
Sports Exercise & Health Science 1 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Sports Exercise & Health Science 2 IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Sci
Theory of Knowledge 1 IB	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
Theory of Knowledge 2 IB	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Eng
World Religions IBS	ELECTIVE	1.0	No	No	11-12	Sumner Academy ONLY - See description in Soc St

Kansas City Kansas Community College Dual Enrollment Courses (KCKCC) – High School

Course Name	Credit Type	Credit	College Credit	Pre/Co-Req	Grade	Other Information
American Government KCKCC	Soc St	1.0	Yes	Yes	11-12	See description in Social Studies
Biology KCKCC	Science	1.0	Yes	Yes	11-12	See description in Science
Calculus II KCKCC	Math	1.0	Yes	Yes	11-12	See description in Math
Calculus KCKCC	Math	1.0	Yes	Yes	11-12	See description in Math
College Algebra KCKCC	Math	1.0	Yes	Yes	11-12	See description in Math
College Chemistry 1 & Lab KCKCC	Science	1.0	Yes	Yes	11-12	See description in Science
Composition I KCKCC	English	1.0	Yes	Yes	11-12	See description in English Language Arts
Composition II KCKCC	English	1.0	Yes	Yes	11-12	See description in English Language Arts
French 1 KCKCC	World Lang	1.0	Yes	Yes	11-12	See description in World Languages
French 2 KCKCC	World Lang	1.0	Yes	Yes	11-12	See description in World Languages
Human Anatomy & Lab KCKCC	Science	1.0	Yes	Yes	11-12	See description in Science
Introduction Criminal Justice KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	See description in Social Studies
Introduction to Literature KCKCC	English	1.0	Yes	Yes	11-12	See description in English Language Arts
Physics KCKCC	Science	1.0	Yes	Yes	11-12	See description in Science
Pre-calculus KCKCC	Math	1.0	Yes	Yes	11-12	See description in Math
Psychology KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	See description in Social Studies
Public Speaking KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	See description in English Language Arts
Sociology KCKCC	ELECTIVE	1.0	Yes	Yes	11-12	See description in Social Studies
Spanish 1 KCKCC	World Lang	1.0	Yes	Yes	11-12	See description in World Languages
Spanish 2 KCKCC	World Lang	1.0	Yes	Yes	11-12	See description in World Languages
Statistics KCKCC	Math	1.0	Yes	Yes	11-12	See description in Math
Trigonometry KCKCC	Math	1.0	Yes	Yes	11-12	See description in Math
US History Since 1877 KCKCC	Soc St	1.0	Yes	Yes	11-12	See description in Social Studies

Introduction Criminal Justice KCKCC

Course #: 04114035
High School Credit: 1.0
Pre-Req: appropriate Accuplace score **or** high school GPA 2.5+ and 'C' in most recent English

Credit Type: ELECTIVE
Grade Level: 11-12
College Credit Earned: 3 hours

This is the high school course for KCKCC CRJS-0101 - Introduction to Criminal Justice, 3 credit hours KCKCC Description: This course provides an in-depth look at policy issues related to policing, courts, and corrections. It gives the student the opportunity to focus on difficult issues including the links between police, politics, law, corrections and the administration of Justice. This course will review changes in law and police practices, preparation for prosecution, the court system, and finally the link between prisons and probation. Pre-requisites: Accuplacer Reading score 240+. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

TEC – High School

Students at F. L. Schlagle, J. C. Harmon, Washington, & Wyandotte can begin work on a post-secondary certificate through KCKCC's Technical Education Center while still in high school. Most programs are one half-day and transportation is provided from the school to TEC. Students may begin as early as grade 11 and some programs require finishing after high school graduation.

Available Programs:

Automotive Collision Repair — **High School Credit: 2.0 per semester** — **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 52

College Credits earned **STARTING** 11th grade: 42 — College Credits earned **STARTING** 12th grade: 21
College Credits remaining in program **AFTER** graduation: 10 — College Credits remaining in program **AFTER** graduation: 31

Automotive Collision Repair is designed to give the student the extensive practical experience and technical knowledge needed by the skilled automotive repair technician. Straightening bent frames, removing dents from fenders and body panels, welding broken metal, replacing damaged parts, and refinishing auto bodies are all part of the course. (7:30-10:35 or 11:20-2:15)

Automotive Technology — **High School Credit: 2.0 per semester** — **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 53

College Credits earned **STARTING** 11th grade: 42 — College Credits earned **STARTING** 12th grade: 21
College Credits remaining in program **AFTER** graduation: 11 — College Credits remaining in program **AFTER** graduation: 32

Automotive mechanics work on cars and other vehicles when there is a need for repair or maintenance. Students encounter the technology that makes up the field as they work on mock-up engines, test engines, or their own vehicles. To give students practical experience, service operations are conducted in a professional shop atmosphere using late model automobiles.

Building Engineering & Maintenance Technology — **High School Credit: 2.0 per semester** — **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 44

College Credits earned **STARTING** 11th grade: 32 — College Credits earned **STARTING** 12th grade: 12
College Credits remaining in program **AFTER** graduation: 12 — College Credits remaining in program **AFTER** graduation: 32

This course includes classroom instruction and extensive hands-on experience in the fundamentals require to maintain commercial property and apartments. Students may also choose to concentrate on home remodeling or general landscaping. Custodial and basic appliance repair are also available.

Commercial & Residential Equipment Technician — **High School Credit: 2.0 per semester** — **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 44

College Credits earned **STARTING** 11th grade: 44 — College Credits earned **STARTING** 12th grade: 23
College Credits remaining in program **AFTER** graduation: 0 — College Credits remaining in program **AFTER** graduation: 21

The Major Appliance Technology program prepares for the entry level positions working on major in-home appliance and commercial restaurant equipment repair. Enrollees get detailed instruction on refrigerators, ranges, dishwashers, washing machines, dryers, wall ovens, microwaves and kitchen ventilation.

Computer Support Specialist — **High School Credit: 2.0 per semester** — **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 43

College Credits earned **STARTING** 11th grade: 43 — College Credits earned **STARTING** 12th grade: 21
College Credits remaining in program **AFTER** graduation: 0 — College Credits remaining in program **AFTER** graduation: 22

This course prepares students for careers as computer repair technicians who maintain, upgrade and install personal computers or other computerized equipment. Program completers are qualified to take the A+ Certification test to become a Certified PC Technician. (7:30-10:35 or 11:20-2:15)

Construction Technology — **High School Credit: 2.0 per semester** — **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 48

College Credits earned **STARTING** 11th grade: 41 — College Credits earned **STARTING** 12th grade: 18
College Credits remaining in program **AFTER** graduation: 7 — College Credits remaining in program **AFTER** graduation: 30

Plumbers, electricians, masons, and carpenters help fill the ranks of what is known as the building trades. This course prepares the student to enter one of these fields at the apprenticeship level. The major project for the course is the construction of a house from the foundation

work to the finishing touches. Professional craftsmen often take part in the instruction and allow students to do supervised work. (7:30-10:35 or 11:20-2:15)

Cosmetology **High School Credit: 3.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 50

College Credits earned **STARTING** 11th grade: 50
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 19
College Credits remaining in program **AFTER** graduation: 31

This program is rigidly developed and prepares students for the State Board of Cosmetology examination required before a graduate can become a licensed cosmetologist. Post-secondary students must be a high school graduate or have a GED. Students must purchase uniforms, textbook, and cosmetology kit and pay an apprentice license fee. A State Board fee is required upon completion of the program. (9:30-3:00)

Culinary Arts **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 40

College Credits earned **STARTING** 11th grade: 40
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 20
College Credits remaining in program **AFTER** graduation: 20

This program teaches students to master the fundamental skills of food service in preparation for positions in hotels, restaurants, cafeterias, hospitals, nursing homes, catering, etc. The program contains daily classroom instruction with practical work experience in the operation of the school cafeteria and food service preparation for the child care center, public meetings, and banquets. (7:30-10:35 or 11:20-2:15)

Cybersecurity **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 28

College Credits earned **STARTING** 11th grade: 28
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 28
College Credits remaining in program **AFTER** graduation: 0

The Associate in Science in Cybersecurity prepares students with the entry-level knowledge needed to protect cyberspace against physical and cyber threats. This degree is designed to enable students to easily transfer to a college or university offering a bachelor's degree in cybersecurity.

Electrical Technology **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 44

College Credits earned **STARTING** 11th grade: 37
College Credits remaining in program **AFTER** graduation: 7
College Credits earned **STARTING** 12th grade: 19
College Credits remaining in program **AFTER** graduation: 25

The Electrical Technology program develops basic electrical skills, technical knowledge and related occupational information to prepare for initial employment in the electrical trade. Students will begin with basic fundamentals of electricity and progress through all types of residential, commercial and industrial wiring.

Health Careers **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 8

College Credits earned **STARTING** 11th grade: 8
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 8
College Credits remaining in program **AFTER** graduation: 0

This program prepares students to become a state-certified CNA and provides direct patient care. Health Careers is a one semester course. Students may enroll in either first or second semester. Students must provide uniforms for clinical experience.

Heating & Refrigeration **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 44

College Credits earned **STARTING** 11th grade: 35
College Credits remaining in program **AFTER** graduation: 9
College Credits earned **STARTING** 12th grade: 20
College Credits remaining in program **AFTER** graduation: 24

This program provides instruction in installing and maintaining heating and cooling systems comprises the heating, ventilation, and air-conditioning (HVAC) technician's world. Fundamentals are emphasized, along with specific studies in central and room systems. Silver soldering techniques and trouble-shooting procedures are practiced. The program is approved for EPA refrigerant certification. (7:30-10:35 or 11:20-2:15)

Machine Technology **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 48

College Credits earned **STARTING** 11th grade: 40
College Credits remaining in program **AFTER** graduation: 8
College Credits earned **STARTING** 12th grade: 16
College Credits remaining in program **AFTER** graduation: 32

Industry provides many jobs for machinists who operate machine tools that grasp metal and form specific products through cutting, drilling, and grinding machines. The student is allowed to progress at his or her own pace while learning all the machinists' skills to select the proper

tools and materials for each job, plan the project according to blueprints or written specifications, and then form the metal product while holding accuracies to thousandths of an inch. (7:30-10:35 or 11:20-2:15)

Medical Assistant **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 38

College Credits earned **STARTING** 11th grade: 38
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 34
College Credits remaining in program **AFTER** graduation: 4

The Medical Assistant program is designed to prepare students for entry-level positions in a medical facility. Clinical functions include taking vital signs and patient histories; assisting with exams, treatments, and office surgery; collecting specimens; sterilization procedures; basic first aid; and CPR. Administrative functions include scheduling and receiving patients; obtaining and maintaining patient data; completing insurance forms; arranging for hospital admission, billing, and collection; etc. Upon completion of the classroom portion of the program, students complete a 180 hour non-paid clinical experience (externship) in a medical office.

Multimedia **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 30

College Credits earned **STARTING** 11th grade: 30
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 19
College Credits remaining in program **AFTER** graduation: 11

The Video and Multimedia Production program prepares students for careers in computer-based video production, traditional video production fields and Web Page creation. Students who have a flair or interest in graphic design, photography, illustration and internet production will learn to operate advanced equipment to create their own video production. (7:30-10:35 or 11:20-2:15)

Nail Technology **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 16

College Credits earned **STARTING** 11th grade: 16
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 16
College Credits remaining in program **AFTER** graduation: 0

This program is designed to prepare individuals to become licensed nail technologists providing manicures, pedicures, acrylic nail enhancements, nail wraps, gel nails, and nail art. The curriculum includes both theory and practical application by training through a student-operated salon. Upon completion of the program, students are eligible to take the state licensing examination. Reading score of 60 or higher on the Accuplacer required for admittance. (9:30 – 3:00)

Office Assistant **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 18

College Credits earned **STARTING** 11th grade: 18
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 18
College Credits remaining in program **AFTER** graduation: 0

The Office Assistant program is designed to prepare students for the basic and routine jobs that are part of the office worker's world of work. Office workers support the many other functions that operate within a business. (7:30-10:35 or 11:20-2:15)

Welding Technology **High School Credit: 2.0 per semester** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 40

College Credits earned **STARTING** 11th grade: 40
College Credits remaining in program **AFTER** graduation: 0
College Credits earned **STARTING** 12th grade: 20
College Credits remaining in program **AFTER** graduation: 20

Welding students learn the processes of cutting and joining metals by heat, pressure, or both, as well as the cutting of metal by gas and arc processes. With extensive hands-on experience, students are prepared to enter welding positions at the apprentice level. (7:30-10:35 or 11:20-2:15)

Special Programs

K-STEP Up

High school students with an interest in being an educator can join the K-STEP Up program. This program has specialized events and support, along with KCKCC course in high school to earn college credits towards an education degree. Transfer to K-State's online program as a college junior to complete a degree, including student teaching in KCKPS as a college senior. In addition to enrolling in the general education KCKCC classes, these four courses are featured as part of the K-STEP Up program:

Introduction to Teaching: Career Awareness KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 3

The goal of the course is increase awareness of self in relation to the roles of teachers and other K-12 teaching professionals. Career opportunities in education are considered, with an emphasis on what it means to be a professional teacher in today's high stakes environment of education. This course provides a well-rounded view of the teaching profession. Field experience is an important component of the course. It consists of twelve practical observation hours at school elementary, middle and secondary levels. These practicum hours may also include interactions with practicing school professionals. Discussion in the course will attempt to connect the foundations of education to field experience. Pre-requisites: Accuplacer Reading score 240+

Children's Literature KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 3

Students will identify children's needs and interests, learn the criteria for choosing books for children, and demonstrate the means by which children and books can be brought together. Students will read, examine, and critique a variety of children's literature selected by author, genre, and historical time period. Pre-requisites: Accuplacer Reading score 240+

Study Children & Adolescents in the Schools KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 3

The course is an introduction to the psychological study of children and adolescents and their behavior in the school setting. Emphasis is placed on techniques of observing children and adolescents and methods to describe classroom engagement based on four domains of development: physical, cognitive, social, and emotional. Twelve hours of observations in various classroom settings is requires. Pre-requisites: Accuplacer Reading score 240+

Education in Multicultural Society KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 3

This class encourages an approach to teaching and learning that is based on cultural pluralism and an interdependent world. It promotes the concept of equal access and educational excellence among all children and youth. Students are introduced to the integration of multicultural perspectives into traditional curriculum and methods of instruction. The content of this class focuses on the social constructions of class, ethnicity, gender, and culture. Pre-requisites: Accuplacer Reading score of 240+

Bio+

The Bio+ program is a full year, half day program combining foundational science knowledge with advanced laboratory skills and professional practices. Students are prepared to enter college as a STEM major and/or take an entry level position in the bioscience manufacturing facilities where aseptic techniques and biosafety concerns are needed (e.g., animal health, medical, or food packaging). The curriculum includes both theory and practical application by training in biomanufacturing and science laboratories. Upon completion of the program, students receive a biomanufacturing certification.

Introduction to Biotechnology KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 2

This is the high school course for KCKCC BIOL-0105 - Introduction to Biotechnology, 2 credit hours KCKCC Description: Introduction to Biotechnology is designed to give students an understanding of the foundational scientific principles and applications of the biotechnology. Students will focus on pharmaceutical, agricultural, medical, genomic and forensic applications of biotechnological methods and will deepen their understanding of biotechnology-related career fields in the process. Students will also explore the history of biotechnology, the regulatory methods used by industry, and the ethical issues raised by this application of science. Pre-requisites: Accuplacer Reading score 240+Part of the year-long Bio+ program for KCKPS high school students. Rev. Feb 2020; (https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Manufacturing Technician Training KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 3

This is the high school course for KCKCC BMFR-0145 - Manufacturing Technician Training, 3 credit hours KCKCC Description: The Manufacturing Technician Training course will provide students an understanding of industrial Lean manufacturing, Safety, and some of the physics of behind machines. These include levers, pulley systems, hydraulics, and electricity. Students will also learn to interpret two dimensional drawings into three dimensional structures. Pre-requisites: Accuplacer Reading score 240+. Part of the year-long Bio+ program for KCKPS high school students. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Principles of Cell and Molecular Biology KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 4

This is the high school course for KCKCC BIOL-0135 - Principles of Cell and Molecular Biology, 4 credit hours KCKCC Description: This is an integrated lecture and laboratory course for biology majors and students planning to take additional courses in biology. This class introduces the fundamental biological principles characteristic of all living things. Since the cell is the basic unit of life, this course will focus on life at the cellular and molecular levels. Subjects covered include basic biochemistry, cell anatomy and physiology, bioenergetics, genetics and evolution. Emphasis will be placed on learning the process skills and equipment associated with being a biologist. Pre-requisites: Accuplacer Reading score 240+. Part of the year-long Bio+ program for KCKPS high school students. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Survey of Biomanufacturing KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 3

This is the high school course for KCKCC BMFR-0100 - Survey of Biomanufacturing, 3 credit hours KCKCC Description: This survey course provides students with basic training on the field of biomanufacturing production. Students are introduced to an understanding of the career opportunities and basic technical skills required in high-demand, high-skill careers in bio-manufacturing. This course will include an introduction to the local Life Science industry and related career opportunities and employment requirements; the basic math and technical skills required of an entry-level position; and basic knowledge of documentation, safety, and bioproccess requirements in a biomanufacturing facility. Upon completion of this course, the students will earn an OSHA-10 Safety card. Pre-requisites: Accuplacer Reading score 240+. Part of the year-long Bio+ program for KCKPS high school students. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Techniques and Instrumentation for Biomanufacturing KCKCC	**High School Credit: 1.0**	**High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 4

This is the high school course for KCKCC BMFR-0146 - Techniques and Instrumentation for Biomanufacturing, 3 credit hours KCKCC Description: The Techniques and Instrumentation course provides students with exposure to various instruments. Students will learn the importance of equipment maintenance and calibration of pipette, pH meters, and balances. They will be able to maintain and use different types of centrifuges and their applications, cell culture incubator, bioreactor, HPLC, and gel systems. Students will also learn about safety, good documentation practices, and practice aseptic techniques. Pre-requisites: Accuplacer Reading score 240+. Part of the year-long Bio+ program for KCKPS high school students. (Rev. Feb 2020; https://www.kckcc.edu/files/docs/academics/catalog/2018-2019/course-descriptions.pdf)

Tech Impact

Students in grades 11 and 12 who are interested in an Information Technology career may apply to enroll in Tech Impact. In the first semester of the program, students work alongside professionals at Cerner, a health care IT company, and complete the course Database Management KCKCC. Students then apply for an internship for second semester. Second semester projects range from client interactions to server management tasks as part of a Cerner Scholar Internship. While exact projects vary over time, each provides opportunities to build professional and technical skills. Students who complete the program in grade 11 may apply to participate for an additional two semesters in grade 12.

Database Management KCKCC **High School Credit: 1.0** **High School Credit Type: ELECTIVE**

TOTAL COLLEGE CREDITS IN PROGRAM: 3

Database Management explores a "user" directed computer language. The software is used to perform tasks that once required hours of coding and logic development. Topics and projects include planning, building, modifying, maintaining, and using a database, sorting and indexing a file. Keyboarding skills are beneficial. (KCKCC Course CIST-0236).

Tech Impact 1

Course #: 22111012
Credit: 2.0
Credit Type: ELECTIVE
Grade Level: 11-12

Tech Impact 1 is a hands-on, real-world experience. Students will experience hands-on, active learning with full immersion in real-world projects sponsored by business partners such as Cerner Corporation. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Technology projects are tailored to student interest in the fields of health information software/computer technology. Tech Impact 2 is an onsite class that focuses on collaboration, employability skills and technical skills in preparation for on the job training experience second semester.

Tech Impact 2

Course #: 22111014
Credit: 2.0
Credit Type: ELECTIVE
Grade Level: 11-12

Tech Impact 2 is a hands-on, real-world experience. Students will experience hands-on, active learning with full immersion in real-world projects sponsored by business partners such as Cerner Corporation. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Technology projects are tailored to student interest in the fields of health information software/computer technology. Tech Impact 2 involves students working on company teams where they are an integral part of their daily function.

Tech Impact 3

Course #: 22121012
Credit: 2.0
Credit Type: ELECTIVE
Grade Level: 11-12

Tech Impact 3 is a hands-on, real-world experience. Students will lead the students in Tech Impact 1 in hands-on, active learning with full immersion in real-world projects sponsored by business partners such as Cerner Corporation. Students will learn leadership and team management skills as they guide students as they work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Technology projects are tailored to student interest in the fields of health information software/computer technology. Tech Impact 2 is an onsite class that focuses on collaboration, employability skills and technical skills in preparation for on the job training experience second semester.

Tech Impact 4

Course #: 22121014
Credit: 2.0
Credit Type: ELECTIVE
Grade Level: 11-12

Tech Impact 4 will continue the hands-on, real-world experience they began in Tech Impact 2. Students will experience hands-on, active learning with full immersion in real-world projects sponsored by business partners such as Cerner Corporation. Students work in multi-disciplinary teams to provide innovative solutions to a company's real-world problems. Technology projects are tailored to student interest in the fields of health information software/computer technology. Tech Impact 2 involves students working on company teams where they are an integral part of their daily function.

Wyandotte County 911 Dispatch

Students in grade 12 who are interested in a career in Law Enforcement may apply to be accepted into the 911 Dispatch program. This program is in partnership with the Wyandotte Unified Government. Students must complete the application and background check designated by the Wyandotte Unified Government. Students receive 320 hours of paid learning experience, NCIC certification, emergency medical dispatch certification, and cardiopulmonary resuscitation certification.

Course offerings will be available soon.

Wyandotte Count Sheriff's Corrections Cadet

Students in grade 12 who are interested in a career in Law Enforcement may apply to be accepted into the Sheriff's Corrections Cadet Program. This program is in partnership with the Wyandotte Unified Government. Students must pass an agility and background test to be considered for this program. Students will receive 300 hours of paid learning experience and can be eligible for employment upon graduation.

Course offerings will be available soon.