

LAKEWOOD HIGH SCHOOL



**COURSE GUIDE
2025-2026**

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Jeffco Graduation and Readiness After High School (Postsecondary Workforce Readiness)



GRADUATION REQUIREMENTS

The graduating class of 2022 and beyond must meet or exceed the following graduation requirements to receive a high school diploma from Jefferson County Public Schools.

 REQUIRED COURSE CREDIT			 POSTSECONDARY WORKFORCE READINESS (PWR) DEMONSTRATIONS		
Students are required to complete the 23 credit hours of study shown below.			Students must demonstrate readiness on at <u>least one measure</u> in Reading, Writing and Communicating, and <u>one measure</u> in Mathematics.		
SUBJECT	Jeffco Credits	HEAR Credits ^a	PWR OPTIONS ^a	Reading, Writing & Communicating	Math
Reading, Writing & Communicating	4	4	Accuplacer Next	241/Reading or 236/Writing	255/AR, or 230/QAS ^b
Math	3 ^b	4	ACT	18	19
Science	3 ^c	3	ACT WorkKeys	Bronze	
Social Studies	3.5 ^d	3	Advanced Placement ^c	2	2
Physical Education	0.5	None	ASVAB	31	
Fine/Practical Arts	0.5	None	Concurrent/Dual Enrollment	Passing Grade	Passing Grade
World/Foreign Language	N/A	1	District Capstone	Passing	Passing
Additional Coursework	8.5	2	Industry Certificate	Completed	
TOTAL	23	N/A	International Baccalaureate ^c	4	4
a. Higher Education Admission Recommendations for Colorado public four-year colleges/universities; private colleges/universities set their own admission standards b. A minimum of algebra 1, geometry and one additional course at or above geometry c. Three credits must be lab-based and meet both process and content standards are required d. Geography, U.S. history, world history, U.S. government, economics			SAT ^d	470	480 ^e
			Performance Based Assessment (in development)	State Rubric	State Rubric
			a. Check with your school to learn which of the above options are offered b. Arithmetic (AR); Quantitative Reasoning, Algebra, and Statistics (QAS) c. Other demonstrations may be required if test scores come after deadline d. All students are required to take the SAT in their Junior year e. The CDE State Board changed the SAT Math readiness cut score from 500 to 480 for the classes of 2025 and 2026.		
Learn more at https://tinyurl.com/JeffcoGrad					

Registration Policies

ENROLLMENT REQUIREMENTS

Students are required to be enrolled in six classes each semester. Students may take an extra class if it is for Theory of Knowledge, Student Senate, vocal or instrumental music, publications, engineering, or theatre. All students will be enrolled in a homeroom class called Seminar, which meets 3 days/week and counts as .25 credits/semester. 80% attendance is required to pass Seminar.

CORE CLASSES

District Policy requires that in grades 9-12, students shall take at least four classes in core contents or three Advanced Placement (AP) or International Baccalaureate (IB) courses every semester. Core Content includes: English, Mathematics, Science, Social Sciences, World Languages, Advanced or AP classes in the arts and electives, Post-secondary options, ½ day Warren Tech programs, and concurrent enrollment programs.

SCHEDULE CHANGES

Schedule changes will be granted only with the approval of a counselor or an assistant principal. Students should choose their classes wisely during registration because changes are often not possible at the beginning of a semester. Students must follow their original schedules until schedule changes have been granted. Changes will only be made for incorrect level, prior semester failure, or class conflict. Changes will not be made for teacher/period preference.

ADDING/DROPPING CLASSES

All class additions must occur no later than the end of the first week of the semester. Classes dropped during weeks 3-6 will result in a grade of WF (Withdraw Fail) or WP (Withdraw Pass) as indicated by the teacher. Classes dropped after week 6 will result in a semester grade of "F" and will affect the cumulative GPA. See your counselor for eligibility and for the necessary forms. Students wishing to drop an AP course must submit an AP Drop request by the semester deadline. A committee of Administrators and Counselors will determine if requests are approved or denied.

GRADES AND CREDIT

All classes at LHS are worth .5 credit per semester unless otherwise noted. Seminar and Teacher Aide classes are worth .25 credit per semester. Progress report grades are completed every six (6) weeks. Only semester grades are recorded on transcripts. If a student is experiencing extenuating circumstances, the option for Pass/Fail may be granted for all courses on a student's schedule. Choosing specific classes to be graded as Pass/Fail is not an option. See your counselor for eligibility and necessary forms.

MAKEUP COURSE OPPORTUNITIES

Students are not generally permitted to retake failed courses. Students who fail classes need to make appointments with their counselors to explore credit retrieval options. Students may not be able to continue the required sequence of core classes unless they show an effort to make up failed classes in night school, summer school, online, or through correspondence.

COURSE FEES

Some *elective, AP, and IB* courses have extra fees to cover expenses. Fees are listed in the course descriptions. The money for classes with fees will be collected at the beginning of the school year.

WEIGHTED GRADES

District Policy states that *core* Honors courses, AP and IB courses will be weighted on a 5.0 scale. All other courses are graded on a 4.0 scale.

GRADUATION PARTICIPATION REQUIREMENTS

Students are required to complete all 23 required credits and demonstrate postsecondary workforce readiness in both Reading, Writing & Communication AND Mathematics for graduation for participation in graduation ceremonies. In order to preserve the unity of the graduation ceremony, students must conform to school-sanctioned standards and expectations for behavior and attire. School property must be returned, and school bills must be paid.

Higher Education Admission Requirements

In accordance with a policy passed by the Colorado Commission on Higher Education (CCHE), students who are admitted to any of Colorado's public four-year colleges and universities will need to have completed the following courses that make up a solid pre-collegiate curriculum:

- Four years of English
- Four years of mathematics at the level of Algebra I and higher
- Three years of natural science (two of which must be laboratory sciences)
- Three years of social studies (one of which must be U.S. History or World Civilizations)
- Two years of academic electives
- One year of a World Language

Prospective Collegiate Student Athletes

Many college athletic programs are regulated by the National Collegiate Athletic Association (NCAA), an organization founded in 1906 that has established rules on eligibility, recruiting and financial aid. If you are planning to enroll in college as a freshman wishing to participate in Division I or II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. The Clearinghouse ensures consistent application of NCAA Initial-Eligibility requirements for prospective student athletes at all member institutions.

Eligibility

- Registration must be completed by going online to <https://web3.ncaa.org/ecwr3/>
Eligibility Center Tutorial Information: http://fs.ncaa.org/Docs/eligibility_center/Student_Resources/Registration_Checklist.pdf
- A \$100 registration fee payable with a credit card will be needed at the time of registration.
- Two copies of the printed form must be given to the counselor (Form 1 and 2 signed).
- Check the approved core course list (student's responsibility; changes yearly)
- Coach's release form in Counseling Office
- Division 1 and 2 require a minimum of 16 academic course units as follows: <https://www.ncaa.org/sports/2014/10/6/core-courses.aspx>
 - 4 years of English
 - 3 years of Math (Alg. I or above)
 - 2 years of Science (1 year of lab science)
 - 2 years Social Studies
 - 1 additional year of English, Math, or Science
 - 4 additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy
- Complete 10 of your 16 NCAA Approved course-credits, including 7 in English, Math, or Science before the start of your seventh semester.
Once you begin the seventh semester (First Semester, Senior Year) any course needed to meet the 10/7 requirement cannot be replaced or repeated.
- You must have a core-course GPA of 2.3 for DI and GPA of 2.2 for DII (based on a 4.0 scale).

As of January 2023, standardized test scores are **not required** for all student-athletes who initially enroll full time on or after August 1, 2023. Students should also check with the NCAA school they plan to attend regarding whether standardized test scores are necessary for admission or scholarship requirements. Please contact NCAA Customer Service at 877-262-1492 with questions.

indicates an NCAA approved course.

Valedictorian Selection, Academic Awards, and National Honor Society

Honors/Advanced Placement Program: Valedictorian will be decided by the highest *weighted* GPA.

International Baccalaureate Program: Valedictorian will be decided by the highest *unweighted* GPA.

ACADEMIC AWARDS

Honors: 3.5-3.749 GPA
High Honors: 3.75-4.0 or higher GPA

NATIONAL HONOR SOCIETY

3.75 unweighted GPA in addition to:
Nomination/Volunteer Hours/Academic honesty pledge

College Opportunity Fund

The College Opportunity Trust Fund, created by the Colorado Legislature, provides a stipend to eligible undergraduate students who are Colorado residents for tuition purposes. The stipend pays a portion of your total in-state tuition when you attend a Colorado public institution or a participating private institution. Eligible undergraduate students must apply, be admitted and enroll at a participating institution. Both new and continuing students are eligible for the stipend. The stipend will assist with the first 145 credit hours of your undergraduate degree program at a Colorado college. Qualifying students may use the stipend for eligible undergraduate classes. The stipend is paid on a per credit hour basis to the institution at which the student is enrolled. The credit-hour amount will be set annually by the General Assembly. The application to apply for the stipend is currently available at www.collegeincolorado.org; click on "College Opportunity Fund." All Colorado residents should apply for the College Opportunity Fund in order to offset the entire cost of tuition at each college.

Concurrent Enrollment

The Concurrent Enrollment (CE) program provides high school students the opportunity to earn tuition free college credit through Red Rocks Community College for select high school courses they are currently taking at Lakewood High School. In order to be eligible, the student must be scheduled into a CE course at Lakewood High School. The student must complete all admission and registration requirements of Red Rocks Community College, which includes the college application, apply and authorize the College Opportunity Fund (COF) and CE Agreement form. Some courses may require a student to meet prerequisites and test scores. Courses descriptions will note if a course offers CE. For additional information, please refer to Jeffco Public Schools Concurrent and Dual Enrollment website. Students may also check with their counselor for more information.

* In accordance with Colorado Statute 23-18-202 (5) (c) (I) (B) students' names and state ID number will be shared with the institution of higher education.

** Options for concurrent enrollment may change based up on college instructor requirements and teacher availability

Career Technical Education

Business

Intro to Business – Semester

Prerequisites: None

Grades: 9, 10, 11, 12

Intro to Business introduces the application of fundamental business principles to local, national, and international forums. This course examines the relationship of economic systems, governance, regulations, and law upon business operations. It surveys the concepts of career development, business ownership, finance and accounting, economics, marketing, management, operations, human resources, regulations, and business ethics.

Course Code: 12051G05011

Fine Arts/CTE

Legal Environment of Business – Semester

Prerequisite: None

Grade(s): 10, 11, 12

Legal Environment of Business emphasizes public law, regulation of business, ethical considerations, and various relationships existing within society, government, and business. Specific attention is given to economic regulation, social regulation, labor-management issues, environmental issues, and contract fundamentals. This course analyzes the role of law in social, political, and economic change business environments.

Course Code: 12054G05011

Fine Arts/CTE

Fee: \$5.00

Principles of Marketing – Semester

Prerequisite: None

Grade(s): 10, 11, 12

Principles of Marketing presents the analysis of theoretical marketing processes and the strategies of product development, pricing, promotion and distribution, and their applications to businesses and the individual consumer.

Course Codes: 12164G05011

Fine Arts/CTE

Event Marketing/Communications – Semester

Prerequisite: None

Grade: 11, 12

Event Marketing/Communications defines the importance and role of marketing, media and public relations in the event planning industry. Identify marketing and communication tools such as social media, promotional events, networking and blogs. Design a marketing plan to include target market research, communication tools, objectives, strategies, and implementation.

Course Code: 12163G05011

Fine Arts/CTE

IB Business and Management SL– Full Year

Prerequisite: Teacher approval

Grade(s): 11, 12

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at the Standard level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. This course also equips students with knowledge and understanding of business terminology, concepts and principles.

Course Codes: 12059H05014/12059H05024

Fine Arts/CTE

Fee: \$10

IB Business and Management HL – Full Year

Prerequisite: IB Business and Management SL

Grade(s): 12

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at either the Standard or Higher Level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. These courses also equip students with knowledge and understanding of business terminology, concepts and principles.

Course Codes: 12059H05034/12059H05044

Fine Arts/CTE

Fee: \$10

Family & Consumer Sciences

Child & Adolescent Development – Semester

Prerequisite: None

Grade(s): 10, 11, 12

The purpose of Child and Adolescent Development is to acquire knowledge and understanding of child and adolescent development necessary for strengthening the well-being of children and families. Content focuses on perspectives of human development, research and theories, understanding and nurturing development, and challenges to development.

Course Code: 19255G05011

Fine Arts/CTE

Food Science 1 – Semester

Prerequisite: none

Grade(s): 9, 10, 11, 12

Food Science 1 is a beginning level course which covers a variety of scientific as well as food preparation principles. Units include but are not limited to: career paths, safety and sanitation, food preparation, basic nutrition, and food/product innovation and development. These will be explored through academic text as well as hands-on food preparation labs.

Course Code: 19252G05012

Fine Arts/CTE

Fee: \$35

Food Science 2 – Semester**Prerequisite: Food Science 1 or Culinary Nutrition****Grade(s): 10, 11, 12**

Food Science 2 is a continuation of Food Science and Nutrition I with an emphasis on understanding the relationship of food and nutrition to individual health. Students will acquire thorough knowledge of the essential nutrients and their impact on the body. In addition, students will explore the chemistry of food and lab experiences will support class content.

Course Code: 19252G05022**Fine Arts/CTE****Fee: \$35****Catering I – Semester****Prerequisite: One semester of Food Science****Grade(s): 10, 11, 12**

Catering 1 is the first semester of a two semester program designed for students with career interests in the food industry as well as owning their own catering business. The purpose of this course is to develop skills in quantity food preparation, safety and sanitation, planning, customer service, business plans and entrepreneurship.

Course Code: 16057G05012**Fine Arts/CTE****Fee: \$50****Catering II– Semester****Prerequisite: Catering 1****Grade(s): 10, 11, 12**

Catering 2 is the second semester of a two-semester program designed for students with career interests in the food industry as well as owning their own catering business. The purpose of this course is to develop skills in quantity food preparation, safety and sanitation, planning, customer service, business plans and entrepreneurship.

Course Code: 16057G05022**Fine Arts/CTE****Fee: \$50****Life Management – Semester****Prerequisite: None****Grade(s): 11, 12**

Students in Life Management will develop decision-making skills to become educated consumers with an understanding and academic knowledge of consumer resources and financial organizations. The course focuses on personal and family resources, job and career, personal and family finances, and wellness. (Relevant topics include: independent living, healthy lifestyles, career research and job portfolios, personal financial literacy, investments, credit, insurance, leasing vs. purchasing of autos and homes.)

Course Code: 19257G05011**Fine Arts/CTE****Film****Filmmaking – Full year****Prerequisite: None****Grade(s): 10, 11, 12**

In Filmmaking, students learn how to use digital video editing software to create, edit, and save movies. Students create movies using digital video clips, digital photos and music. The basics of shooting good video, capturing video from a camera to a computer, creating movies for the web, and creating a finished product will be covered. ****Students will participate in a Film Festival, in which a final film project will be showcased at a local movie theater for public viewing****

Course Codes: 05168G05012/05168G05022**Fine Arts/CTE****Fee: \$40.00****Media Production Beg– Full Year****Prerequisite: Teacher Approval****Grade(s): 10, 11, 12**

Media Production Beginning provides students with basic knowledge and skills to produce media broadcast programs. Typically, students support a team of beginning and experienced peers to prepare and produce short programs, learning the technical aspects of the operation and how to evaluate programming and assess audience reaction and impact. ****Students will create materials (social media posts, broadcasts, etc.) for school announcements (Tiger TV) throughout the year.****

Course Codes: 11103G05014/11103G05024**Fine Arts/CTE****Fee: \$40.00****IB Film Year 1 (SL or HL) – Full Year****IB Film Year 2 (HL) – Full Year****Prerequisite: Teacher approval****Grade(s): 11, 12**

This course prepares students for the IB Film exam at the Standard Level. Through the study and analysis of film texts and exercises in film-making, the IB Film course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures. Students develop filmmaking skills including, but not limited to: cinematography, directing, editing, lighting, sound, etc. These skills will be applied to a short film as a final project. Students who take IB Film must fulfill the IB testing requirements which requires an additional fee.

Course Codes: 99168H05014/99168H05024**99168H05034/99168H05044****Fine Arts****Fee: \$40.00 + \$10 IB Fee**

Technical Education

Principles of Manufacturing - Semester

Prerequisite: None

Grade(s): 9, 10, 11, 12

In Principles of Manufacturing, students are introduced to knowledge and skills used in the proper application of principles of manufacturing. The study of manufacturing technology allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities. Students will gain an understanding of what employers require to gain and maintain employment in manufacturing careers.

Course Codes: 13002G05012

Fine Arts/CTE

Fee: \$40.00

Woodworking Technology – Semester

Prerequisite: None

Grade(s): 9, 10, 11, 12

Woodworking Technology provides an overview of the planning, design, layout, and technical drawing interpretation for practical use in woodworking, cabinetmaking, and mill working. Different cabinet and furniture styles used, various wood products and materials, and proper tool selection may also be covered. Students will be introduced to the different construction processes in the cabinetmaking, furniture making, and millwork industries. Students will learn about measurement, layout, shop drawings and cutting lists. They will gain a basic understanding of the various kinds of materials used in the industry. Students will learn to use selected woodworking tools and machinery. Correct and safe use of tools and equipment is emphasized. The construction of several projects will develop students' woodworking skills.

Course Code: 17006G05014

Fine Arts/CTE

Fee: \$40.00

Woodworking Technology II – Full Year or Semester

Prerequisite: Woodworking Technology

Grade(s): 10, 11, 12

In Woodworking Technology II, students will expand their knowledge of workshop & tool safety, joinery techniques, project design, shop maintenance, power tool & hand tool use and wood theory. There will be an emphasis on craftsmanship & on joinery skills, attention to detail and elements of design.

Course Code: 17006G05034

Fine Arts/CTE

Fee: \$40.00

Construction Technology I – Semester

Prerequisite: Industrial Arts or Principle of Manufacturing

Grade(s): 9, 10, 11, 12

Construction Technology I is the foundation course to basic residential construction. Students will demonstrate competencies that are nationally recognized by the construction industry. Students will learn and practice structural framing of floors, walls, ceilings, and roofs. This course also includes the use of basic construction tools and machinery, applied math, and an introduction to blueprint reading. This course teaches students industry safety including the use of all machines and tools.

Course Code: 17002G05012

Fine Arts/CTE

Fee: \$40.00

Intro to Welding– Semester

Prerequisite: None

Grade(s): 9, 10, 11, 12

Introduction to Welding is an introductory welding class that teaches students the basics of Oxy-Acetylene welding and cutting, Wire Feed/Mig welding, SMAW (stick arc welding) and Plasma cutting. It also covers general and welding safety as well as general metal working procedures.

Course Code: 13207G05012

Fine Arts/CTE

Fee: \$40.00

Welding Technology I - Semester or Full Year

Prerequisite: Metalworking or Intro to Welding

Grade(s): 10,11,12

Welding Technology provides the foundational understanding of welding and welding processes. In this course students will learn industry based safety standards and become familiar with the following welding processes; Oxyacetylene welding and torch cutting, plasma cutting, and ARC welding. Students will become familiar with basic blueprint reading, weld symbols, welding-related math, and measurement. As their skill level is developed, small projects will be introduced throughout the year

Course Code: 13207G05014/13207G05024

Fine Arts/CTE

Fee: \$40.00/Semester

Welding Technology II – Semester or Full Year

Prerequisite: Metal Working Intermediate or Welding Technology I

Grade(s): 10, 11, 12

Welding Technology II students will be exposed to more advanced welding processes such as MIG/GMAW, as well as an introduction to TIG welding. In addition, they will have the opportunity to refine what they learned from Level I to a higher standard. Students will identify welding symbols on drawings, read detailed drawings, identify physical characteristics and mechanical properties of metal, explain pre and post heating of metals, identify equipment and filler metals utilized in GMAW, as well as prepare welding test plates. Through the course of the year, students will have the opportunity to create more advanced welding projects for the community as well as private individuals.

Course Code: 13207G05034/13207G05044

Fine Arts/CTE

Fee: \$40.00/Semester

STEM (Science, Technology, Engineering, & Mathematics) - @ LHS

Engineering 1 – Full Year

Prerequisite: None

Grade(s): 9, 10, 11, 12

Engineering 1 is designed to introduce students to the STEM cluster for students interested in learning more about careers in engineering and technology. This course covers basic skills required for engineering and technology fields of study. Upon completion of this course, students are able to identify and explain the steps in the engineering design process. They can evaluate an existing engineering design, use fundamental sketching and engineering drawing techniques, complete simple design projects using the engineering design process, and effectively communicate design solutions to others. ****This course may be applied towards a STEM Endorsed Diploma**

Course Codes: 21004G05012/21004G05022

Fine Arts/CTE

Fee: \$50.00 per year

Engineering 2 – Full Year

Prerequisite: Engineering 1

Grade(s): 10, 11, 12

Engineering 2 is a fundamental course in the Engineering and Technology Program of Study for students interested in developing their skills in preparation for careers in engineering and technology. The course covers essential knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to describe various engineering disciplines, as well as admissions requirements for postsecondary engineering and engineering technology programs in Colorado. They will also be able to identify simple and complex machines, calculate various ratios related to mechanisms, explain fundamental concepts related to energy, understand Ohm's Law, follow the steps in the engineering design process to complete a team project, and effectively communicate design solutions to others.

****This course may be applied towards a STEM Endorsed Diploma**

Course Codes: 21006G05012/21006G05022

Fine Arts/CTE

Fee: \$50.00 per year

Engineering 3– Full Year

Prerequisite: Engineering 1 and Engineering 2

Grade(s): 11,12

Engineering 3 is an applied course for students interested in further developing their skills as future engineers. This course covers knowledge, skills, and concepts required for postsecondary engineering and technology fields of study. Upon completion of this course, proficient students are able to explain the differences between scientists and engineers, understand the importance of ethical practices in engineering and technology, identify components of control systems, describe differences between laws related to fluid power systems, explain the importance of material and mechanical properties to design, create simple free body diagrams, use measurement devices employed in engineering, conduct basic engineering economic analysis, follow the steps in the engineering design process to complete a team project, and effectively communicate design solutions to others.

****This course may be applied towards a STEM Endorsed Diploma**

Course Codes: 21007G05012/21007G05022

Fine Arts/CTE

Fee: \$50.00 per year

Capstone: STEM – Semester or Full Year

Prerequisite: Engineering 1, 2, and 3

Grade: 12

The STEM Capstone is a student driven culminating project in a science, technology, engineering, or mathematics pathway. Students will work with professional STEM mentors as they define and navigate an investigation or design solution related to a STEM discipline of their choosing. Through the STEM Capstone students will demonstrate mastery in the following STEM skills (as defined by the Jeffco STEM Capstone Rubric): asking questions and defining problems, applying scientific and mathematical models to explain complex ideas, planning and carrying out investigations, analyzing and interpreting data, using mathematics and computational thinking, constructing explanations or designing solutions, engaging in argument from evidence, collaboration and leading by influence, and self-direction and personal responsibility. Students will demonstrate mastery through a portfolio of work linking their capstone project to the defined STEM skills and a public presentation of their solution and/or findings. The STEM Capstone is a required component of the STEM Endorsed Diploma.

Course Codes: 22999G05012/22999G05022

Fine Arts/CTE

Fee: \$50.00 per year

DC/AC Electricity/Electronics – Full Year

Prerequisite: none

Grade(s): 10, 11, 12

This lab based course will introduce students to the concepts, components, and devices related to both DC and AC electronics. Upon completion of this class, students should understand the concepts of voltage, current, and resistance and various circuit components including conductors, semiconductors, resistors, insulators, and capacitors. Students will understand how these components react in series, parallel, and series-parallel circuits. Students may also be introduced to the available occupations in electrical and electronic industries.

****This course may be applied towards a STEM Endorsed Diploma**

Course Codes: 17108G05012/17108G05022

Science

Fee: \$25

Digital Electronics – Full Year

Prerequisite: Electricity/Electronics

Grade(s): 10, 11, 12

"Digital Electronics is intended to provide students with an introduction to the basic components of digital electronic systems and equip them with the ability to use these components to design more complex digital systems. Proficient students will be able to (1) describe basic functions of digital components (including gates, flip flops, counters, and other devices upon which larger systems are designed), (2) use these devices as building blocks to design larger, more complex circuits, (3) implement these circuits using programmable devices, and (4) effectively communicate designs and systems. Students develop additional skill in technical documentation when operating and troubleshooting circuits. Upon completion of the Digital Electronics course, students will be able to design a complex digital system and communicate their designs.

****This course may be applied towards a STEM Endorsed Diploma**

Course Codes: 21008G05012/21008G05022

Fine Arts/CTE

Fee: \$25

Robotics & Automated Systems – Full Year**Prerequisite: none****Grade(s): 11, 12**

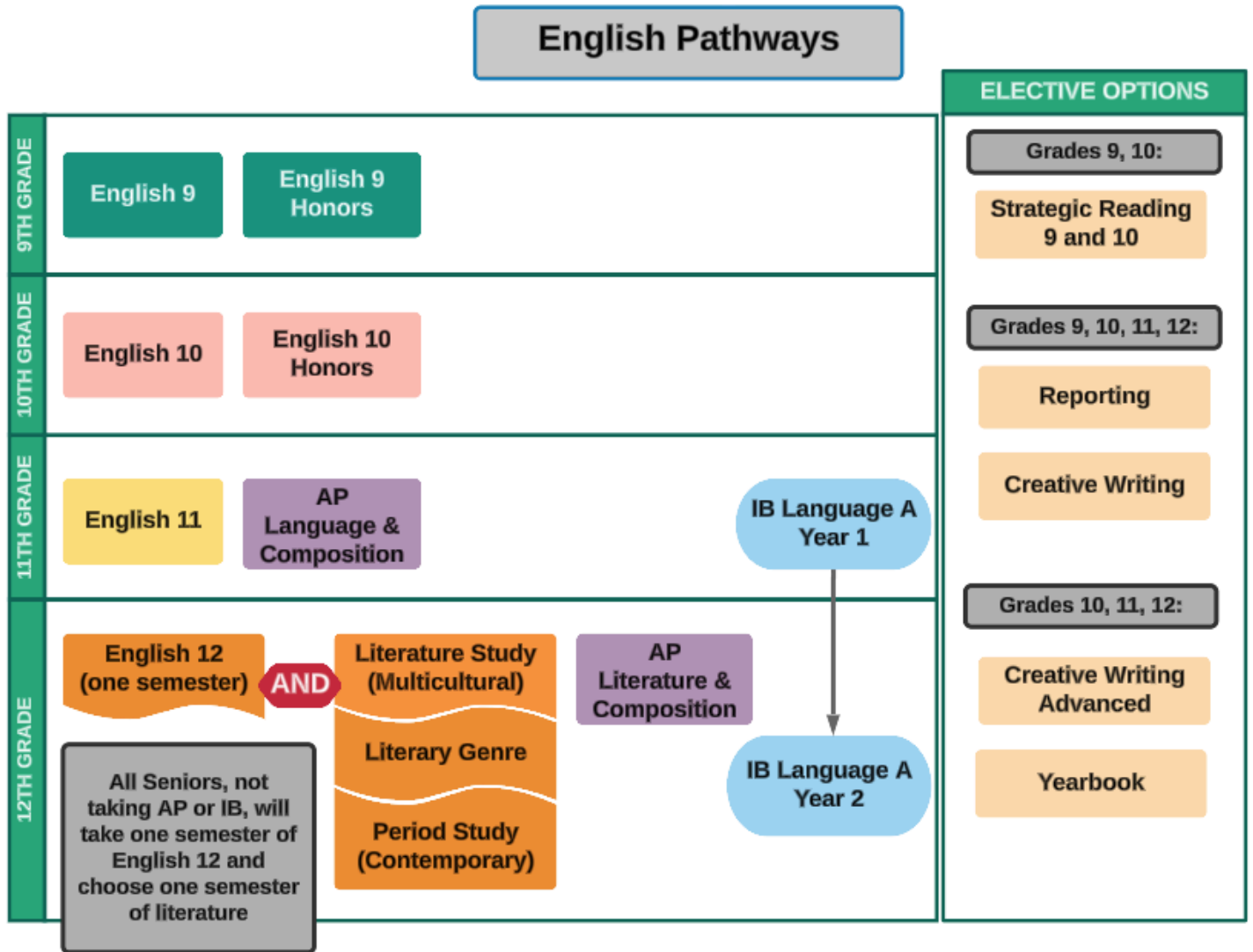
Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Upon completion of this course, students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:21009G05012/21009G05022****Science****Fee: \$25****Colorado STEM Endorsed Diploma**

In May of 2017 the state of Colorado passed legislation allowing for a STEM Endorsed Diploma provided students demonstrate specific STEM related outcomes throughout their high school education. To earn the endorsement students must:

- 1.) Earn 4 STEM related credits, beyond those required for graduation, with a 3.5 GPA (in those STEM courses).
- 2.) Demonstrate a high proficiency in mathematics (as determined by specific state and/or national standards).
- 3.) Complete a STEM Capstone that demonstrates mastery of specific STEM Skills.

English Language Arts



English/ Language Arts 9 # – Full Year

Prerequisite: None

Grade: 9

English/Language Arts 9 incorporates the five aspects of language arts: reading, writing, speaking, listening, and viewing. The study of genres leads to written compositions that build upon students' prior knowledge of grammar, vocabulary, word usage, and mechanics. Students apply comprehension and critical reading skills to both literature and nonfiction.

Course Codes: 01001G05012/01001G05022

English Language Arts

English/ Language Arts 9 (ESL) # – Full Year

Prerequisite: ESL Teacher/Counselor Recommendation

Grade: 9, 10

English/Language Arts 9 incorporates the five aspects of language arts: reading, writing, speaking, listening, and viewing. The study of genres leads to written compositions that build upon students' prior knowledge of grammar, vocabulary, word usage, and mechanics. Students apply comprehension and critical reading skills to both literature and nonfiction. This course will be taught using sheltered instructional methods and strategies which make the subject matter concepts comprehensible to linguistically diverse students while simultaneously promoting the students' English language development.

Course Codes: 01001G05010/01001G05020

English Language Arts

English/ Language Arts 9 Honors # – Full Year
Prerequisite: Recommended A in previous course
Grade: 9

Course Codes: 01001H05012/01001H05022
English Language Arts

English/Language Arts 9 incorporates the five aspects of language arts: reading, writing, speaking, listening, and viewing. The study of genres leads to written compositions that build upon students' prior knowledge of grammar, vocabulary, word usage, and mechanics. Students apply comprehension and critical reading skills to both literature and nonfiction. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. *Students may be required to pay for some supplies and activities.*

English/ Language Arts 10 # – Full Year
Prerequisite: English Language Arts 9
Grade: 10

Course Codes: 01002G05012/01002G05022
English Language Arts

English/Language Arts 10 offers a balanced focus on composition and literature. Students read widely to improve their reading rate, vocabulary, and comprehension and develop skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. Students apply knowledge of purposes and audiences by studying and producing various genres. Oral communication is practiced in group settings as well through presentations. Students may be required to pay for some supplies and activities.

English/ Language Arts 10 (ESL) # – Full Year
Prerequisite: ESL Teacher/Counselor Recommendation; ELA 9
Grade: 10

Course Codes: 01002G05010/01002G05020
English Language Arts

English/Language Arts 10 offers a balanced focus on composition and literature. Students read widely to improve their reading rate, vocabulary, and comprehension and develop skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. Students apply knowledge of purposes and audiences by studying and producing various genres. Oral communication is practiced in group settings as well through presentations. This course will be taught using sheltered instructional methods and strategies which make the subject matter concepts comprehensible to linguistically diverse students while simultaneously promoting the students' English language development.

English/ Language Arts 10 Honors # – Full Year
Prerequisite: Teacher approval
Grade: 10

Course Codes: 01002H05012/01002H05022
English Language Arts

English/Language Arts 10 offers a balanced focus on composition and literature. Students read widely to improve their reading rate, vocabulary, and comprehension and develop skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. Students apply knowledge of purposes and audiences by studying and producing various genres. Oral communication is practiced in group settings as well through presentations. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. This is an expanded curriculum version of English/Language Arts 10 with a specific focus on American Literature as an agent of change as well as a reflection of American culture. Students may be required to pay for some supplies and activities.

English/ Language Arts 11 # – Full Year
English Language Arts 10
Grade: 11

Course Codes: 01003G05012/01003G05022 Prerequisite:
English Language Arts

English/Language Arts 11 develops students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, which students apply to compositions that utilize research and rhetoric. Students read nonfiction and literary works as a means to understand the world and to inform their writing. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. Participation in class dialogue and delivering presentations are expectations of this course. Students may be required to pay for some supplies and activities.

AP English Language & Composition (AP Junior English) # – Full Year
Prerequisite: Teacher approval English 10 Hon or Eng 11
Grade: 11

Course Codes: 01005H05012/01005H05022
Language Arts
Fee: \$10.00

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. Students will take the AP test in May at a cost of around \$100.

Seniors will choose one of the following Literature semester courses, paired with a semester long English 12 course focused on Composition or choose the year long AP English Literature class.

Fall Semester- Composition Course:

English/Lang Arts 12 # – Semester

Prerequisite: English/Language Arts 11

Grade: 12

English/Language Arts 12 blends composition, analytical reading, and literature into a cohesive whole. Students combine purposes, patterns, and genres in writing while incorporating research and rhetorical techniques. Collaboration and critical thinking lead to more complex presentations and products, with students honing their comprehension skills while reading more complicated literary and nonfiction texts. In this English/Language Arts 12 option, the logic and critical-thinking skills that accompany effective writing will be reinforced; this course provides continued and advanced instruction in writing for a variety of purposes and audiences. Students may be required to pay for some supplies and activities. As part of this course, students will also complete the English Capstone requirements necessary to earn a diploma in the state of Colorado. English 12 will have an emphasis on writing for a variety of purposes, whether college or career bound.

Course Code: 01104G05012

English Language Arts

Spring Semester- Literature Course Options (Choose One):

English/Lang Arts 12 – Period Study (Contemporary) # – Semester

Prerequisite: English/Language Arts 11

Grade: 12

English/Language Arts 12 blends composition, analytical reading, and literature into a cohesive whole. Students combine purposes, patterns, and genres in writing while incorporating research and rhetorical techniques. Collaboration and critical thinking lead to more complex presentations and products, with students honing their comprehension skills while reading more complicated literary and nonfiction texts. In this English/Language Arts 12 option, students will focus their attention primarily on contemporary & modern literature; however, different resources will also be studied. Students may be required to pay for some supplies and activities.

Course Codes: 01004G05016

English Language Arts

English/Lang Arts 12 – Lit Study (Multicultural) # – Semester

Prerequisite: English/Language Arts 11

Grade: 12

English/Language Arts 12 blends composition, analytical reading, and literature into a cohesive whole. Students combine purposes, patterns, and genres in writing while incorporating research and rhetorical techniques. Collaboration and critical thinking lead to more complex presentations and products, with students honing their comprehension skills while reading more complicated literary and nonfiction texts. In this English/Language Arts 12 option, students will focus their attention primarily on the study of multicultural literature featuring authors from diverse backgrounds; however, other types of texts will also be studied. Students may be required to pay for some supplies and activities.

Course Code: 01004G05036

English Language Arts

English/Lang Arts 12 – Literary Genre # – Semester

Prerequisite: English/Language Arts 11

Grade: 12

English/Language Arts 12 blends composition, analytical reading, and literature into a cohesive whole. Students combine purposes, patterns, and genres in writing while incorporating research and rhetorical techniques. Collaboration and critical thinking lead to more complex presentations and products, with students honing their comprehension skills while reading more complicated literary and nonfiction texts. In this English/Language Arts 12 option, students will focus their attention on genres such as science fiction, graphic novels, historical fiction; however, other genres of writing will also be studied. Students may be required to pay for some supplies and activities.

Course Code: 01004G05056

English Language Arts

In place of the two semester long classes, students may instead choose to take the year long AP English Literature & Composition.

AP English Literature & Composition (AP Senior English) # – Full Year

Prerequisite: Teacher approval

Grade: 12

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). Students may be required to pay for some supplies and activities. Students will take the AP test in May at a cost of around \$100.

Course Codes: 01006H05012/01006H05022

English Language Arts

Fee: \$10.00

Language Arts Elective (These courses do not count towards the English requirement for graduation.)

Creative Writing – Semester

Prerequisite: None

Grade(s): 9, 10, 11, 12

Creative Writing offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing courses cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

Course Code: 01104G05011

Elective Language Arts

Creative Writing Advanced – Semester

Prerequisite: Teacher approval

Grades: 10, 11, 12

Students will expand and deepen their knowledge and products for a variety of writing including, but not limited to, fiction, nonfiction, poetry and prose through the lens of creating scripts for plays, musicals, films, or other performance art. Focus is both teacher and student directed, producing a writing class unique to each student. Students will learn the workings of putting a publication together as well as seek opportunities for publication.

Course Code: 01104E05011

Elective: Language Arts

Journalism Beg – Full Year

Prerequisite: None

Grade(s): 9, 10, 11, 12

Journalism courses (typically associated with the production of a school newspaper, yearbook, or literary magazine) emphasize writing style and technique as well as production values and organization. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. In Journalism Beginning students focus on reporting and will demonstrate understanding of how to gather information that may be published in print or online media. Instruction will be paired with hands-on lab experiences in community reporting, both verbal and visual. Photography, photojournalism, and digital technology skills may be included. ***A key facet of this class will focus on creating social media content for Lakewood High School, highlighting student involvement.***

Course Code: 11101G05014/11101G05024

Fine Arts

Publication Prod: Yearbook – Full Year

Prerequisite: Teacher Approval

Grade(s): 10, 11, 12

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication. Students apply the basic skills of journalism to prepare, publish, and distribute the school yearbook, Lahian, and literary magazine, Harbinger. Students raise funds for publications by selling advertising and through other fundraisers.

Course Codes: 11104G05034/11104G05044

Elective Language Arts

Strategic Reading 9 – Full Year

Prerequisite: Teacher Approval

Grade: 9

Strategic Reading is intended to improve a student's vocabulary, critical-thinking and analysis skills, and/or reading rate and comprehension level. Although works of fiction are typically emphasized, these courses may also include works of nonfiction (including textbooks). Strategic Reading often has a time-management focus, offering strategies for note-taking, understanding and evaluating the important points of a text.

Course Codes: 01066B05018/01066B05028

Elective Language Arts

Strategic Reading 10 – Full Year

Prerequisite: Teacher Approval

Grade: 10

Strategic Reading is intended to improve a student's vocabulary, critical-thinking and analysis skills, and/or reading rate and comprehension level. Although works of fiction are typically emphasized, these courses may also include works of nonfiction (including textbooks). Strategic Reading often has a time-management focus, offering strategies for note-taking, understanding and evaluating the important points of a text.

Course Codes: 01066B05038/01066B05048

Elective Language Arts

English as a Second Language

Newcomer English Language Arts – Full Year

Prerequisite: WIDA Screener or ACCESS Score of 1-1.5

Grade(s): 9, 10, 11, 12

This course is designed primarily for linguistically diverse newcomers to the US who speak little or no English, have had limited or interrupted formal education, and may not be literate in their home language. Students in this class typically enter with a WIDA language proficiency level of approximately N/A to 1.4. Students will develop foundational English language skills in speaking, listening, reading and writing with particular emphasis on oral language communication, basic literacy skills, plus an introduction to the American school system and culture. This class prepares students to interact with teachers and peers in content area classes and adapt to the American educational system at the secondary level. The curriculum is based on the Colorado Academic Standards (CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

Course Codes: 01008G05018/01008G05028

English Language Arts

Beginning English Language Arts – Full Year

Prerequisite: WIDA Screener or ACCESS Score of 1.5-2.4

Grade(s): 9, 10, 11, 12

This course is designed primarily for linguistically diverse beginners who have completed Newcomer ELA (ESL 1), or are new arrivals to the US who have had formal education and are literate in their home language. They are still in the beginning or early intermediate stages of English language development, and typically enter with a WIDA language proficiency level of approximately 1.5 to 2.4. Through developmentally appropriate literary texts and highly scaffolded instruction, students develop or improve academic English language skills in speaking, listening, reading and writing, with particular emphasis on oral language, literacy, and American culture. This class prepares students to interact with teachers and peers in content area classes and adapt to the American educational system at the secondary level. The curriculum is based on the Colorado Academic Standards (CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

Course Codes: 01008G05038/01008G05048

English Language Arts

Intermediate English Language Arts – Full Year

Prerequisite: WIDA Screener or ACCESS Score 2.5-3.4

Grade(s): 9, 10, 11, 12

This course is designed primarily for linguistically diverse students who have completed Beginning ELA (ESL2), or are new arrivals to the US who have had formal education and are literate in their home language. They possess intermediate level knowledge of academic English in speaking, listening, reading and writing. They typically enter with a WIDA language proficiency level of approximately 2.5 to 3.4. Through developmentally appropriate texts and highly scaffolded instruction, students continue to develop and improve English language skills with emphasis on expanded literacy, critical thinking and oral language skills necessary to interact with teachers and peers at the secondary level. The curriculum is based on the Colorado Academic Standards (CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

Course Codes: 01008G05058/01008G05068

English Language Arts

Advanced English Language Arts – Full Year

Prerequisite: WIDA Screener or ACCESS Score of 3.5 or higher

Grade(s): 9, 10, 11, 12

This course is designed primarily for linguistically diverse students who are in the higher intermediate to advanced stages of English language development. They may have completed Intermediate ELA (ESL 3), or may be new arrivals to the US. Although the students may have advanced oral skills, they struggle with the academic literacy demands of non-sheltered content classes. They typically enter with a WIDA language literacy proficiency level of approximately 3.5 or above. Through scaffolded instruction and developmentally appropriate texts across content areas, students expand their reading comprehension, oral and written expression, and improve the critical thinking and analytical skills necessary to access grade level curriculum at the secondary level. The curriculum is based on the Colorado Academic Standards (CAS), Colorado English Language Proficiency (CELP) Standards, and WIDA performance definitions. Students will receive English Language Arts credit.

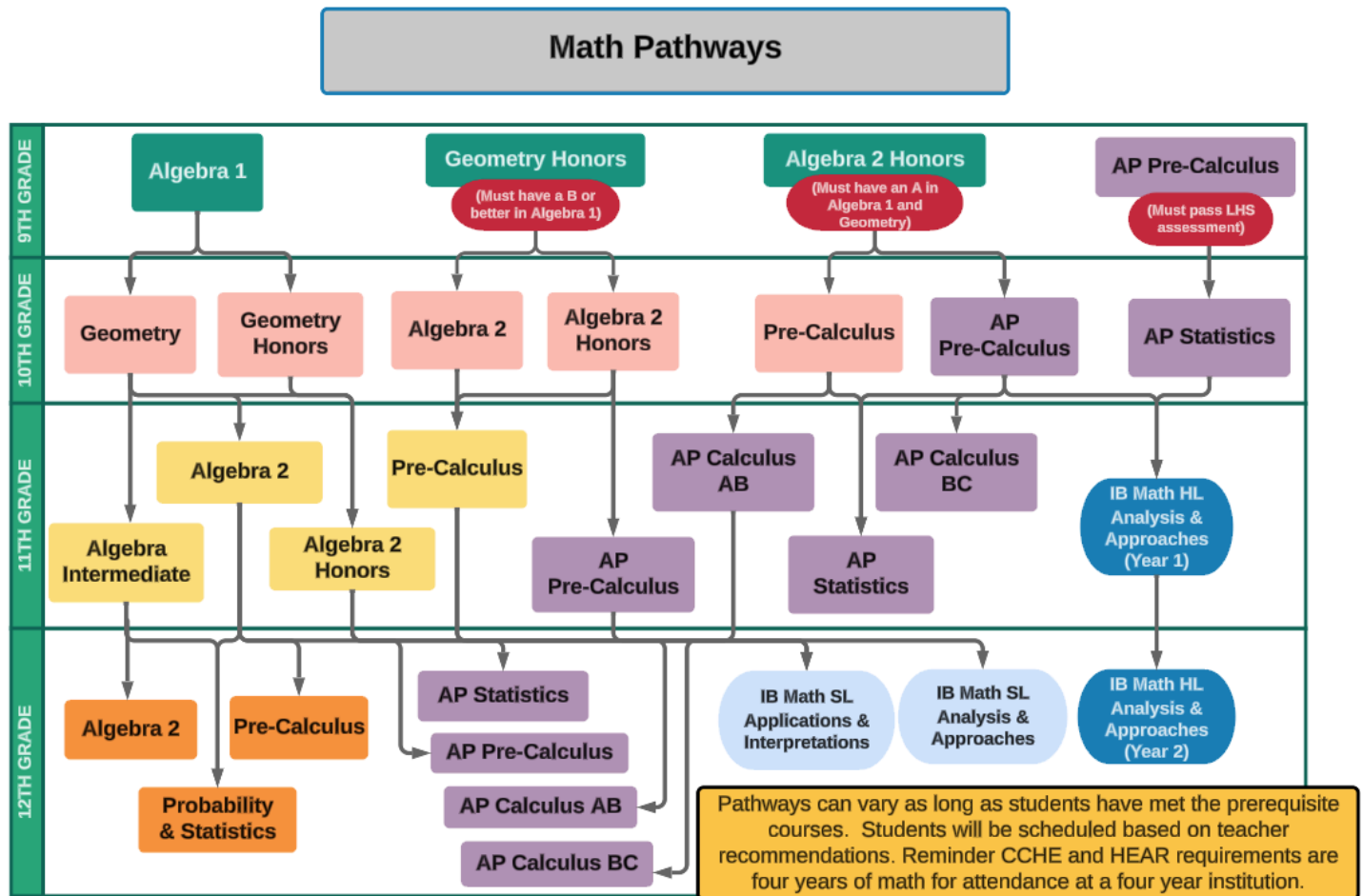
Course Codes: 01008G05078/01008G05088

English Language Arts

Mathematics

**There are a multitude of pathways to earn the 3.0 required credits. The next course for each student is based on student preference, necessary prerequisites, and teacher recommendation in the early part of the second semester each year.

For the IB pathways, please see page 56 of this booklet.**



Algebra I # – Full Year

Prerequisite: None

Grade(s): 9, 10

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Algebra I through the use of a high-quality curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

**This course may be applied towards a STEM Endorsed Diploma

Course Codes: 02052G05014/02052G05024

Mathematics: Algebra I

Geometry # – Full Year

Prerequisite: Successful completion of Algebra 1 (or equivalent)

Grade(s): 9, 10, 11, 12

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Geometry through the use of a high-quality curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

**This course may be applied towards a STEM Endorsed Diploma

Course Codes: 02072G05014/02072G05024

Mathematics: Geometry or Higher

Geometry Honors # – Full Year

Prerequisite: Algebra 1 with a grade of A or B, Teacher approval

Grade(s): 9, 10

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Geometry through the use of a high-quality curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study. The honors designation gives students the opportunity to engage in accelerated pacing, additional content, and applied learning/projects.

**This course may be applied towards a STEM Endorsed Diploma

Course Codes: 02072H05012/02072H05022

Mathematics: Geometry or Higher

Algebra Intermediate – Full Year**Prerequisite:** Teacher approval**Grade(s):** 10, 11, 12

This course introduces the Colorado Academic Standards for Mathematics aligned Algebra II along with strengthening previous Algebra 1 and Geometry Colorado Academic Standards for Mathematics. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:** 02069G05014/02069G05024**Mathematics:** Geometry or Higher**Algebra II # - Full Year****Prerequisite:** Algebra 1 and Geometry with grades of C or better**Grade(s):** 9, 10, 11, 12

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Algebra II through the use of a high-quality curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:** 02056G05012/02056G05022**Mathematics:** Geometry or Higher**Algebra II Honors # – Full Year****Prerequisite:** Algebra 1 and Geometry with grades of A, Teacher approval**Grade(s):** 9, 10, 11, 12

This course covers all of the grade-level Colorado Academic Standards for Mathematics aligned to Algebra II through the use of a high-quality curriculum. Mathematical reasoning, modeling, problem solving and communication are developed throughout the units of study. The honors designation gives students the opportunity to engage in accelerated pacing, additional content, and applied learning/projects.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:** 02056H05012/02056H05022**Mathematics:** Geometry or Higher**Pre-Calculus/Trigonometry # - Full Year****Prerequisite:** Algebra II with a grade of C or better, Teacher approval**Grade(s):** 10, 11, 12

This course combines the study of trigonometry, elementary functions, analytical geometry and math analysis topics as preparation for calculus. Topics include the study of complex numbers, polynomial, logarithmic, exponential, rational, right trigonometric and circular functions and their relations, inverses, and graphs, trigonometric identities and equations, solutions of right and oblique triangles, vectors, parametric equations and their graphs, the polar coordinate system, \ conic sections, and limits. NOTE: This class includes Calculus A topics. TI-83 Plus or TI-84 is required.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:** 02110G05012/02110G05022**Mathematics:** Geometry or Higher**AP Pre-Calculus # - Full Year****Prerequisite:** Algebra II Honors with a grade of B or better, Teacher approval**Grade(s):** 10, 11, 12

Following the College Board's suggested curriculum designed to parallel college-level precalculus courses, AP Precalculus courses introduce students to mathematical modeling and functions that serve as a foundation for calculus and other college-level mathematics needed for a variety of STEM majors and careers. Topics typically include polynomial & rational functions, exponential and logarithmic functions, trigonometric & polar functions, and functions involving parameters, vectors, and matrices. **Disclaimer: The post-secondary transcript and post-secondary transferability of this course is unknown at this time. There is no guarantee that students who pass the AP exam will receive post-secondary credit in an applicable pathway.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:** 02114H05012/02114H05022**Mathematics:** Geometry or Higher**Fee:** \$10.00**Inferential Probability and Statistics # – Full Year****Prerequisite:** Intermediate Algebra with a grade of C or better, Teacher approval**Grade(s):** 11, 12

This full year course provides a means by which the student will become a more effective communicator through the study of probability and statistics. It focuses deeply on descriptive statistics, with an introduction to inferential statistics. Topics include sample spaces, measures of central tendency, normal curve, sampling techniques, standard deviation, t-test, correlation coefficient, techniques for determining probabilities, and matrix algebra. Students will be able to conduct a hypothesis test for a population mean, a population proportion, and a population variance; construct confidence intervals for population parameters; and conduct regression analysis for variables. Technology will be emphasized through the use of graphing calculators. A TI-83 Plus or TI-84 series is required.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:** 02202G05012/02202G05022**Mathematics:** Geometry or Higher**AP Statistics # – Full Year****Prerequisite:** Successful completion of Algebra II, Teacher approval**Grade(s):** 11, 12

This course follows the College Board's suggested curriculum designed to parallel college-level statistics courses. AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Technology will be emphasized through the use of graphing calculators. A TI-84 series is required. All students are expected to take the AP exam at the approximate cost of \$100.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes:** 02203H05012/02203H05022**Mathematics:** Geometry or Higher**Fee:** \$10.00

AP Calculus AB # – Full Year**Prerequisite: Successful completion of Pre-Calc/Trig, Teacher approval****Grade(s): 11, 12****Course Codes: 02124H05012/02124H05022****Mathematics: Geometry or Higher****Fee: \$10.00**

This course follows the College Board's suggested curriculum designed to parallel college-level calculus courses. AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. This course introduces calculus and includes the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of change problems); and integral calculus (including anti-derivatives, the definite integral and application of integrals). This course relies heavily on the use of a required TI-84 graphing calculator. Supplementary materials may be required. Students are expected to take the AP exam at the approximate cost of \$100.

****This course may be applied towards a STEM Endorsed Diploma******Due to overlapping curriculum, students should not take both AP Calculus classes.****AP Calculus BC # – Full Year****Prerequisite: IBSL, AP Pre-Calculus, Teacher approval****Grade(s): 11, 12****Course Codes: 02125H05012/02125H05022****Mathematics: Geometry or Higher****Fee: \$10.00**

This course follows the College Board's suggested curriculum designed to parallel college-level calculus courses. AP Calculus BC provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus. This course assumes a thorough knowledge of elementary functions, and covers all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations and graphs, polar coordinates and functions, advanced techniques of integration, advanced applications of the definite integral, polynomial approximation and series. This course relies heavily on the use of a required TI-84 graphing calculator (purchase optional). Supplementary materials may be required. Students are expected to take the AP exam at the approximate cost of \$100. This class is taught concurrently with IB Mathematics HL 1: Analysis & Approaches.

****This course may be applied towards a STEM Endorsed Diploma******Due to overlapping curriculum, students should not take both AP Calculus classes.**

Performing and Visual Arts

Visual Arts

2D Arts Beg – Semester

Prerequisite: None

Grade(s): 9, 10, 11, 12

In 2D Arts Beginning, students build on their knowledge of the variety of media, skills, and processes in the 2D arts. Course work incorporates deepening study of specific and specialized 2D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, and reflect on artwork and their processes. Within this context, students will be expected to deepen their understanding of various career opportunities in the 2D arts and the knowledge, skills, and educational requirements for those opportunities. This course may explore Drawing, Painting, Photo, Graphics, Animation, and Printmaking.

Course Code: 05155G05012

Fine Arts

Fee: \$45.00

2D Arts Inter – Semester

Prerequisite: 2D Arts Beg w/ a “C” or above

Grade(s): 9, 10, 11, 12

In 2D Arts Intermediate, students deepen their knowledge of the variety of media, skills, and processes in the 2D arts. Course work incorporates specific, specialized, and self-initiated study of 2D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, reflect on artwork and their processes, and begin to transfer their skills to other opportunities. Within this context, students will be expected to develop a body of work surrounding a common theme. This course may explore more complex processes in Drawing, Painting, Photo, Graphics, Animation, and Printmaking.

Course Code: 05155G05022

Fine Arts

Fee: \$45.00

2D Arts Adv – Semester

Prerequisite: 2D Arts Inter w/ a “C” or above

Grade(s): 10, 11, 12

In 2D Arts Advanced, students deepen their knowledge of the variety of media, skills, and processes in the 2D arts. Course work incorporates specific, specialized, and self-initiated study of 2D media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, reflect on artwork and their processes, and begin to transfer their skills to other opportunities. Within this context, students will explore various career opportunities in the 2D arts and the knowledge, skills, and educational requirements for those opportunities. This course may support student led investigations of specialized processes in Drawing, Painting, Photo, Graphics, Animation, and Printmaking.

Course Code: 05155E05011

Fine Arts

Fee: \$45.00

AP Drawing – Full Year

Prerequisite: 2D Arts; Teacher approval

Grade(s): 11, 12

Designed for students with a serious interest in art, the AP Drawing course enables students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the course typically emphasizes quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of drawing. In this course, students explore representation, abstraction, and experimentation with a variety of drawing materials. All students are expected to take the AP exam consisting of portfolios being submitted in May at a cost of approximately \$100.

Course Codes: 05172H05012/05172H05022

Fine Arts

Fee: \$80.00

AP 2-D Art and Design – Full Year

Prerequisite: 2D Arts or Photo/Graphic Design; Teacher approval

Grade(s): 11, 12

Designed for students with a serious interest in art, the AP 2D Art and Design course enables students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Students are asked to demonstrate proficiency in 2D design using a variety of art forms. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting or printmaking. This type of design involves purposeful decision making about how to use the elements and principles of art in an integrative way with the entire spectrum of ideas.

Course Codes: 05174H05012/05174H05022

Fine Arts/CTE

Fee: \$80.00

Ceramics Beginning – Semester

Prerequisite: None

Grades: 9, 10, 11, 12

Ceramics Beginning is an introduction course that includes instruction in hand-building techniques while exploring the versatility of clay. This class focuses on hand building skills such as pinch, coil and slab methods. Students also will learn about surface decoration and firing possibilities as well as gain an understanding of basic vocabulary of working with clay. Some schools may also introduce the potter's wheel at the beginning level. Additionally, the course incorporates the study of ceramics from a historical, social, and cultural viewpoint as a source of knowledge and inspiration.

Course Code: 05159G05012

Fine Arts

Fee: \$45.00

Ceramics Intermediate – Semester**Prerequisite:** Ceramics Beg with a “C” or better**Grade(s):** 9, 10, 11, 12

Ceramics Intermediate is designed to expand student skills and knowledge in ceramics. Students will explore new mediums and hand building techniques while beginning to develop a personal style. Course may introduce or work to strengthen student skills on the potter's wheel. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art.

Course Code: 05159G05022**Fine Arts****Fee:** \$45.00**Ceramics Advanced – Semester****Prerequisite:** Ceramics Inter with a “C” or better**Grade(s):** 10, 11, 12

Ceramics Advanced is designed to deepen the ceramics knowledge of the student. Students may begin to specialize in a media / process while strengthening skills and developing a body of work that demonstrates a high level of expressiveness. Students will analyze their own work, participate in critiques, and continue to study master artworks as a source of learning and inspiration. This course may be repeated.

Course Code: 05159E05011**Fine Arts****Fee:** \$45.00**Sculpture Beginning – Semester****Prerequisite:** None**Grades:** 9, 10, 11, 12

Sculpture - Beginning is an introduction course where students apply art and design principles to the creation of three-dimensional works. Typically students work with several media (such as clay, wood, metals, textiles and so on), but also may focus on only one medium.

Course Code: 05158G05012**Fine Arts****Fee:** \$50.00**Graphic Design & Illustr Beg– Semester****Prerequisite:** Some computer experience encouraged**Grade(s):** 10, 11, 12

In Graphic Design and Illustration Beginning, students build on their knowledge of the variety of media, skills, and processes in the Graphic Design and Illustration arts. Course work incorporates deepening study of specific and specialized media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, and reflect on artwork and their processes. Within this context, students will be expected to deepen their understanding of various career opportunities in the Graphic Design and Illustration arts and the knowledge, skills, and educational requirements for those opportunities. This course may explore Digital Photography, Graphic Design Arts, Multimedia Arts, and Storyboarding.

Course Code: 11154G05012**Fine Arts/CTE****Fee:** \$30.00**Graphic Design & Illustr Inter****Prerequisite:** Graphic Design with a “C” or better**Grade(s):** 10, 11, 12

In Graphic Design and Illustration Intermediate, students deepen their knowledge of the variety of media, skills, and processes in the Graphic Design and Illustration arts. Course work incorporates specific, specialized, and self-initiated study of media, skills, and processes. Additionally, studio work incorporates adequate time to experiment with the course work, develop personal expressions, reflect on artwork and their processes, and begin to transfer skills to other opportunities. Within this context, students will be expected to develop a body of work surrounding a common theme. This course may explore more complex processes in Digital Photography, Graphic Design Arts, Multi-Media Arts, and Story Boarding.

Course Code: 11154G05022**Fine Arts/CTE****Fee:** \$30.00**Photography Beg– Semester****Prerequisite:** Some computer experience encouraged**Grade(s):** 9, 10, 11, 12

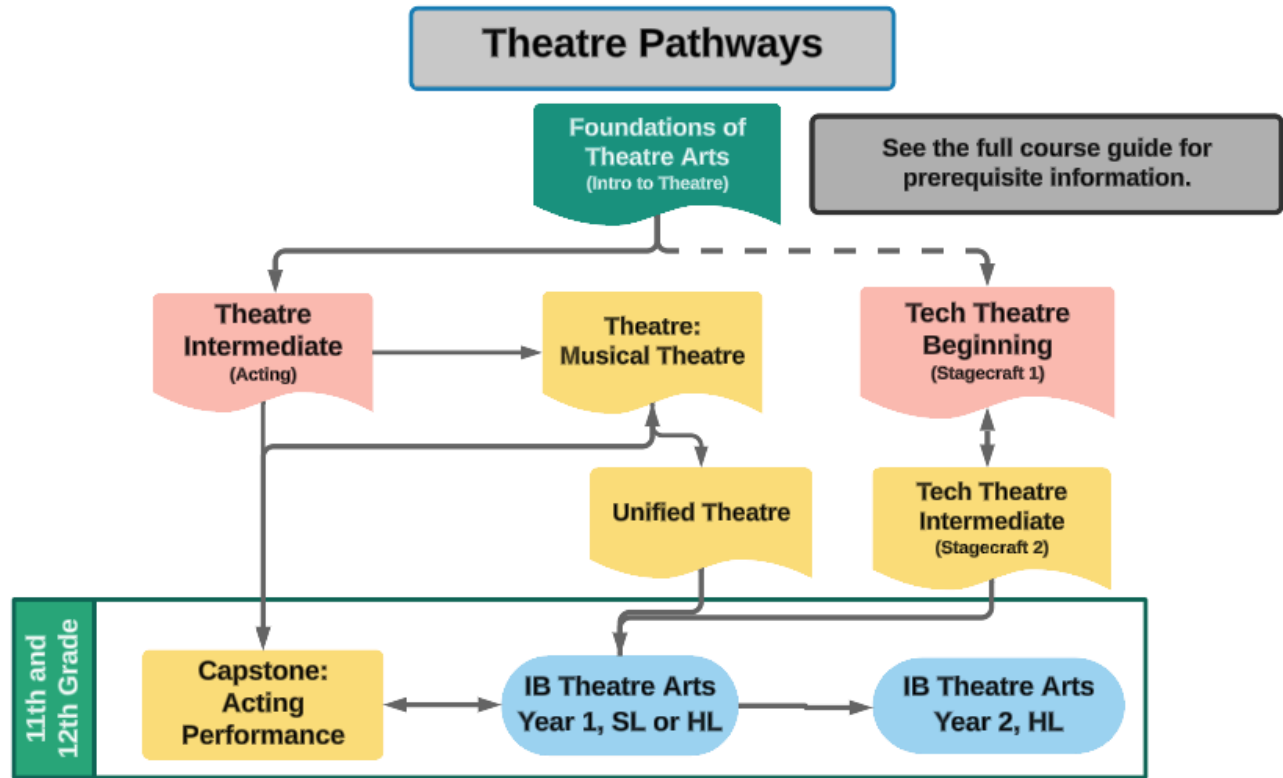
In Photography Beginning, students will receive a fundamental course covering selection, care, maintenance, handling of cameras, film types, light metering, and compositional techniques. Emphasis will be on 35mm SLR camera techniques. Basic darkroom procedures such as film processing, contact printing, and enlarging will be covered. Additionally, this course incorporates the study of photography from a historical, social, and cultural viewpoint as a source of knowledge and inspiration, as well as an exploration of possible photography careers.

Course Code: 05167G05012**Fine Arts/CTE****Fee:** \$40.00**Photography Intermediate – Semester****Prerequisite:** Photography Beg**Grade(s):** 9, 10, 11, 12

Photography Intermediate emphasizes photography as an art form. Students will be encouraged to use photography as a creative and expressive tool through experimental darkroom techniques, multiple image exposure, hand coloring and other expressive processes which are used to produce strong visual images. Additionally, students will learn how to use the zone system for managing film and print exposure. Course work incorporates specific, specialized, and self-initiated study of media, skills, and processes. Studio work incorporates adequate time to experiment with the course work, develop personal expressions, and reflect on artwork and their processes. Students will also analyze their own work as well as study the merits and meanings of contemporary and historical works of art, as well as an exploration of possible photography careers.

Course Code: 05167G05022**Fine Arts/CTE****Fee:** \$60.00

Theatre



Foundations of Theatre Arts – Semester

Prerequisite: None

Grade(s): 9, 10, 11, 12

In Foundations Theatre Arts, students are introduced to the variety of programs and occupations in the arts, audio/video technology, and production. Within this context, students will be expected to develop an understanding of the various and multifaceted career opportunities in this cluster and the knowledge, skills, and educational requirements for those opportunities.

^This course offers concurrent enrollment credit with Red Rocks Community College.

Course Code: 05053G05012

Fine Arts/CTE

Fee: \$15.00

Theatre Inter (Acting) – Semester

Prerequisite: Foundations of Theatre Arts

Grade(s): 9, 10, 11, 12

Theatre Intermediate introduces students to methods of performance and performance-dependent careers. Though performance is a significant part of this course, further topics include financial awareness, promotion and marketing, and management and leadership.

^This course offers concurrent enrollment credit with Red Rocks Community College.

Course Code: 05055G05034

Fine Arts/CTE

Theatre: Music Theatre– Semester

Prerequisite: Foundations of Theatre Arts and Theatre Inter

Grade(s): 10, 11, 12

Musical Theatre is a specialty course that focuses on techniques and material associated with the art of musical theatre. Areas of focus may include ensemble development, choreography, vocal performance and acting. Students involved in this course may participate in public performances. This course prepares students to manage the planning, design, preparation, and production of plays and other theatrical performances. Course content may include instruction in theatrical design, program management, dramatic production, rehearsal management, personnel management and casting, actor coaching, directing concepts and techniques, dramaturgy, script interpretation, business management, marketing, public relations, and communications skills.

^This course offers concurrent enrollment credit with Red Rocks Community College.

Course Code: 05060G05011

Fine Arts/CTE

Capstone: Acting/Performance (Advanced Acting) – Full Year

Prerequisite: Theatre Beg; Audition required

Grade(s): 11, 12

This course allows for individualized, advanced, and/or cumulative work in a program of study. This work is individualized to the student within a specific program of study to allow for specialized study. It may include problem-/project-based learning or preparation for industry certification. The specific content and course design is determined by the instructor, in collaboration with the individual student.

^This course offers concurrent enrollment credit with Red Rocks Community College.

Course Codes: 05055G05012/05055G05022

Fine Arts/CTE

Fee: \$25.00

Technical Theatre Beg– Semester**Prerequisite:** None**Grade(s):** 9, 10, 11, 12

Technical Theatre Beginning introduces methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews.

^This course offers concurrent enrollment credit with Red Rocks Community College.

Course Code: 05056G05014**Fine Arts/CTE****Fee:** \$15.00**Technical Theatre Inter– Semester or Full Year****Prerequisite:** Technical Theatre Beg**Grade(s):** 10, 11, 12

Technical Theatre Intermediate introduces/builds on methods of constructing and painting scenery and properties, operating stage lighting and sound equipment, and implementing costumes and multimedia. This course explores the proper procedures of serving on stage crews.

^This course offers concurrent enrollment credit with Red Rocks Community College.

Course Code: 05056G05034/05056G05044**Fine Arts/CTE****Fee:** \$15.00**IB Theatre Arts (SL or HL) – Full year****Prerequisite:** Teacher approval**Grade(s):** 11, 12

Students will understand the nature of the theatre through study and performance. Students will learn of the major developments and techniques in the history of more than one culture, interpret and illuminate play scripts, understand the art of the stage, perform before an audience, produce work in at least one of the theatrical arts or crafts, understand the processes of theatrical production, and do a theatrical research project.

Course Codes: 05062H05014/05062H05024
05062H05034/05062H05044****Elective:** Language Arts**Fee:** \$15.00**Theatre: Unified Theatre– Semester****Prerequisite:** Teacher approval**Grade(s):** 9, 10, 11, 12

Unified Theatre is designed to partner students with and without significant disabilities through the lens of theatre. The mentor student model will be used so that students will collaborate throughout the semester to develop theatrical skills, social-emotional expression, and creative problem solving. The course will culminate in an evening performance of a Unified Theatre production. All students can expect to build skills in improvisation, characterization, working as an ensemble, and more. Mentor students can also expect to develop skills in leadership, project management, marketing, and direction. This course prepares students to manage the planning, design, preparation, and production of plays and other theatrical performances. Course content may include instruction in theatrical design, program management, dramatic production, rehearsal management, personnel management and casting, actor coaching, directing concepts and techniques, dramaturgy, script interpretation, business management, marketing, public relations, and communications skills. This course will be paired with the Unified Mentor course.

Course Code: 05061G05034**Fine Arts/CTE****Unified Mentor - Theatre – Semester****Prerequisite:** Application and Teacher approval**Grade(s):** 11, 12

Unified mentors will offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula. Students may provide tutorial or instructional assistance to other students. This class is comprised of peer mentors who work with students with special needs that choose to participate in an adapted experience. Mentors are trained by the instructors before beginning contact with the students with disabilities in the class.

Course Code: 22999G05034**Elective****Concurrent Enrollment College Credit through Red Rocks Community College:**

^This class is being offered for free Concurrent Enrollment College Credit through Red Rocks Community College. In order to qualify for Concurrent Enrollment credit, students are expected to complete a post-secondary registration form at their high school. It is the responsibility of the student to check with the college which they are interested in attending, after high school graduation, to verify credit will transfer. These grades will be transcribed on both the Jeffco and Red Rocks Community College transcripts.

If a student wishes to transfer Concurrent Enrollment credit to another college, they must contact the college where they earned credit and request an official transcript.

When students register for this class, the receiving institution will be provided student registration information, such as date of birth, SASID, and IEP/504 information, to verify student's registration in the class. Jeffco will also share student records in accordance with FERPA and policy JRA/JRC with the higher ed institution, including but not limited to education plans and transcripts; the higher ed institution may reach out to the family to discuss appropriate supports

Instrumental Music

Marching Band – Semester (Fall)

Prerequisite: None

Grade(s): 9, 10, 11, 12

Marching Band is intended to develop students' technique for playing brass, woodwind, and percussion instruments and cover appropriate marching band literature styles, primarily for marching performances. Marching Band will be paired with Concert Band/Winds (second semester)

Course Codes: 05103G05011

Fine Arts

Fee: \$60.00 + LPAC Dues

Concert Band/Winds (Wind Symphony) – Semester (Spring)

Prerequisite: Concurrent Enrollment in Marching Band

Grade(s): 9, 10, 11, 12

Wind Symphony is designed to promote more advanced techniques for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances. Members are responsible for the purchase of the ensemble uniform. Students are required to attend all performances and after school rehearsals. Concert Band/Winds will be paired with Marching Band (first semester)

Course Codes: 05102G05056

Fine Arts

Fee: \$40.00/Semester

Concert Band/Symphonic (Symphonic Band) – Full Year

Prerequisite: none

Grade(s): 9, 10, 11, 12

Symphonic Band is designed to promote more intermediate techniques for playing brass, woodwind, and percussion instruments and cover a variety of band literature styles, primarily for concert performances. Members are responsible for the purchase of the ensemble uniform. Students are required to attend all performances and after school rehearsals.

Course Codes: 05102G05036/05102G05046

Fine Arts

Fee: \$40/semester

Instrumental Ensemble (Percussion) – Full Year

Prerequisite: none

Grade(s): 9, 10, 11, 12

Instrumental Ensemble is intended to develop students' technique for playing percussion. Instrumental Ensemble courses cover one or more instrumental ensemble or band literature styles. Students in this class will also be required to play at concerts and also perform with Symphonic Band, Concert Band, and the Full Orchestra. Students do not need to sign up for any of the Concert Bands. *Members are responsible for the purchase of the ensemble uniform. Students are required to attend all performances and after school rehearsals.*

Course Codes: 05106G05012/05106G05022

Fine Arts

Fee: \$40/semester

Instrumental Ensemble Advanced (Percussion) – Semester (Spring)

Prerequisite: Audition Required

Grade(s): 9, 10, 11, 12

Instrumental Ensemble is intended to develop students' technique for playing percussion. Instrumental Ensemble courses cover one or more instrumental ensemble or band literature styles. Students in this class will also be required to play at concerts and also perform with the Wind Symphony and the Full Orchestra. Students do not need to sign up for any of the Concert Bands. *Members are responsible for the purchase of the ensemble uniform. Students are required to attend all performances and after school rehearsals.*

Course Codes: 05106E05012

Fine Arts

Fee: \$40/semester

Orchestra (Concert) – Full year

Prerequisite: None

Grade(s): 9, 10, 11, 12

Orchestra is designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles. This full year class is devoted to the study and performance of intermediate orchestra literature. This ensemble will have the opportunity to perform at concerts and other special events. *Members must purchase the uniform and are required to attend all performances.*

Course Codes: 05104G05014/05104G05024

Fine Arts

Fee: \$80.00

Orchestra Advanced (Symphonic) – Full Year

Prerequisite: Audition Required

Grade(s): 9, 10, 11, 12

Orchestra Advanced courses are designed to develop students' abilities to play string instruments, emphasizing advanced string techniques and covering a variety of string and orchestral literature styles. This is a strings only class. Winds and percussion are added at times for full orchestra instrumentation. This ensemble will have the opportunity to perform at concerts, festivals and other special events. Students are encouraged to audition for Honor orchestras and All-State orchestra. *Members are responsible for the purchase of the ensemble uniform. Students are required to attend all performances.*

Course Codes: 05104E05014/05104E05024

Fine Arts

Fee: \$80.00

Orchestra Chamber – Full Year

Prerequisite: Audition Required

Grade(s): 9, 10, 11, 12

Music Orchestra-Chamber is designed to develop students' abilities to play brass, woodwind, percussion, and string instruments, covering a variety of string and orchestral literature styles. This is a smaller select group, working specifically on literature for the Chamber Ensemble. This ensemble will have the opportunity to perform at concerts, festivals and other special events. Students are encouraged to audition for Honor orchestras and All-State orchestra. *Members are responsible for the purchase of the ensemble uniform. Students are required to attend all performances.*

Course Codes: 05104E05034/05104E05044

Fine Arts

Fee: \$80.00

Guitar (Beginning) – Semester**Prerequisite: None****Grade(s): 9, 10, 11, 12**

Guitar introduces students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. Students will have an opportunity to work individually and in ensembles to perform a wide variety of musical styles and genres. Students are encouraged to bring their own *acoustic* guitar. *The fee covers a guitar methods book.*

Course Code: 05108G05014**Fine Arts****Fee: \$20.00****Guitar (Advanced) – Semester****Prerequisite: Guitar (Intro) or Teacher Approval****Grade(s): 9, 10, 11, 12**

Guitar introduces students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. Students will have an opportunity to work individually and in ensembles to perform a wide variety of musical styles and genres. Students are encouraged to bring their own *acoustic* guitar. Guitar (Advanced) expands on fundamental skills learned in Guitar (Intro). Focused on more advanced techniques, chords, and music theory, this course provides students with a place to explore performing on a deeper and more personal level with expanded opportunities for student choice. *The fee covers a guitar methods book.*

Course Code: 05108G05024**Fine Arts****Fee: \$20.00****Vocal Music****Chorus-Mixed – Full Year****Prerequisite: None (No Audition)****Grade(s): 9, 10, 11, 12**

Chorus-Mixed provides the opportunity to sing a variety of choral literature for mixed voices and is designed to develop vocal techniques and the ability to sing parts.

Course Codes: 05110G05056/05110G05066**Fine Arts****Fee: \$25.00/Semester****Chorus-Mixed Adv (Encore) – Full Year****Prerequisite: Audition Required****Grade(s): 10, 11, 12**

Chorus-Mixed Adv(Encore) provides the opportunity to sing an advanced variety of choral literature for mixed voices and is designed to develop more advanced vocal techniques and the ability to sing parts. Encore is intended to develop advanced vocal techniques and the ability to sing parts in ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize various ensemble literature styles. Members must purchase the ensemble uniform and are required to attend all performances.

Course Codes: 05110E05012/05110E05022**Fine Arts****Fee: \$25.00/Semester****Chorus – Tenor/Bass – Full Year****Prerequisite: Audition Required****Grade(s): 9, 10, 11, 12**

Chorus - Tenor/Bass provides the opportunity to sing a variety of choral literature for tenor and bass voices and is designed to develop vocal techniques and the ability to sing parts. *Members are responsible for the purchase of the ensemble uniform and are required to attend all performances.*

Course Codes: 05110G05016/05110G05026**Fine Arts****Fee: \$25.00/Semester****Vocal Ensemble - Treble (Kaleidoscope) – Full Year****Prerequisite: Audition Required****Grade(s): 10, 11, 12**

Vocal Ensemble - Treble is intended to develop treble voice techniques and the ability to sing parts in small ensemble or madrigal groups. Course goals may include the development of solo singing ability and may emphasize one or several ensemble literature styles. Members must purchase the ensemble uniform and are required to attend all performances.

Course Codes: 05111G05036/05111G05046**Fine Arts****Fee: \$25.00/Semester****Adaptive Music – Semester****Prerequisite: None (No Audition)**

In Adaptive Music, SSN students will learn about the aesthetic value of music and movement in a safe and inclusive environment, without the requirement of public performances. Students will explore singing and using their voices, learning American Folk music. Students will be introduced to percussion and mallet instruments, learning about rhythm, beat, and tying that into some of the American folks songs they have learned. Students will express themselves through movement and dance to a variety of musical genres and experiences. Students will be introduced to world music, listening and watching performances of a variety of multicultural music.

Course Codes: 05149B05011**Fine Arts**

Music Study

Survey of Rock/Music Appreciation – Semester

Prerequisite: No music experience needed

Grade(s): 9, 10, 11, 12

Similar in nature to Music History/Appreciation courses, Survey of Rock/Music Appreciation focuses specifically on students' appreciation of rock music. It is designed to help students explore the world of rock music and to develop an understanding of the importance of music in their lives. In this course, students will explore the cultural, historical, and musical background of American Popular Music, as well as various cultural connections, how music reflects social and cultural awareness, and technological developments that impacted the evolution of popular music.

Course Code: 05118G05011

Fine Arts

Fee: \$15

AP Music Theory – Full Year (Offered every other year)

Prerequisite: Success in instrumental or vocal music; knowledge of all major & minor key

Grade(s): 11, 12

AP Music Theory is designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.

Course Codes: 05114H05012/05114H05022

Fine Arts

Fee: \$50.00

IB Music – Full Year (Offered every other year)

Prerequisite: Success in instrumental or vocal music; knowledge of all major & minor key

Grade(s): 11, 12

IB Music prepares students to take the International Baccalaureate Music exam at either the Standard 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.

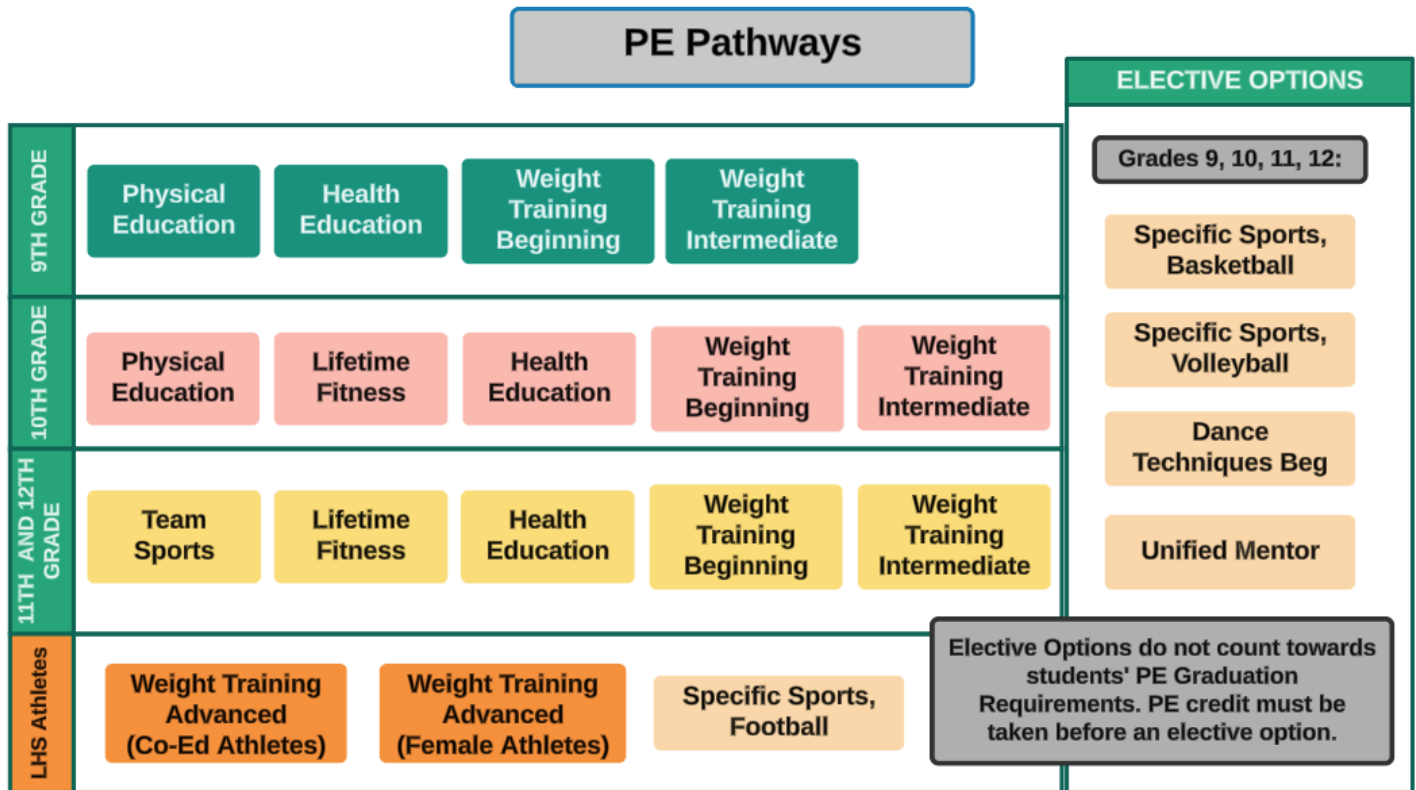
Course Codes: 05115H05014/05115H05024

Fine Arts

Fee: \$50.00

Physical Education

*Students are limited to one physical education class per semester.



Health Education – Semester

Prerequisite: None

Grade(s): 9, 10, 11, 12

Health Education has two components; classroom learning as well as exercise geared for lifetime fitness. In the classroom, students will apply health skills such as, goal setting, advocacy for self and others, and decision making while increasing their knowledge around health behaviors necessary for maintaining a healthy lifestyle. During the exercise component, students will engage in regular physical activity, as well as create and carry out a personalized fitness plan.

Course Codes: 08051G05011

PE Health

Lifetime Fitness Education – Semester

Prerequisite: Physical Education (10th grade)

Grade(s): 10, 11, 12

Lifetime Fitness has two components; classroom learning as well as exercise geared for lifetime physical fitness. In the classroom, students acquire the skills, habits and knowledge necessary for lifelong fitness. Topics include the Physical Activity Pyramid, principles of physical fitness and self-management skills. During the exercise component, students will engage in regular physical activity, as well as create and carry out a personalized fitness plan. *Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate tennis shoes for use in the gym.*

Course Codes: 08016G05012

PE Health

Physical Education – Semester

Prerequisite: None

Grade(s): 9, 10

Physical Education provides students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities. Students develop a personalized fitness plan which includes principles of nutrition. *Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate tennis shoes for use in the gym.*

Course Codes: 08001G05012

PE Health

Team Sports – Semester

Prerequisite: None

Grade(s): 11, 12

Team Sports courses provide students with knowledge, experience, and an opportunity to develop skills in more than one team sport (such as volleyball, basketball, soccer, and so on). *Students are responsible for providing a pair of shorts and a t-shirt, as well as appropriate tennis shoes for use in the gym.*

Course Codes: 08002G05012

PE Health

Weight Training Beginning – Semester or full year**Prerequisite: None****Grade(s): 9, 10, 11, 12**

Beginning Weight Training provides students with introductory knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning. Anatomy and principles of conditioning are addressed. Students develop a personalized weight-training program, which includes principles of nutrition. *Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate shoes for use in the gym.*

Course Codes: 08009G05014/08009G05024**PE Health****Weight Training Inter– Semester or full year****Prerequisite: Weight Training Beginning****Grade(s): 9, 10, 11, 12**

Intermediate Weight Training helps students go beyond the normal work-out. Students are expected to have completed the basic Weight Training class and can demonstrate knowledge of the basics of resistance training techniques and design an individual weight training program which includes principles of nutrition. *Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate shoes for use in the gym.*

Course Codes: 08009G05034/08009G05044**PE Health****Weight Training Advanced (Co-Ed Athletes) – Semester or full year****Prerequisite: L3, JV, or Varsity level athlete****Grade(s): 10, 11, 12**

Advanced Weight Training uses advanced skills and weight training techniques. Students develop a personalized weight-training program, which includes principles of nutrition. This class is designed for the male and female athlete. Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate shoes for use in the gym. **Level 3, JV, and Varsity athletes of all genders are welcome to sign up for this class.**

Course Codes: 08009E05012**PE Health****Weight Training Advanced (Female Athletes) – Semester or full year****Prerequisite: L3, JV, or Varsity level athlete****Grade(s): 10, 11, 12**

Advanced Weight Training uses advanced skills and weight training techniques. Students develop a personalized weight-training program, which includes principles of nutrition. This class is designed for the male and female athlete. Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate shoes for use in the gym. **Female Level 3, JV, and Varsity athletes are welcome to sign up for this class.**

Course Codes: 08009E05022**PE Health****Unified Physical Education – Semester****Prerequisite: Application and Teacher approval****Grade(s): 10, 11, 12**

Adapted Physical Education provides physical education activities (sports, fitness, and conditioning) adapted for students with special needs.

Course Code: 08007B05012/08007B05022**PE Health**

The courses below do not count towards the PE Graduation Requirement and can only be taken after a student has met the Jeffco PE Graduation requirement.

Specific Sports Activities (Basketball) – Semester**Prerequisite: Lifetime Fitness, Fitness/Conditioning or Beg. Weights****Grade(s): 9, 10, 11, 12**

Specific Sports Activities helps students develop knowledge, experience, and skills in a single sport or activity (such as basketball, volleyball, track and field, and equestrian events) other than those coded within this section. This course is primarily designed for students who want to improve their fundamental skills and understanding of the rules in basketball. *Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate tennis shoes for use in the gym.*

Course Codes: 08013G05014**Elective****Specific Sports Activities (Football) – Semester****Prerequisite: Lifetime Fitness, Fitness/Conditioning or Beg. Weights****Grade(s): 9, 10, 11, 12**

Specific Sports Activities helps students develop knowledge, experience, and skills in a single sport or activity (such as basketball, volleyball, track and field, and equestrian events) other than those coded within this section. This course is primarily designed for students who want to improve their fundamental skills and understanding of the rules in basketball. This class is available to students on the Football and Flag Football teams at Lakewood High School. *Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate tennis shoes for use in the gym.*

Course Codes: 08013G05044**Elective****Specific Sports Activities (Volleyball) – Semester****Prerequisite: Lifetime Fitness, Fitness/Conditioning or Beg. Weights****Grade(s): 9, 10, 11, 12**

Specific Sports Activities helps students develop knowledge, experience, and skills in a single sport or activity (such as basketball, volleyball, track and field, and equestrian events) other than those coded within this section. This course is primarily designed for students who want to improve their fundamental skills and understanding of the rules in basketball. *Students are responsible for providing a pair of shorts & a t-shirt, as well as appropriate tennis shoes for use in the gym.*

Course Codes: 08013G05034**Elective**

Dance Techniques Beg– Semester

Prerequisite: Physical Education or Beg. Weights

Grade(s): 9, 10, 11, 12

Dance Technique courses provide students with experience in one or several dance forms (i.e., modern, jazz, ballet, and tap). Basic techniques and performance styles are introduced.

Course Codes: 05001G05012

Elective

Unified Mentor – Physical Education – Semester

Prerequisite: Application and Teacher approval

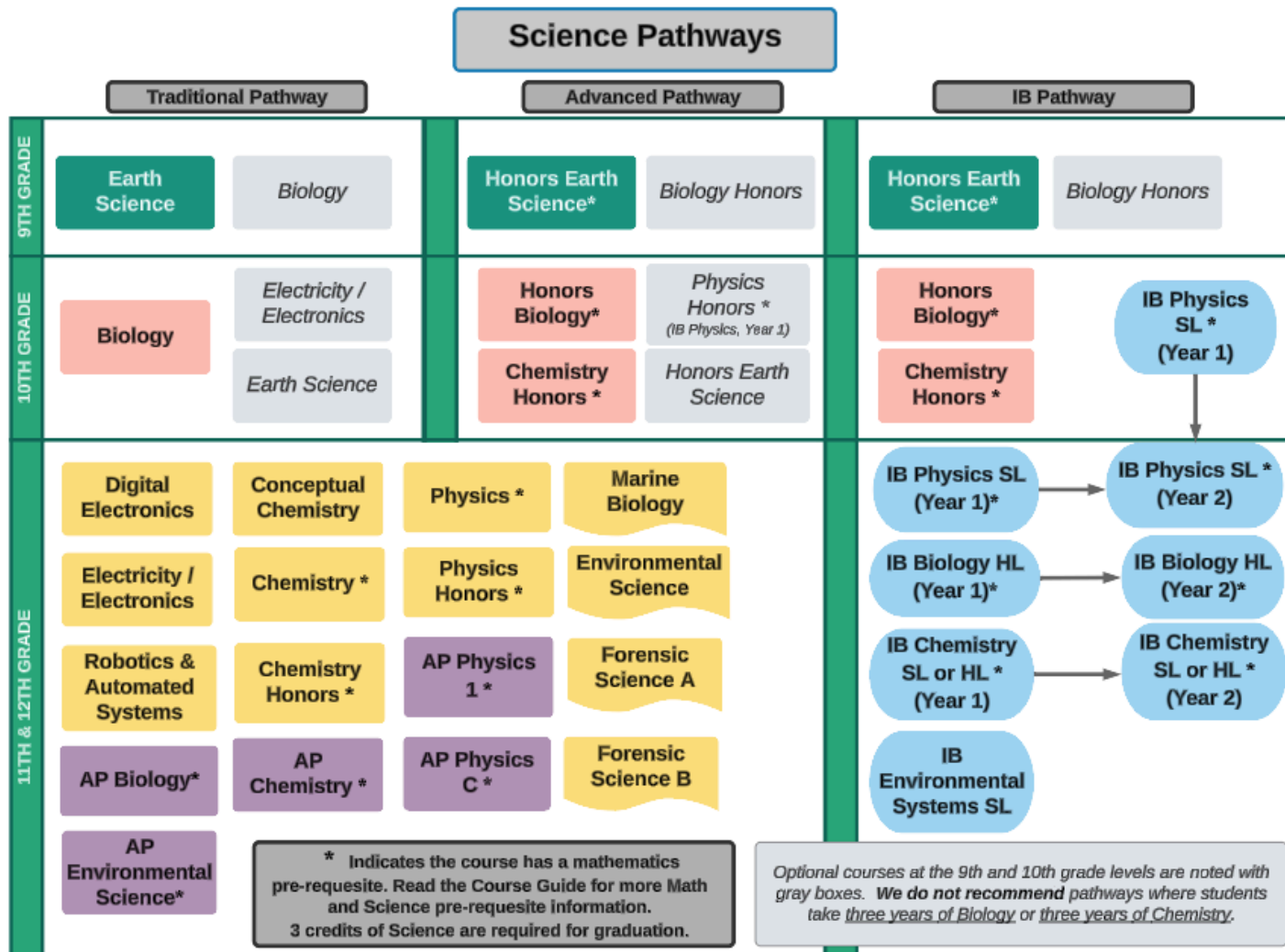
Grade(s): 11, 12

Students may provide tutorial or instructional assistance to other students. This class is comprised of peer coaches who work with special needs students that need an adapted physical education experience. Coaches are trained by the instructors before beginning contact with the special needs athletes in the class.

Course Code: 22999G05014/22999G05024

Elective

Science



Earth Science # – Full Year

Prerequisite: None

Grade: 9

Earth Science 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. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts, and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma**

Course Code: 03001G05012/03001G05022

Science

Earth Science Honors # – Full year

Prerequisite: "B" or better in previous science and math courses

Grade: 9

For Pre-IB and Pre-AP. Earth Science 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. The honors course prepares students for advanced coursework and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts, and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma**

Course Code: 03001H05032/03001H05042

Science

Biology # – Full Year**Prerequisite: None****Grade: 10**

Biology is designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts , and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma****Course Code: 03051G05012/03051G05022****Science****Biology Honors # – Full Year****Prerequisite: “B” or better in previous science courses, Teacher Approval****Grade: 10**

*Biology is designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy. **The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.** Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts , and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.*

****This course may be applied towards a STEM Endorsed Diploma****Course Codes: 03051H05012/03051H05022****Science****AP Biology # – Full Year****Prerequisite: Bio & Chem with “B” or higher (or concurrent w/ Chem); Teacher approval****Grade(s): 11, 12**

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses; AP Biology stresses basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). This course covers 8 specific units: chemistry of life, cell structure and function, cellular energies, cell communication, heredity, gene expression, natural selection and ecology. AP Biology courses include college-level laboratory experiments. Students will take the AP exam at an approximate cost of \$100.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes: 03056H05012/03056H05022****Science****Fee: \$35.00****Marine Biology # - Semester****Prerequisite: None****Grade(s): 11, 12**

A Marine Biology course is a laboratory-based exploration of the oceans and the marine ecosystems found in them. They explore the biology of marine organisms, topography, chemistry, diversity and resources found in the ocean. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts , and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma****Course Code: 03063G05012****Science****Fee: \$15.00****Conceptual Chemistry – Full Year****Prerequisite: None****Grade(s): 11, 12**

Conceptual Chemistry is a practical, non-quantitative chemistry course designed for students who desire an understanding of chemical concepts and applications. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts , and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes: 03105G05012/03105G05022****Science****Chemistry # – Full Year****Prerequisite: Algebra I with a “C” or better; Teacher approval****Grade(s): 11, 12**

Chemistry involves studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gasses; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts , and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma****Course Codes: 03101G05012/03101G05022****Science**

Chemistry Honors # – Full Year**Course Codes: 03101H05012/03101H05022****Prerequisite: “B” or better in previous science courses & Algebra 1; Teacher approval****Grade(s): 10, 11, 12****Science**

Chemistry involves studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gasses; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied. The honors course prepares students for advanced coursework and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts, and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

^This course offers concurrent enrollment credit with Red Rocks Community College.****This course may be applied towards a STEM Endorsed Diploma****AP Chemistry # - Full Year****Course Code: 03106H05012/03106H05022****Prerequisite: Chem. or Honors Chem. with a “B” or better; Teacher approval****Science****Grade(s): 11, 12****Fee: \$35.00**

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Concepts covered may include the structure of matter; bonding and intermolecular forces; chemical reactions; kinetics; thermodynamics; and chemical equilibrium. 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 Chemistry courses include college-level laboratory investigations.

^This course offers concurrent enrollment credit with Red Rocks Community College.****This course may be applied towards a STEM Endorsed Diploma****Environmental Science # - Semester****Course Code: 03003G05012****Prerequisite: None****Science****Grade(s): 11, 12**

Environmental Science 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. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts, and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma****AP Environmental Science # – Full Year****Course Codes: 03207H05012/03207H05022****Prerequisite: Biology with a “B” or better (Chemistry recommended but not required)****Science****Grade(s): 11, 12****Fee: \$25.00**

AP Environmental Science is 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. Students will take the AP exam at the cost of approximately \$100.

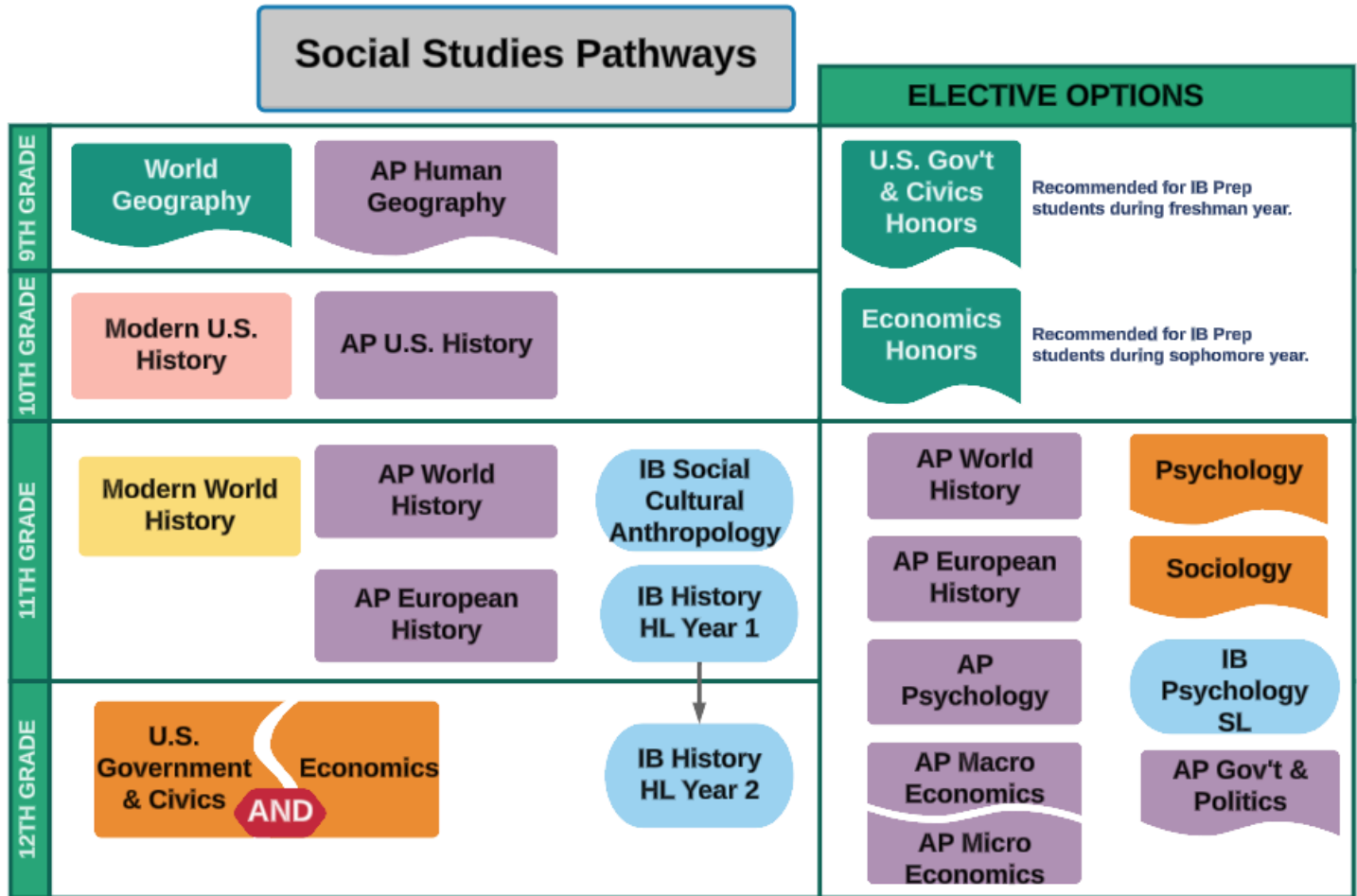
****This course may be applied towards a STEM Endorsed Diploma****Introduction to Forensics - Semester courses or yearlong****Course Codes: 15055G05012/15055G05012****Prerequisite: None****Science****Grade(s): 11, 12****Fee: \$10.00**

Introduction to Forensics examines the philosophical considerations of the integration of forensic science disciplines with criminal investigations. The course encompasses and provides an overview of physical evidence and examines the major forensic sub disciplines of pathology, Health Science, Criminal Justice, and Public Safety Criminal Justice & Public Safety Cluster Course Descriptions 139 | Page toxicology, deontology, anthropology, art, firearms and tool marks, criminalistics, serology, and questioned documents. The second semester of this two-semester course continues to examine the philosophical considerations of the integration of forensic science disciplines with criminal investigations. The course encompasses and provides an overview of physical evidence and examines the major forensic sub disciplines of pathology, toxicology, deontology, anthropology, art, firearms and tool marks, criminalistics, serology, and questioned documents. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts, and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction.

****This course may be applied towards a STEM Endorsed Diploma**

Physics # – Full Year	Course Codes: 03151G05012/03151G05022
Prerequisite: Algebra 1 w/ a “C” or better; Teacher approval	Science
Grade(s): 10, 11, 12	
Physics involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts , and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction. **This course may be applied towards a STEM Endorsed Diploma	
Physics Honors # – Full Year	Course Codes: 03151H05012/03151H05022
Prerequisite: Algebra 1 w/ a “B” or better	Science
Grade(s): 10, 11, 12	
Physics involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. Science courses are required to follow 2020 Colorado Academic Standards which ensure equal emphasis on Science and Engineering Practices, Cross Cutting concepts , and Disciplinary Core Ideas. Students will experience an anchored inquiry model of instruction. **This course may be applied towards a STEM Endorsed Diploma	
AP Physics 1 # – Full Year	Course Codes: 03165H05012/03165H05022
Prerequisite: Concurrent enrollment in Algebra 2 or higher; Teacher approval	Science
Grade(s): 11, 12	
Following the College Board’s suggested curriculum designed to parallel college-level Physics courses, AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry based learning, students will develop scientific critical thinking and reasoning skills. Students take the AP exam at the cost of approximately \$100. Students at LHS focus on the previous topics excluding circuits. **This course may be applied towards a STEM Endorsed Diploma	
AP Physics C # – Full Year	Course Codes: 03156H05014/03156H05024
Prerequisite: Concurrent enrollment in AP Calculus AB, but BC or IB HL 1 is preferred; Teacher approval	Science
Grade(s): 11, 12	
Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C courses primarily focus on 1) mechanics and 2) electricity and magnetism, with approximately equal emphasis on these two areas. AP Physics C courses are more intensive and analytical than AP Physics B courses and require the use of calculus to solve the problems posed. Students take the AP exam at the cost of approximately \$100. Students at LHS will focus on mechanics rather than electricity and magnetism. **This course may be applied towards a STEM Endorsed Diploma	
DC/AC Electricity/Electronics – Full Year	Course Codes: 17108G05012/17108G05022
Prerequisite: none	Science
Grade(s): 10, 11, 12	Fee: \$25
This lab based course will introduce students to the concepts, components, and devices related to both DC and AC electronics. Upon completion of this class, students should understand the concepts of voltage, current, and resistance and various circuit components including conductors, semiconductors, resistors, insulators, and capacitors. Students will understand how these components react in series, parallel, and series-parallel circuits. Students may also be introduced to the available occupations in electrical and electronic industries. **This course may be applied towards a STEM Endorsed Diploma	
Digital Electronics – Full Year	Course Codes: 21008G05012/21008G05022
Prerequisite: Electricity/Electronics	Fine Arts/CTE
Grade(s): 10, 11, 12	Fee: \$25
"Digital Electronics is intended to provide students with an introduction to the basic components of digital electronic systems and equip them with the ability to use these components to design more complex digital systems. Proficient students will be able to (1) describe basic functions of digital components (including gates, flip flops, counters, and other devices upon which larger systems are designed), (2) use these devices as building blocks to design larger, more complex circuits, (3) implement these circuits using programmable devices, and (4) effectively communicate designs and systems. Students develop additional skill in technical documentation when operating and troubleshooting circuits. Upon completion of the Digital Electronics course, students will be able to design a complex digital system and communicate their designs. **This course may be applied towards a STEM Endorsed Diploma	
Robotics & Automated Systems – Full Year	Course Codes:21009G05012/21009G05022
Prerequisite: None	Science
Grade(s): 11, 12	Fee: \$25
Robotics & Automated Systems is an applied course for students who wish to explore how robots and automated systems are used in industry. Upon completion of this course, students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; ethical standards for engineering and technology professions; and testing and maintenance of robots and automated systems. **This course may be applied towards a STEM Endorsed Diploma	

Social Studies



World Geography # – Semester

Prerequisite: None

Grade(s): 9

World Geography is a semester-long course focused on the relationships among people, places, and environments that result in geographic patterns on the earth and examines the basic concepts and processes that shape human geography. Global and local patterns of population, migration, environmental resources, globalization, as well as cooperation and conflict are surveyed and the factors influencing these patterns are discussed. Students will use geographic tools as well as primary and secondary resources to analyze Earth's human systems and physical features to investigate and evaluate relationships between them.

Course Code: 04001G05011

Social Studies: Geography

AP Human Geography # – Semester

Prerequisite: Recommended B in previous course

Grade(s): 9, 10, 11, 12

Following the College Board's suggested curriculum designed to parallel college-level Human Geography courses, AP Human Geography introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth's surface. Students use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and also learn about the methods and tools geographers use in their science and practice. *Students will be expected to take the AP exam at the cost of approximately \$100.*

Course Code: 04004H05012

Social Studies: Geography

Fee: \$10.00

Modern U.S. History # – Full Year

Prerequisite: None

Grade: 10

Modern U.S. History is a year-long course that provides students with an understanding of key concepts of continuity and change, cause and effect, complexity, unity and diversity, and significant ideas in the United States from Reconstruction to the present. Students will use the historical method of inquiry to formulate compelling questions, evaluate primary and secondary sources, analyze and interpret data, and argue for an interpretation defended by textual evidence. Following Colorado statute (C.R.S. 22-1-104.a); this course will include the history, culture, and social contributions of American minorities.

Course Codes: 04103G05012/04103G05022

Social Studies: American History

AP U.S. History # - Full Year**Prerequisite: Successful completion of Honors Social Studies Class****Grade(s): 10, 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History provides students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. Excellent reading and writing skills, along with a strong work ethic and the time to devote to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking, writing, and reading skills. A considerable amount of class-time is spent in critical discussion driven by daily quizzes over assigned reading. Students will be expected to take the AP exam at the cost of approximately \$100.

Course Codes: 04104H05012/04104H05022**Social Studies: American History****Fee: \$10.00****Modern World History # – Full Year****Prerequisite: None****Grade: 11**

World History is a year-long course that provides students with an understanding of key concepts of continuity and change, cause and effect, complexity, unity and diversity, and significant ideas throughout the world from the Renaissance to the present. Students will use the historical method of inquiry to formulate compelling questions, evaluate primary and secondary sources, analyze and interpret data, and argue for an interpretation defended by textual evidence. Following Colorado statute (C.R.S. 22-1-104.7); this course will include Holocaust and Genocide studies including the Armenian Genocide.

Course Codes: 04053G05012/04053G05022**Social Studies: World History****AP World History # – Full Year****Prerequisite: Teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History examines world history from 8000 BCE to the present with the aim of helping students develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted. This course highlights the nature of continuity and change over time in an international context and explores cause and effect relationships. Students will be expected to take the AP exam at the cost of approximately \$100.

Course Codes: 04067H05012/04067H05022**Social Studies: World History****Fee: \$10****AP European History # – Full Year****Prerequisite: Teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level European History courses, AP European History examines European civilization from the High Renaissance period to the recent past and also exposes students to the factual narrative. In addition, this course helps students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing. Students will take the AP exam at the cost of approximately \$100.

Course Codes: 04056H05012/04056H05022**Social Studies: World History****Fee: \$10****U.S. Government and Civics # – Semester****Prerequisite: None****Grade(s): 12**

U.S. Government and Civics is a semester-long course focused on purposes, roles, and limitations of the structures and functions of government as well as the role of civic participation on behalf of citizens. Students will analyze the role of founding principles and documents as they have and continue to apply to the functioning of the U.S. government. Additionally, students will research and formulate positions on local, state, and national issues or policies to participate in a civil society including identifying the appropriate level of government to address specific concerns and exploring the role of individuals in influencing policy such as contacting elected officials, participation in civic organizations, and voting. Following Colorado statute (C.R.S. 22-1-104.a); this course meets the State graduation requirement.

Course Code: 04151G05011**Social Studies: Civics****U.S. Government and Civics Hon # – Semester****Prerequisite: Recommended B in previous course****Grade: 9, 10**

U.S. Government and Civics is a semester-long course focused on purposes, roles, and limitations of the structures and functions of government as well as the role of civic participation on behalf of citizens. Students will analyze the role of founding principles and documents as they have and continue to apply to the functioning of the U.S. government. Additionally, students will research and formulate positions on local, state, and national issues or policies to participate in a civil society including identifying the appropriate level of government to address specific concerns and exploring the role of individuals in influencing policy such as contacting elected officials, participation in civic organizations, and voting. Following Colorado statute (C.R.S. 22-1-104.a); this course meets the State graduation requirement. **The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. It is recommended that IB Prep students sign up for U.S. Government and Civics Honors for their freshman year.**

Course Code: 04151H05011**Social Studies: Civics**

AP U.S. Government and Politics # – Semester
Prerequisite: U.S. Government, Teacher approval
Grade(s): 11, 12

Course Code: 04157H05011
Social Studies: Civics
Fee: \$10

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, this course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The course generally covers the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of the national government, and civil rights and liberties. Students will take the AP exam at the cost of approximately \$100.

Economics # – Semester
Prerequisite: None
Grade: 12

Course Code: 04201G05011
Social Studies: Economics

Economics is a semester-long course in which students will receive an overview of economics as well as personal financial literacy. The overview of economics will address principles of both microeconomics and macroeconomics including topics such as economic systems, market structures, government policies, and globalization and international trade. Personal financial literacy will include learning about individual earning capability, personal investment objectives, consumer skills, and financial risk management strategies. Following Colorado statute (C.R.S. 22-32-135); this course will include content relating to how to assess the affordability of and budget for different options for obtaining a postsecondary degree or credential and how to pay for higher education.

Economics - Honors # - Semester
Prerequisite: Teacher approval
Grade: 9, 10

Course Code: 04201H05011
Social Studies: Economics

Economics is a semester-long course in which students will receive an overview of economics as well as personal financial literacy. The overview of economics will address principles of both microeconomics and macroeconomics including topics such as economic systems, market structures, government policies, and globalization and international trade. Personal financial literacy will include learning about individual earning capability, personal investment objectives, consumer skills, and financial risk management strategies. Following Colorado statute (C.R.S. 22-32-135); this course will include content relating to how to assess the affordability of and budget for different options for obtaining a postsecondary degree or credential and how to pay for higher education. **The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. It is recommended that IB Prep students sign up for Economics Honors for their sophomore year.**

AP Macroeconomics # – Semester (Fall)
Prerequisite: Teacher approval
Grade(s): 11, 12

Course Code: 04204H05011
Social Studies: Economics

Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics. Students will be expected to take the AP exam at the cost of approximately \$100.

AP Microeconomics # – Semester (Spring)
Prerequisite: Honors Economics or AP Macroeconomics
Grade(s): 11, 12

Course Code: 04203H05011
Social Studies: Economics
Fee: \$10.00

Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision-makers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy. Students will be expected to take the AP exam at the cost of approximately \$100.

IB Social and Cultural Anthropology SL # – Full Year
Prerequisite: Successful completion of APUSH, Teacher Approval
Grade(s): 11, 12

Course Code: 04253H05014/04253H05024
Social Studies: World History
Fee: \$10

IB Social Anthropology prepares students to take the International Baccalaureate Social Anthropology exam at either the Standard or Higher level. The course aims to promote students' awareness of underlying patterns and causes of social relationships and systems, preconceptions and assumptions within the social environment, and the use of ethnographic data in creating models, drawing inferences, and making comparisons.

Psychology – Semester
Prerequisite: None
Grade(s): 11, 12

Course Code: 04254G05011
Elective: Social Studies

Psychology introduces students to the study of individual human behavior. Course content typically includes, but is not limited to an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology. Special attention will also be paid to students reflecting on their own behaviors and beliefs.

Sociology – Semester**Prerequisite: None****Grade(s): 11, 12**

Sociology introduces students to the study of human behavior in society. The course provides an overview of sociology, generally including topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

Course Code: 04258G05011**Elective: Social Studies****AP Psychology # – Full Year****Prerequisite: Teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel a college-level psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods that psychologists use in their science and practice. Students will develop an appreciation of psychology both as an academic discipline and as a body of knowledge that is relevant to the student's own life. Students will be expected to take the AP exam at the cost of approximately \$100.

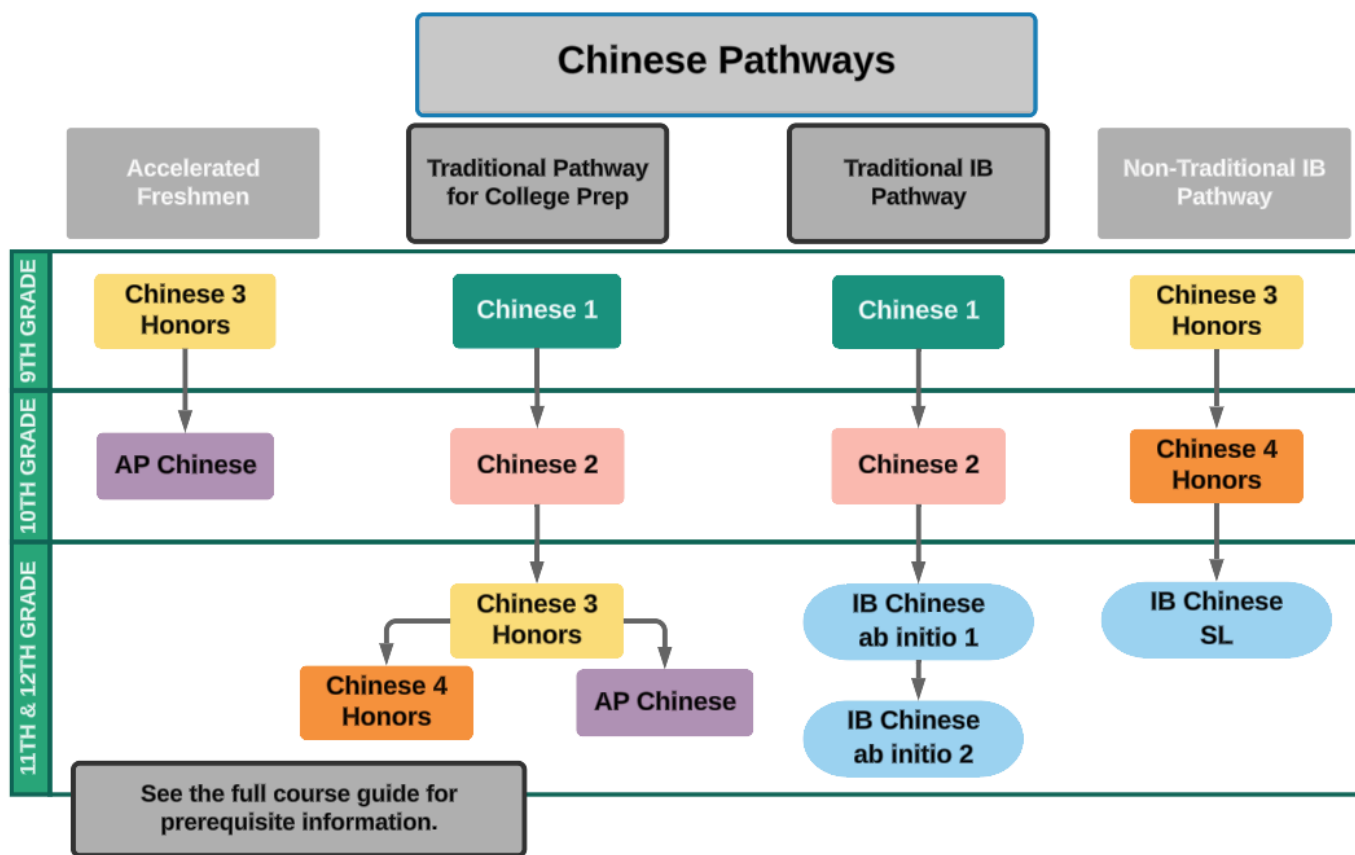
Course Codes: 04256H05012/04256H05022**Elective: Social Studies****Fee: \$10.00****IB Psychology SL # – 1 Full Year****Prerequisite: Acceptance into the IB program****Grade(s): 11, 12**

IB Psychology courses prepare students to take the International Baccalaureate Psychology exams at the Standard 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. Students will be expected to purchase the textbook at an approximate cost of \$65.

Course Codes: 04257H05014/04257H05024**Elective: Social Studies****Fee: \$10.00**

World Languages (Chinese, French, & Spanish)

Chinese



Chinese I # – Full Year

Prerequisite: None

Grades: 9, 10, 11, 12

Designed to introduce students to Chinese language and culture, Chinese I courses emphasize basic syntax, simple vocabulary, written characters, and spoken tones so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Chinese culture is introduced through the art, literature, customs, and history of Chinese-speaking people.

Course Codes: 06401G05012/06401G05022

World Language

Chinese II # – Full Year

Prerequisite: Successful completion of Chinese I

Grades: 10, 11, 12

Chinese II courses build upon skills developed in Chinese I, extending students' ability to understand and express themselves in Chinese and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and phrasing, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Chinese-speaking people to deepen their understanding of the culture(s).

Course Codes: 06402G05012/06402G05022

World Language

Chinese III Hon # – Full Year

Prerequisite: Successful completion of Chinese II

Grades: 11, 12

Chinese III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. This course is taught concurrently with IB Chinese Year 1.

Course Codes: 06403H05012/06403H05022

World Language

Fee: \$10.00 Optional

Chinese IV Hon # – Full Year

Prerequisite: Successful completion of Chinese III
Grades: 12

Chinese IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Chinese language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of language rules and a strong vocabulary. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. This course is taught concurrently with IB Chinese Year 2 and AP Chinese Languages and Culture.

Course Codes: 06404H05012/06404H05022

World Language
Fee: \$10.00 Optional

AP Chinese Languages and Culture # – Full Year

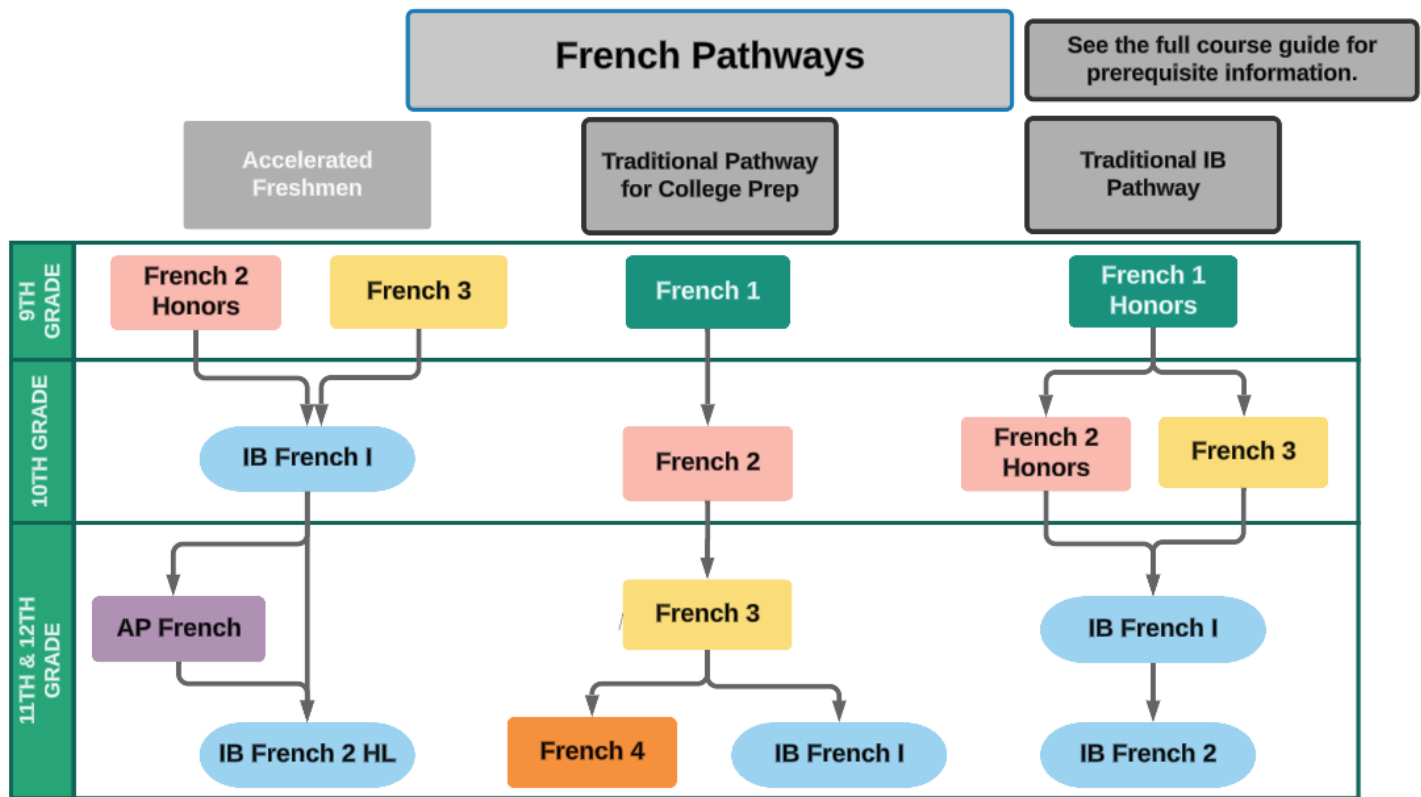
Prerequisite: Successful completion of Chinese III
Grades: 11, 12

Designed by the College Board to parallel fourth semester college-level courses in Mandarin Chinese language, AP Chinese Languages: Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese languages, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese languages. In addition, students explore the culture of Chinese language-speaking people in historical and contemporary contexts. These courses may be used for any Chinese language, including Mandarin and Cantonese.

Course Codes: 06414H05012/06414G05022

World Language
Fee: \$10.00 Optional

French



French I # – Full Year

Prerequisite: None
Grades: 9, 10, 11, 12

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people.

Course Codes: 06121G05012/06121G05022

World Language
Fee: \$5

French I Honors # – Full Year**Prerequisite:** 0-1 year of French; Teacher approval**Grade(s):** 9, 10, 11, 12

Designed to introduce students to French language and culture, French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. French culture is introduced through the art, literature, customs, and history of the French-speaking people. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course.

Course Codes: 06121H05012/06121H05022**World Language****Fee:** \$5**French II # – Full Year****Prerequisite:** Successful completion of French I**Grade(s):** 9, 10, 11, 12

French II courses build upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French speaking people to deepen their understanding of the culture(s).

Course Codes: 06122G05012/06122G05022**World Language****Fee:** \$5**French II Honors # – Full Year****Prerequisite:** 2 years of French or successful completion of French I Honors**Grade(s):** 9, 10, 11, 12

Honors French II courses build upon skills developed in Honors French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of French speaking people to deepen their understanding of the culture(s). Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills are emphasized throughout the course.

Course Codes: 06122H05012/06122H05022**World Language****Fee:** \$5**French III # – Full Year****Prerequisite:** Successful completion of French II or French I Honors**Grade(s):** 9, 10, 11, 12

French III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Course Codes: 06123G05012/06123G05022**World Language****Fee:** \$5**French IV # – Full Year****Prerequisite:** Successful completion of French II or French I Honors**Grade(s):** 9, 10, 11, 12

French V courses extend students' facility with the language so that they are able to understand, initiate, and sustain general conversations on topics beyond basic survival needs. Reading and writing tasks will usually include all normal verb tenses (present, past, and future).

Course Codes: 06125G05012/06125G05022**World Language****Fee:** \$5**IB Language B – French SL # – Year 1 & Year 2****Prerequisite:** Successful completion of French II Honors**Grade(s):** 10, 11, 12

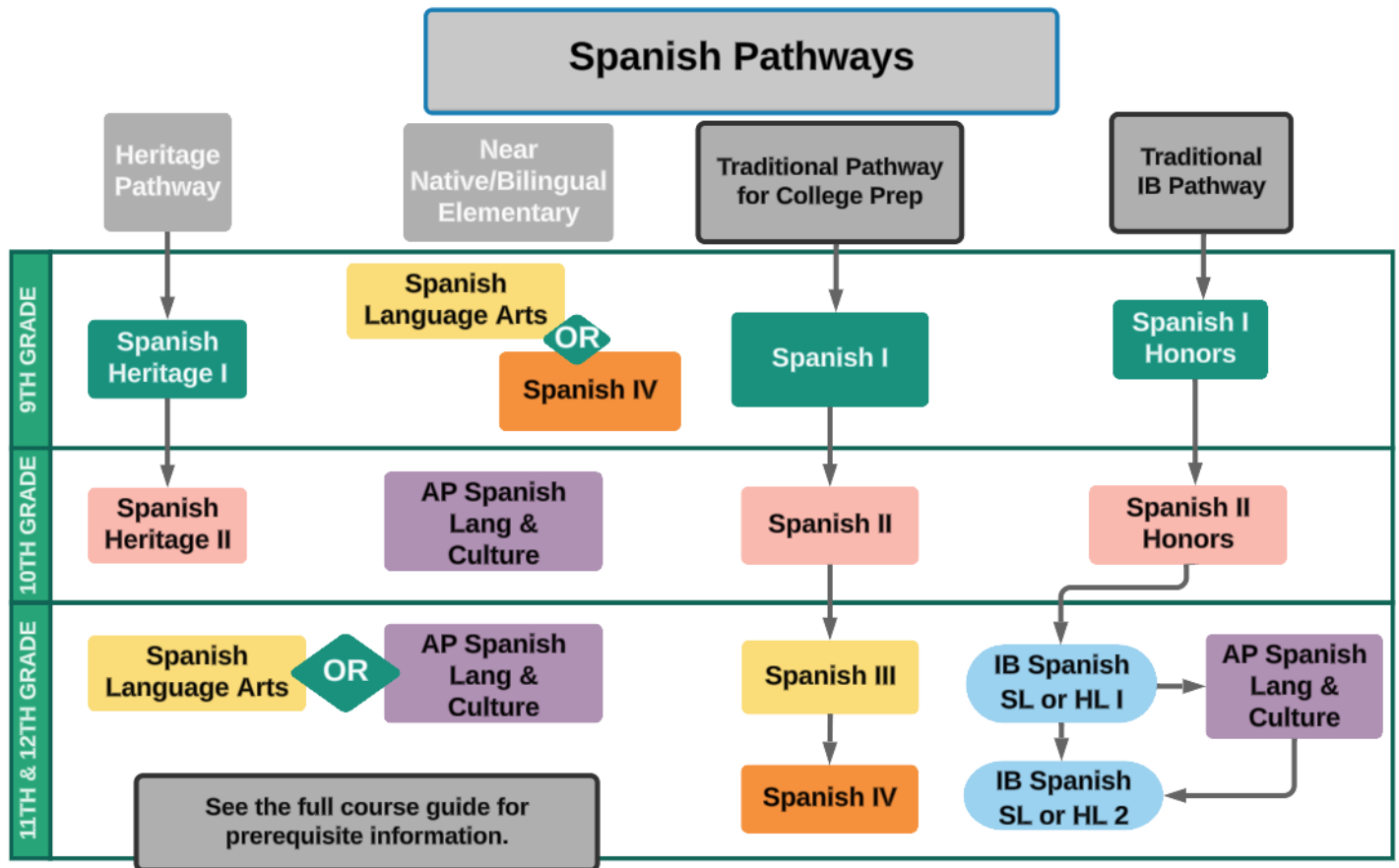
IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication. Students preparing to take the Standard level exam will be able to understand native speakers; students preparing for the higher level exam will read more texts, complete longer and more complex assignments, and have more rigorous assessment standards than students at the standard level.

Course Codes: 06131H05014/06131H05024
06131H05034/06131H05044**World Language****Fee:** \$5**AP French Language # – Full Year****Prerequisite:** French IV, IB Year 1, IB year 2, or Teacher Approval**Grade(s):** 10, 11, 12

Designed to parallel third-year college-level courses in French Composition and Conversation, AP French Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in French) accurately, coherently, and fluently. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, etc. Students will take the AP French exam at an approximate cost of \$100.

Course Codes: 06132H05012/06132H05022**World Language****Fee:** \$5

Spanish



Spanish I # – Full Year
Prerequisite: None
Grade(s): 9, 10, 11, 12

Course Codes: 06101G05012/06101G05022
World Language
Fee: \$12 Optional

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

Spanish I Honors # – Full Year
Prerequisite: 0-1 year of Spanish; Teacher approval
Grade(s): 9, 10, 11, 12

Course Codes: 06101H05012/06101H05022
World Language
Fee: \$12.00 Optional

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people. The honors course prepares students for advanced course work and engages students in enrichment opportunities. Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. *This course will cover 1 1/2 years of Spanish studies.*

Spanish II # – Full Year
Prerequisite: Successful completion of Spanish I
Grade(s): 9, 10, 11, 12

Course Codes: 06102G05012/06102G05022
World Language
Fee: \$12 Optional

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish speaking people to deepen their understanding of the culture(s).

Spanish II Honors # – Full Year**Prerequisite:** Successful completion of Spanish Honors I or 2 years of Spanish**Grade(s):** 9, 10, 11, 12

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish speaking people to deepen their understanding of the culture(s). Rigor is demonstrated through sophistication and acceleration in terms of thought-provoking learning activities, challenging assessments, and more complex text/materials. Diverse interests, cultures, perspectives, learning styles, and intelligences are cultivated and higher level critical and creative thinking skills such as interpretation, problem-solving, investigation, and logic are emphasized throughout the honors course. *This course will cover one and a half years of Spanish studies. Students will move into Spanish IV or IB Spanish I after successful completion of this course.*

Course Codes: 06102H05012/06102H05022**World Language****Fee:** \$12.00 Optional**Spanish III # – Full Year****Prerequisite:** Successful completion of Spanish II**Grade(s):** 9, 10, 11, 12

Spanish III courses focus on having students express increasingly complex concepts both verbally and in writing while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations.

Course Codes: 06103G05012/06103G05022**World Language****Fee:** \$12.00 Optional**Spanish IV # – Full Year****Prerequisite:** Successful completion of Spanish III or Spanish Honors II**Grade(s):** 10, 11, 12

Spanish IV courses focus on advancing students' skills and abilities to read, write, speak, and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

Course Codes: 06104G05012/06104G05022**World Language****Fee:** \$12.00 Optional**Spanish for Heritage Speakers I # – Full Year****Prerequisite:** Teacher approval**Grade(s):** 9, 10, 11, 12

Heritage Spanish serves heritage Spanish-speakers, born or educated in the U.S., and other students whose mother tongue is not Spanish but whose proficiency in Spanish is not fluent. This course is designed to provide students with an active and rewarding learning experience as they strengthen their language skills and develop their cultural competency. This course focuses on real communication in meaningful contexts that develop and consolidate students' speaking, listening, reading, and writing skills. Students completing the first course would take Heritage Spanish II.

Course Codes: 06999G05014/06999G05024**World Language****Fee:** \$38**Spanish for Heritage Speakers II # – Full Year****Prerequisite:** Heritage Speakers I or Teacher Approval**Grade(s):** 9, 10, 11, 12

Spanish for Heritage Speakers II serves heritage Spanish-speakers, born or educated in the U.S., and other students whose mother tongue is not Spanish but whose proficiency in Spanish is not fluent. This course is designed to provide students with an active and rewarding learning experience as they strengthen their language skills and develop their cultural competency. This course focuses on real communication in meaningful contexts that develop and consolidate students' speaking, listening, reading, and writing skills. Students completing this course would take AP Spanish Language or Literature.

Course Codes: 06999G05034/06999G05044**World Language****Fee:** \$38**Spanish Language Arts I # – Full Year****Prerequisite:** Heritage Speakers I or Teacher Approval**Grade(s):** 9, 10, 11, 12

Spanish Language Arts I is designed for students who have had formal instruction in Spanish reading and writing. Students will further develop their academic Spanish reading and writing skills using culturally relevant materials and sources. This course emphasizes Spanish literacy development through the study of various themes such as identity, tourism and travel, science and technology, and healthy living. Students must demonstrate Spanish proficiency to be enrolled in this course. This course meets criteria for Colorado and Jeffco Seal of Biliteracy.

Course Codes: 06109G05014/06109G05024**World Language****Fee:** \$12.00 Optional**AP Spanish Language and Culture # – Full Year****Prerequisite:** Spanish IV or equivalent; Teacher approval**Grade(s):** 11, 12

Designed by the College Board to parallel third-year college-level courses in Spanish Composition and Conversation, AP Spanish Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, etc. Students will take the AP Spanish exam at an approximate cost of \$100.

Course Codes: 06112H05012/06112H05022**World Language****Fee:** \$12.00 Optional

Seal of Biliteracy



Jeffco Seal of Biliteracy Criteria for Demonstration of Proficiency

Jeffco students can earn the Colorado Seal of Biliteracy and/or the Jeffco Seal of Biliteracy depending on what criteria they meet. Please refer to the two sections below for both World Language and English Criteria.

WORLD LANGUAGE CRITERIA

Students must complete one of the following options with the required proficiencies and scores shown:

	Colorado Seal of Biliteracy	Jeffco Seal of Biliteracy
Option 1: For students who have completed coursework in their language(s) ¹	A completion of four years of high-school equivalent world language courses with an unweighted average of 3.0 or higher for those classes.	A completion of four years of high-school equivalent world language courses with an unweighted average of 3.0 or higher for those classes AND a demonstration of oral proficiency at the intermediate-mid level (i.e., AAPPL Oral Speaking/Listening test).
Option 2: For students who do not have 4 years of a WL and/or achieve a 3.0 GPA in that WL OR For students whose language is not offered through coursework	A qualifying test score that includes speaking, listening, reading and writing ² . AP³ = ≥ 3 Languages tested: Chinese, French, German, Italian, Japanese, Latin, and Spanish IB⁴ = ≥ 4 Languages tested: French, German, Spanish, Italian, Japanese, Mandarin Chinese, Polish, Portuguese, and Russian AAPPL = ≥ I-3 Languages tested: Arabic, Chinese (Mandarin), English, French, German, Italian, Japanese, Korean, Portuguese, and Spanish STAMP4S = ≥ 5 Languages tested: Arabic, English, French, German, Hebrew, Hindi, Italian, Japanese, Korean, Mandarin Chinese (simplified/traditional), Polish, Portuguese(Brazilian), Russian, and Spanish	
Option 3: For students without coursework OR a national exam as an option to meet criteria. ⁵	A portfolio-based demonstration of intermediate-mid level proficiency in the three modes of communication: Interpersonal (speaking), Interpretive (reading and listening) and Presentational (speaking and writing). ⁶ Click Here to see a detailed description of portfolio requirements. Please contact Julie Doyle (julie.doyle@jeffco.k12.co.us) for submissions or more information.	

¹ The District Seal Team may consider approval of an accelerated or advanced course of study equal to less than four years.

² Other language exams may be submitted to [Amy Flynn](#) for approval.

³ Advanced Placement Language and Culture Examinations

⁴ International Baccalaureate Exams – Language B Exams: Standards Level (SL) and Higher Level (HL)

⁵ For questions about ASL, please contact [Erin Dewing](#) or [Catherine Baldwin-Johnson](#).

⁶ Please refer to the [Jeffco Seal of Biliteracy](#) Website for intermediate-mid proficiency descriptions.

English/Reading, Writing, & Communicating Criteria

The original Colorado Seal of Biliteracy legislation requires one of four English tests (SAT, ACT, IB, AP) in addition to meeting graduation requirements of 4 years of English with an unweighted average of 3.0 or more in those classes.

Jeffco students can also meet English criteria for Jeffco Seal of Biliteracy by meeting graduation requirements of 4 years of English with an unweighted average of 3.0 or more in those classes AND one of the demonstrations of postsecondary workforce readiness in reading, writing and communicating listed below. Please note which demonstrations apply to the different Seals.

Demonstration	Score	Seal Type
AAPPL	≥ 1-3	Colorado and Jeffco
Accuplacer Next	241 Reading & 236 Writing	Colorado and Jeffco
ACT (English Section)	≥ 18	Colorado and Jeffco
ACT Work Keys (Either English or Spanish)	Bronze Level	Jeffco
AP English Language/Literature and Composition	≥ 3	Colorado and Jeffco
AP English Language/Literature and Composition	≥ 2	Jeffco
ASVAB (English)	31	Jeffco
Capstone ⁷	Completed	Jeffco
Concurrent Enrollment (see list for approved courses)	≥ C	Jeffco
IB English A, English Lit. A, English A1	≥ 4	Colorado and Jeffco
Industry Certificate ⁸	Completed	Jeffco
SAT (English Section)	≥ 470	Colorado and Jeffco

Special Electives

Freshman Study Hall – Full Year

Prerequisite: None

Grade(s): 9

Study Hall courses provide students with the opportunity and time to complete classroom assignments or school projects. Students typically work on their own, without the help of a tutor; however, they are supervised and usually remain in the classroom. Peer Mentors provide engaging and enriching social emotional learning during this time. Students complete MAP testing, course registration, and ICAP lessons during Study Hall. All freshmen are required to take Study Hall.

Course Code: 22006G05014/22006G05024

Elective

Peer Mentoring (9th Grade Mentor) – Full Year or Semester

Prerequisite: Counselor approval

Grade(s): 11, 12

Students will work as peer-counselors one period per day during Freshman Study Hall. They provide engaging and enriching social emotional learning with appropriate training provided.

Course Codes: 22999G05039/22999G05049

Elective

Miscellaneous-Aide – Semester

Prerequisite: Approved Contract

Grade(s): 11, 12

Miscellaneous—Aide courses offer students the opportunity to assist instructors in preparing, organizing, or delivering course curricula or to assist other staff members in fulfilling their duties. Students may provide tutorial or instructional assistance to other students.

Course Code: 22995G02511

Elective

Tutoring Practicum (Peer Tutor) – Full Year or Semester

Prerequisite: Counselor approval

Grade(s): 11, 12

Tutoring Practicum courses provide students with the opportunity to offer tutorial assistance to their peers or to younger students. After an initial training period during which students learn how to work with other students and how to make use of the available resources (e.g., staff, written material, audiovisual aids, and so on), students engage in tutoring and assisting others who need or request help. These students will be working in the tutoring center.

Course Code: 22054G05012/22054G05022

Elective

On-the-Job Experience – Semester

Prerequisite: Counselor approval

Grade(s): 11, 12

On-the-Job Experience is a semester-long course designed for the student who is already employed or seeking employment in an entry level position. Students enrolled in this course will be expected to maintain continuous employment throughout the duration of the course. Failure to remain employed will result in a withdrawal from the course or failing the course completely.

Course Codes: 22998G05012/22998G05022

Elective

Students will be required to submit work logs, schedules, employer evaluations and paycheck stubs to verify the paid work experience. Every student will need to complete a minimum of 100 hours of logged work experience to pass the course and earn a .50 CEU. For additional information on this course and any additional expectations, please contact your counselor. Students can be employed during the school day or after school hours or a combination depending on the type of work the student is doing. For assistance with employment opportunities, the student or counselor can seek assistance from the Jeffco Career Links Team.

Executive Internship – Semester

Prerequisite: Counselor approval

Grade(s): 9, 10, 11, 12

The Executive High School Internship (EHSI) program offers seniors from Jefferson County high schools an opportunity to earn high school credit and gain experience in a chosen professional/technical career under the supervision of an experienced employer before going to college. Interns are accepted after completing an application/interview process in the spring of their junior year. Interns complete 100 hours of non-paid intern experience for .5 elective credits during a semester of their senior year. CREDIT is awarded by Warren Tech.

Course Code: 22998G02521

Fine Arts/CTE

Internship – Semester

Prerequisite: Counselor approval

Internship provides students with work experience in a field related to their interests. 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.

Course Code: 22998G05031

Elective

Student Government (Student Senate) – Full Year

Prerequisite: Elected by student body

Grade(s): 9, 10, 11, 12

Leadership courses are designed to strengthen students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics. Our Student Senate is an elected group representing the student body. All senators (except freshmen) are elected in May for the following year. Freshmen are elected in December for the second semester.

Course Code: 22101G05012/22101G05022

Elective

Outdoor Ed Lab

Prerequisite: Counselor approval, completed application, and interview. 2.5 GPA w/ good attendance

Grade(s): 11, 12

Juniors and seniors who assist elementary schools as high school leaders at one of the Outdoor Education Laboratory Schools for one week receive one-half credit for their experience. Students will work with elementary classroom teachers during planning and preparation, must attend an on-site High School Leaders Training Workshop, and will assist with teaching small groups of sixth graders, supervising dormitory/cabin and cafeteria activities, and carrying out other duties during the week on-site. Community Service or CAS credit may be given in lieu of academic credit. A mandatory annual recruitment meeting will be in April for leaders for the following school year.

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**HANDS-ON
PROGRAMS**



13,000

**FREE/REDUCED
COLLEGE CREDIT**



21

**INDUSTRY
CERTIFICATIONS**

CENTRAL CAMPUS

- Advanced 3D Printing
- Auto Collision Repair & Customization
- Automotive Technology
- Building Trades
- Business Administration
- Computer Science & Cybersecurity
- Cosmetology - Esthetics
- Cosmetology- Hairstyling
- Cosmetology - Nail Technology
- Culinary Arts
- Dental Assisting
- Education & Leadership
- Engineering: Design & Build
- Fire Science & First Responder
- Game Development
- Graphic Design & Illustration
- Horticulture
- Outdoor Leadership
- Precision Machining
- Welding
- Resort & Event Management

NORTH CAMPUS

- Criminal Justice
- Emergency Medical Services
- Forensic Science
- Medical Assisting
- Introduction to Nursing
- Physical Therapy
- Sports Medicine

SOUTH CAMPUS

- Aircraft Maintenance Technology
- Audio & Music Production
- Aviation Technology
- Film & Media Arts
- Live Sound & Event Production



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**ROUND 1 WINDOW
DEC 5, 2024 - JAN 17, 2025**

Postsecondary Enrollment Options

Juniors and seniors are eligible to apply for college courses. Each student considering enrollment in postsecondary courses will meet with his/her counselor to discuss whether the student is in need of course work at a higher level than what is available at the student's school. A student must be pre-approved at least 60 days prior to the anticipated college enrollment on forms provided by the high school or online.

Students who are enrolled in post-secondary courses pursuant to this policy shall be required to pay tuition for up to two courses per academic term, approved in advance, for high school credit. Students are responsible for all expenses related to the enrollment in the course, and the district shall not provide or pay for any related materials or transportation.

Advanced Placement

AP gives students the chance to tackle college-level work while they're still in high school—whether they're learning online or in the classroom. And through taking AP Exams, students can earn college credit and placement. Students may take up to four AP courses per year. Students who wish to take more than four AP courses must meet with their counselor prior to registration. Students who wish to drop an AP class must submit an AP Drop Form by the given semester deadline. A committee consisting of Administration and Counselors determine which requests are approved or denied. Students attend their courses as they wait to hear if the request is approved or denied. Thoughtful registration is necessary as requests to drop AP courses may be denied.

English Language Arts

AP English Language & Composition (AP Junior English) # – Full Year

Prerequisite: Teacher approval English

Grade: 11

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. Students will take the AP test in May at a cost of around \$100.

Course Codes: 01005H05012/01005H05022

Language Arts

Fee: \$10.00

AP English Literature & Composition (AP Senior English) # – Full Year

Prerequisite: Teacher approval

Grade: 12

Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). Students may be required to pay for some supplies and activities. Students will take the AP test in May at a cost of around \$100.

Course Codes: 01006H05012/01006H05022

English Language Arts

Fee: \$10.00

Mathematics

AP Pre-Calculus # - Full Year

Prerequisite: Algebra II Honors with a grade of A or B, Teacher approval

Grade(s): 10, 11, 12

Following the College Board's suggested curriculum designed to parallel college-level precalculus courses, AP Precalculus courses introduce students to mathematical modeling and functions that serve as a foundation for calculus and other college-level mathematics needed for a variety of STEM majors and careers. Topics typically include polynomial & rational functions, exponential and logarithmic functions, trigonometric & polar functions, and functions involving parameters, vectors, and matrices. **Disclaimer: The post-secondary transcript and post-secondary transferability of this course is unknown at this time. There is no guarantee that students who pass the AP exam will receive post-secondary credit in an applicable pathway. **This course may be applied towards a STEM Endorsed Diploma

Course Codes:02114H05012/02114H05022

Mathematics: Geometry or Higher

Fee: \$10.00

AP Statistics # – Full Year

Prerequisite: Successful completion of Algebra II, Teacher approval

Grade(s): 11, 12 **Fee:** \$10.00

This course follows the College Board's suggested curriculum designed to parallel college-level statistics courses. AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. All students are expected to take the AP exam at the approximate cost of \$100.

Course Codes: 02203H05012/02203H05022

Mathematics: Geometry or Higher

AP Calculus AB # – Full Year**Prerequisite: Successful completion of Pre-Calc/Trig, Teacher approval****Grade(s): 11, 12****Course Codes: 02124H05012/02124H05022****Mathematics: Geometry or Higher****Fee: \$10.00**

This course follows the College Board's suggested curriculum designed to parallel college-level calculus courses. AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. This course introduces calculus and includes the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of change problems); and integral calculus (including anti-derivatives, the definite integral and application of integrals). This course relies heavily on the use of the TI-89 graphing calculator (purchase optional). Supplementary materials may be required. Students are expected to take the AP exam at the approximate cost of \$100.

**Due to overlapping curriculum, students should not take both AP Calculus classes.

AP Calculus BC # – Full Year**Prerequisite: IBSL, AP Pre-Calculus, Teacher approval****11, 12****Course Codes: 02125H05012/02125H05022****Mathematics: Geometry or Higher****Grade(s):****Fee: \$10.00**

This course follows the College Board's suggested curriculum designed to parallel college-level calculus courses. AP Calculus BC provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications, and also requires additional knowledge of the theoretical tools of calculus. This course assumes a thorough knowledge of elementary functions, and covers all of the calculus topics in AP Calculus AB as well as the following topics: vector functions, parametric equations and graphs, polar coordinates and functions, advanced techniques of integration, advanced applications of the definite integral, polynomial approximation and series. This course relies heavily on the use of the TI-89 graphing calculator (purchase optional). Supplementary materials may be required. Students are expected to take the AP exam at the approximate cost of \$100. **Due to overlapping curriculum, students should not take both AP Calculus classes.

Visual Arts**AP Drawing – Full Year****Prerequisite: Creative Art – Drawing & Painting; Teacher approval****Grade(s): 11, 12****Course Codes: 05172H05012/05172H05022****Fine Arts****Fee: \$80.00**

Designed for students with a serious interest in art, the AP Drawing course enables students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Given the nature of the AP evaluation, the course typically emphasizes quality of work, attention to and exploration of a particular visual interest or problem, and breadth of experience in the formal, technical, and expressive aspects of drawing. In this course, students explore representation, abstraction, and experimentation with a variety of drawing materials. All students are expected to take the AP exam consisting of portfolios being submitted in May at a cost of approximately \$100.

AP 2-D Art and Design – Full Year**Prerequisite: Creative Art – Draw/Paint or Photo/Graphic Design; Teacher approval****Grade(s): 11, 12****Course Codes: 05174H05012/05174H05022****Fine Arts/CTE****Fee: \$80.00**

Designed for students with a serious interest in art, the AP 2-D Art and Design course enables students to refine their skills and create artistic works to be submitted to the College Board for evaluation. Students are asked to demonstrate proficiency in 2D design using a variety of art forms. These could include, but are not limited to, graphic design, typography, digital imaging, photography, collage, fabric design, weaving, illustration, painting or printmaking. This type of design involves purposeful decision making about how to use the elements and principles of art in an integrative way. All students are expected to take the AP exam consisting of portfolios being submitted in May at a cost of approximately \$100.

Music Study**AP Music Theory – Full Year (Offered every other year)****Prerequisite: Success in instrumental or vocal music; knowledge of all major & minor key****Grade(s): 11, 12****Course Codes: 05114H05012/05114H05022****Fine Arts****Fee: \$50.00**

AP Music Theory is designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.

Science

AP Biology # – Full Year

Prerequisite: Bio & Chem with “B” or higher (or concurrent w/ Chem); Teacher approval

Grade(s): 11, 12

Course Codes: 03056H05012/03056H05022

Science

Fee: \$35.00

Adhering to the curricula recommended by the College Board and designed to parallel college level introductory biology courses; AP Biology stresses basic facts and their synthesis into major biological concepts and themes. These courses cover three general areas: molecules and cells (including biological chemistry and energy transformation); genetics and evolution; and organisms and populations (i.e., taxonomy, plants, animals, and ecology). This course covers 8 specific units: chemistry of life, cell structure and function, cellular energies, cell communication, heredity, gene expression, natural selection and ecology. AP Biology courses include college-level laboratory experiments. Students will take the AP exam at an approximate cost of \$100.

AP Chemistry # - Full Year

Prerequisite: Chem. or Honors Chem. with a “B” or better, completion of Algebra II; Teacher approval

Grade(s): 11, 12

Course Code: 03106H05012/03106H05022

Science

Fee: \$35.00

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Concepts covered may include the structure of matter; bonding of intermolecular forces; chemical reactions; kinetics; thermodynamics; and chemical equilibrium. 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 Chemistry courses include college-level laboratory investigations.

^This course offers concurrent enrollment credit with Red Rocks Community College.

AP Environmental Science # – Full Year

Prerequisite: Biology with a “B” or better (or concurrent enrollment in Chemistry)

Grade(s): 11, 12

Course Codes: 03207H05012/03207H05022

Science

Fee: \$25.00

AP Environmental Science is 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. Students will take the AP exam at the cost of approximately \$100.

AP Physics 1 # – Full Year

Prerequisite: Concurrent enrollment in Algebra 2 or higher; Teacher approval

Grade(s): 11, 12

Course Codes: 03165H05012/03165H05022

Science

Following the College Board’s suggested curriculum designed to parallel college-level Physics courses, AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry based learning, students will develop scientific critical thinking and reasoning skills. Students take the AP exam at the cost of approximately \$100.

AP Physics C # – Full Year

Prerequisite: Concurrent enrollment in AP Calculus AB, but BC or IB HL 1 is preferred; Teacher approval

Grade(s): 11, 12

Course Codes: 03156H05014/03156H05024

Science

Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C courses primarily focus on 1) mechanics and 2) electricity and magnetism, with approximately equal emphasis on these two areas. AP Physics C courses are more intensive and analytical than AP Physics B courses and require the use of calculus to solve the problems posed. Students take the AP exam at the cost of approximately \$100.

Social Studies

AP Human Geography # – Semester

Prerequisite: Recommended B in previous course

Grade(s): 9, 10, 11, 12

Course Code: 04004H05012

Social Studies: Geography

Fee: \$10.00

Following the College Board’s suggested curriculum designed to parallel college-level Human Geography courses, AP Human Geography introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth’s surface. Students use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and also learn about the methods and tools geographers use in their science and practice. *Students will be expected to take the AP exam at the cost of approximately \$100.*

AP U.S. History # - Full Year**Prerequisite: Successful completion of Honors Social Studies Class****Grade(s): 10, 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History provides students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past. Excellent reading and writing skills, along with a strong work ethic and the time to devote to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking, writing, and reading skills. A considerable amount of class-time is spent in critical discussion driven by daily quizzes over assigned reading. Students will be expected to take the AP exam at the cost of approximately \$100.

Course Codes: 04104H05012/04104H05022**Social Studies: American History****Fee: \$10.00****AP World History # – Full Year****Prerequisite: Teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level World History courses, AP World History examines world history from 8000 BCE to the present with the aim of helping students develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted. This course highlights the nature of continuity and change over time in an international context and explores cause and effect relationships. Students will be expected to take the AP exam at the cost of approximately \$100.

Course Codes: 04057H05012/04057H05022**Social Studies: World History****Fee: \$10****AP European History # – Full Year****Prerequisite: Teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level European History courses, AP European History examines European civilization from the High Renaissance period to the recent past and also exposes students to the factual narrative. In addition, this course helps students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing. Students will take the AP exam at the cost of approximately \$100.

Course Codes: 04056H05012/04056H05022**Social Studies: World History****Fee: \$10****AP U.S. Government and Politics # – Semester****Prerequisite: U.S. Government, Teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses, this course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The course generally covers the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of the national government, and civil rights and liberties. Students will take the AP exam at the cost of approximately \$100.

Course Code: 04157H05011**Social Studies: Civics****Fee: \$10****AP Microeconomics # – Semester****Prerequisite: Concurrent enrollment in AP Macroeconomics****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level microeconomics, AP Microeconomics courses provide students with a thorough understanding of the principles of economics that apply to the functions of individual decision-makers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy. Students will be expected to take the AP exam at the cost of approximately \$100.

Course Code: 04203H05011**Social Studies: Economics****Fee: \$10.00****AP Macroeconomics # – Semester****Prerequisite: Economics, AP Microeconomics, or teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel college-level macroeconomics, AP Macroeconomics courses provide students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics. Students will be expected to take the AP exam at the cost of approximately \$100.

Course Code: 04204H05011**Social Studies: Economics****AP Psychology # – Full Year****Prerequisite: Teacher approval****Grade(s): 11, 12**

Following the College Board's suggested curriculum designed to parallel a college-level psychology course, AP Psychology courses introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, expose students to each major subfield within psychology, and enable students to examine the methods that psychologists use in their science and practice. Students will develop an appreciation of psychology both as an academic discipline and as a body of knowledge that is relevant to the student's own life. Students will be expected to take the AP exam at the cost of approximately \$100.

Course Codes: 04256H05012/04256H05022**Elective: Social Studies****Fee: \$10.00**

World Languages

AP Chinese Languages and Culture # – Full Year

Prerequisite: Successful completion of Chinese III

Grades: 11, 12

Designed by the College Board to parallel fourth semester college-level courses in Mandarin Chinese language, AP Chinese Languages: Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese languages, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese languages. In addition, students explore the culture of Chinese language-speaking people in historical and contemporary contexts. These courses may be used for any Chinese language, including Mandarin and Cantonese.

Course Codes: 06414H05012/06414G05022

World Language

Fee: \$10.00 Optional

AP French Language # – Full Year

Prerequisite: French IV, IB Year 1, IB year 2, or Teacher Approval

Grade(s): 10, 11, 12

Designed to parallel third-year college-level courses in French Composition and Conversation, AP French Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in French) accurately, coherently, and fluently. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, etc. Students will be responsible for purchasing a workbook at a cost of approximately \$25 and will take the AP French exam at an approximate cost of \$100.

Course Codes: 06132H05012/06132H05022

World Language

Fee: \$10.00

AP Spanish Language and Culture # – Full Year

Prerequisite: Spanish IV or equivalent; Teacher approval

Grade(s): 11, 12

Designed by the College Board to parallel third-year college-level courses in Spanish Composition and Conversation, AP Spanish Language courses build upon prior knowledge and develop students' ability to understand others and express themselves (in Spanish) accurately, coherently, and fluently in both formal and informal situations. Students will develop a vocabulary large enough to understand literary texts, magazine/newspaper articles, films and television productions, etc. Students will be responsible for purchasing a textbook/workbook at a cost of approximately \$30 and will take the AP Spanish exam at an approximate cost of \$100.

Course Codes: 06112H05012/06112H05022

World Language

Fee: \$10.00

Advanced Placement (AP) Agreement, 2025 - 2026

Lakewood High School is pleased to offer the following Advanced Placement courses:

AP English Lang & Comp, AP English Lit and Comp, AP Precalculus, AP Calculus AB, AP Calculus BC, AP Statistics, AP Chemistry, AP Biology, AP Physics 1, AP Physics C, AP Environmental Science, AP US History, AP Government and Politics, AP Human Geography, AP European History, AP World History, AP Psychology, AP Economics, AP Chinese, AP Spanish, AP French.

Lakewood High School strongly recommends that prospective AP students earn an “A” grade for the previous two semesters in a non-honors course or receive an “A” or “B” in honors courses for the previous two semesters. **As a student in an AP course, you should expect a fast-paced class, material that is at a higher analytical level, and nightly homework.** AP courses are demanding and will be labor intensive. Students should consider their complete schedule and their extra-curricular activities when choosing to enroll in AP courses. If a student wishes to take more than three AP classes, a student must schedule a conference with an LHS counselor and receive a signature of approval from the counselor, below. **Students can expect a rigorous approach to grading, so an “A” in an Advanced Placement course represents exceptional work at an advanced level. AP courses are designed for the entire year.** Only in the rarest occasion would a student move from an AP class during the school year and only after first semester if space is available. By registering for an AP course, you are committing to that course for the entire year. **Students wishing to drop an AP class will have to apply, and applications will be reviewed on a case-by-case basis. Students will only be able to withdraw from an AP course in extreme circumstances as determined by a committee. In some cases, additional documentation may be required. Family appeals will not be accepted. The committee’s response is the final decision on behalf of the school.** There is no guarantee that a schedule can be changed due to lack of room in a parallel credit course. **If a senior does drop a yearlong AP course at semester, the counselor must notify the colleges they have applied to and/or been accepted to that the student has dropped to a lower-level course. In some cases, this may impact college admissions.**

If a student needs additional help for any AP class, teachers are always available to help students and sometimes offer additional study sessions. In addition, our tutoring center is also able to assist in some of our AP courses.

Colleges and universities only give credit or placement for qualifying AP Exam grades, not AP course grades. By District Policy, all AP courses are weighted on a 5 point scale. Students may be responsible for the purchase of books and materials for each AP course. **Students may also have summer assignments for their AP courses; it is the responsibility of the student to check the teacher website for this information.** A student will not be allowed to change his or her schedule based upon an incomplete summer assignment.

For the 2025-26 school year, students may automatically have their AP exam fee added to their school account in the fall. Students may still opt out of an exam in the fall, but they must opt out before the November deadline to avoid the College Board late or drop fees of \$40 per exam. This late drop fee is assessed by College Board, not the school or district.

In order to enroll in an AP course, current Lakewood students must obtain a teacher recommendation from their current or past teacher in that academic discipline on their course registration form. Incoming Lakewood students (9th grade and transfer) should adhere to the guidelines above with regard to previous grades and have a conversation with their current teacher when deciding to take an accelerated course. In both cases, **a parent signature is also required on the registration form.**

Student Name (printed): _____

Student Signature: _____

Parent/Guardian Name (printed): _____

Parent/Guardian Signature: _____

*Counselor/Admin Signature (if more than three classes): _____

List requested AP Courses for the 2025- 2026 school year:

International Baccalaureate

The INTERNATIONAL BACCALAUREATE Diploma program is a rigorous pre-university course of study, leading to examinations, that meets the needs of the highly motivated students. Designed as a comprehensive curriculum that allows its graduates to fulfill requirements of the various national systems of education, the IB is based on the pattern of no single country. It provides students of different linguistic, cultural, and educational backgrounds with the intellectual, social and critical perspectives necessary for the adult world. The comprehensive IB program provides students with a balanced education in all the main disciplines: languages, social sciences, experimental sciences, mathematics, and elective subjects. The intent is that students should learn how to learn, how to analyze, how to reach considered conclusions about people, their languages and literature, their ways in society, and the scientific forces of the environment. Lakewood High School offers a four-year curriculum: two years in IB Prep and two years in a college level curriculum which challenges Jefferson County's best scholars and promotes international understanding. Successful completion earns the student an IB Diploma.

The IB Examination: General Scheme

The IB Diploma is awarded for satisfactory performance in six subjects, one chosen from each of the following six groups:

- 1. Language A: English.** This includes the study of World Literature in translation.
- 2. Language B:** Spanish, French, and Chinese
- 3. Study of Individuals in Society:** History, Social & Cultural Anthropology, Business, Psychology, Environmental Science
- 4. Experimental Sciences:** Biology, Chemistry, Physics, Environmental Science
- 5. Mathematics:** See the next page for possible math pathways
- 6. An IB elective course**

Three of these six subjects must be taken for examination at higher level and three at the standard level.

All Diploma Candidates must also:

- Follow an interdisciplinary course in the Theory of Knowledge; submit an Extended Essay in an IB subject; and undertake creative, action and service activities (CAS)

- Fulfill the Jefferson County Graduation Requirements.

For information, contact the IB office at 303.982.7182

Group 1: Language A1

IB Language (English) 11 # – Full Year
Prerequisite: Acceptance into IB Program
Grade: 11

IB Language A (English 11) prepares students to take the International Baccalaureate Language A exams at the Higher level. Course content includes in-depth study of literature and rhetoric 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. Students may also be required to pay for some supplies and activities.

Course Codes: 01007H05014/01007H05024
English Language Arts
Fee: \$10.00

IB Language (English) 12 # – Full Year
Prerequisite: IB Language 11
Grade: 12

IB Language A (English 12) extends learning from English 11 and prepares students to take the International Baccalaureate Language A exams at the 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. Students may also be required to pay for some supplies and activities.

Course Codes: 01007H05034/01007H05044
English Language Arts
Fee: \$10.00

Group 2: Language B (World Languages and Cultures)

Chinese

IB Language B – Chinese (Ab Initio) # - 2 Full Years

Course Codes: 06411H05014/06411H05024
06411H05034/06411H05044

Prerequisite: Acceptance into the IB Program, Chinese 1 & Chinese II

World Language

Grade(s): 11, 12

Fee: \$10.00

IB Language B—Chinese courses prepare students to take the International Baccalaureate Language B exams at either the Standard 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 Standard 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

IB Language B – French (SL & HL) # – 2 Full Years

Course Codes: 06131H05014/06131H05024
06131H05034/06131H05044

Prerequisite: Acceptance into IB Program, French II Honors

World Language

Grade(s): 10, 11, 12

Fee: \$10.00

IB Language B—French courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication. Students preparing to take the Standard level exam will be able to understand native speakers; students preparing for the higher level exam will read more texts, complete longer and more complex assignments, and have more rigorous assessment standards than students at the standard level. Students will be responsible for purchasing a workbook each year at a cost of approximately \$20 each.

Spanish

IB Language B – Spanish SL # – 2 Full Years

Course Codes: 06111H05018/06111H05028
06111H05038/06111H05048

Prerequisite: Acceptance in the IB program, Spanish II Honors or Spanish III

World Language

Grade(s): 10, 11, 12

Fee: \$10.00

IB Language B—Spanish courses prepare students to take the International Baccalaureate Language B exams at either the Standard or Higher level. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' exam will be able to understand native speakers; students preparing for the higher level exam will read more texts, complete longer and more complex assignments, and have more rigorous assessment standards than students at the standard level. Students will be responsible for purchasing a workbook at a cost of approximately \$35. Book will be used for both years of IB Spanish.

IB Language B – Spanish HL # – 2 Full Years

Course Codes: 06111H05058/06111H05068
06111H05078/06111H05088

Prerequisite: Acceptance in the IB program, Spanish II Honors or Spanish III

World Language

Grade(s): 10, 11, 12

Fee: \$10.00

The IB Language B—Spanish HL course is intended for IB students who are wanting to extend the range and complexity of the language they use and understand. Students at the HL level develop a conceptual understanding of how language works. Students will understand and evaluate a wide variety of written and spoken authentic texts. Students at the HL level will understand the fundamentals of literary works. The HL students analyze, persuade, justify and evaluate in the target language making adjustments in style. Students will be responsible for purchasing a workbook at a cost of approximately \$35. Book will be used for both years of IB Spanish.

Group 3: Individuals & Societies/History & Social Studies

IB Courses that meet the Individual & Societies IB requirement and the Jeffco World History requirement:

IB History HL # – 2 Full Years

Course Codes: 04054H05014/04054H05024
04054H05034/04054H05044

Prerequisite: Acceptance into IB program

Social Studies: World History

Grade(s): 11, 12

Fee: \$10.00

Social Studies IB History prepares students to take the International Baccalaureate History exam at the Higher level. In this course, students study political, military, economic, social, and cultural trends and explore the nature of historical documentation and the methods used by historians. The IB History course surveys 20th-century topics in an international context; provides a detailed regional study of a major area (Africa, Europe, the Americas, West and South Asia, East and Southeast Asia, or Australia); and enables students to undertake individual study on a subject of interest in greater detail and depth. Students will study European History at the junior level and 20th Century History at the senior level. This course meets Jefferson County's World History requirement.

IB Social and Cultural Anthropology SL – 1 Full Year

Course Codes: 04253H05014/04253H05024

Prerequisite: Teacher Approval

Social Studies: World History

Grade(s): 11, 12

Fee: \$10.00

IB Social Anthropology prepares students to take the International Baccalaureate Social Anthropology exam at either the Standard or Higher level. The course aims to promote students' awareness of underlying patterns and causes of social relationships and systems, preconceptions and assumptions within the social environment, and the use of ethnographic data in creating models, drawing inferences, and making comparisons.

IB Courses that meet the individual and societies IB requirement but NOT the Jeffco World History requirement:

IB Psychology SL # – 1 Full Year

Course Codes: 04257H05014/04257H05024

Prerequisite: Acceptance into the IB program

Elective: Social Studies

Grade(s): 11, 12

Fee: \$10.00

IB Psychology courses prepare students to take the International Baccalaureate Psychology exams at the Standard 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. Students will be expected to purchase the textbook at an approximate cost of \$65.

IB Business and Management SL – 1 Full Year

Course Codes: 12059H05014/12059H05024

Prerequisite: Teacher approval

Fine Arts/CTE

Grade(s): 11, 12

Fee: \$10.00

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at the Standard level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. This course also equips students with knowledge and understanding of business terminology, concepts and principles.

IB Business Management HL – 1 Full Year

Course Codes: 12059H05034/12059H05044

Prerequisite: Successful completion of IB Business and Management SL

Fine Arts/CTE

Grade: 12

Fee: \$10.00

IB Business and Management courses prepare students to take the International Baccalaureate Business and Management exam at the Higher level. In keeping with Individual and Society courses, IB Business and Management promotes problem-solving by identifying the problem, selecting and interpreting data, applying appropriate analytical tools, and recommending solutions by evaluating their quantitative and qualitative implications. This course also equips students with knowledge and understanding of business terminology, concepts and principles.

IB Environmental Systems (SL) – 1 Full Year

Course Codes: 03208H05014/03208H05024

Prerequisite: Completion of previous honors science course

Science

Grade(s): 11, 12

Fee: \$35.00

IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam at the Standard level by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, and the nature of internationalism in resolving major environmental issues.

Group 4: Experimental Sciences

IB Biology (HL) # – 2 Full Years

**Course Codes: 03057H05014/03057H05024
03057H05034/03057H05044**

Prerequisite: Honors Chemistry, or Chemistry with “A”

Science

Grade(s): 11, 12

Fee: \$35.00

IB Biology courses prepare students to take the International Baccalaureate Biology exams at the 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 the study of living organisms from the cellular level through functioning entities within the biosphere. Laboratory experimentation is an essential component of these courses.

IB Chemistry (SL or HL) # – 2 Full Years

**Course Codes: 03107H05014/03107H05024
03107H05034/03107H05044**

Prerequisite: Chemistry Honors, Algebra 1 (B or higher)

Science

Grade(s): 11, 12

Fee: \$35.00

IB Chemistry prepares students to take the International Baccalaureate Chemistry exams at either the Standard 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.

IB Physics (SL) # – 1 Full Year

Course Course Codes: 03157H05034/03157H05044

Prerequisite: Physics Honors, Algebra 1 (B or higher)

Science

Grade(s): 11, 12

Fee: \$20.00

IB Physics prepares students to take the International Baccalaureate Physics exams at the Standard 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 but is not required for this course. A TI-83 plus (or higher) calculator is required.

IB Environmental Systems (SL) – 1 Full Year

Course Codes: 03208H05014/03208H05024

Prerequisite: Completion of previous honors science course

Science

Grade(s): 11, 12

Fee: \$35.00

IB Environmental Systems courses prepare students to take the International Baccalaureate Environmental Systems exam at the Standard level by providing them with the knowledge, methods, and techniques to understand the nature and functioning of natural systems, the relationships that affect environmental equilibrium, and human impact on the biosphere. Topics also include ecosystem integrity and sustainability, students' own relationships to the environment, and the nature of internationalism in resolving major environmental issues.

Group 5: Mathematics

IB Mathematics SL: Applications and Interpretations # – 1 Full Year

Prerequisite: Algebra II with an “A”, Teacher approval, and Summer homework

Grade(s): 10, 11, 12

This course is intended for IB students who do not wish to pursue a field of study in college that requires a strong calculus background. Topics include operations and properties of number sets; trigonometric functions, equations, and graph; algebra and coordinate geometry; simultaneous linear equations; polynomial and quadratic functions and equations; calculus, including bilinear, exponential and logarithmic functions; two dimensional vectors and matrices; and probability. In addition, students will begin their portfolio for their internal assessment. A TI-83 Plus or TI-84 series is required.

Course Codes: 02139H05018/02139H05028

Mathematics: Geometry or Higher

Fee: \$10.00

IB Mathematics SL: Analysis & Approaches # –1 Full Year

Prerequisite: AP Pre-Calculus Pre-Calculus (B or better), Teacher approval

Grade(s): 10, 11, 12

This course is intended for IB students who are exceptionally gifted in mathematics. Students must be competent in a wide range of analytical and technical skills. A wide range of mathematics will be developed in a rigorous and comprehensive fashion. This course includes a thorough calculus curriculum and many other advanced topics. In addition, students will begin their portfolio for their internal assessment. Students may take the AP Calculus BC test upon completion of this course. A TI-83 Plus or TI-84 series is required.

Course Codes: 02140H05018/02140H05028

Mathematics: Geometry or Higher

Fee: \$10.00

IB Mathematics HL 1: Analysis & Approaches # – Full Year

Prerequisite: Pre-Calculus Honors (B or better), Teacher approval

Grade(s): 10, 11, 12

This course is a continuation of IB Further Mathematics I. Students will be prepared to take the IB Math exam at the Higher Level upon completion. A wide range of mathematical topics will be explored with rigor and depth including geometry; statistics and probability; sets, relations and groups; series and differential equations; and discrete mathematics. In addition, students will complete a comprehensive portfolio of work for internal assessment. A TI 83 Plus or TI-84 series is required.

Course Codes: 02140H05058/02140H05068

Mathematics: Geometry or Higher

Fee: \$10.00

IB Mathematics HL 2: Analysis & Approaches # – Full Year

Prerequisite: IB Mathematics HL 1: Analysis & Approaches

Grade(s): 10, 11, 12

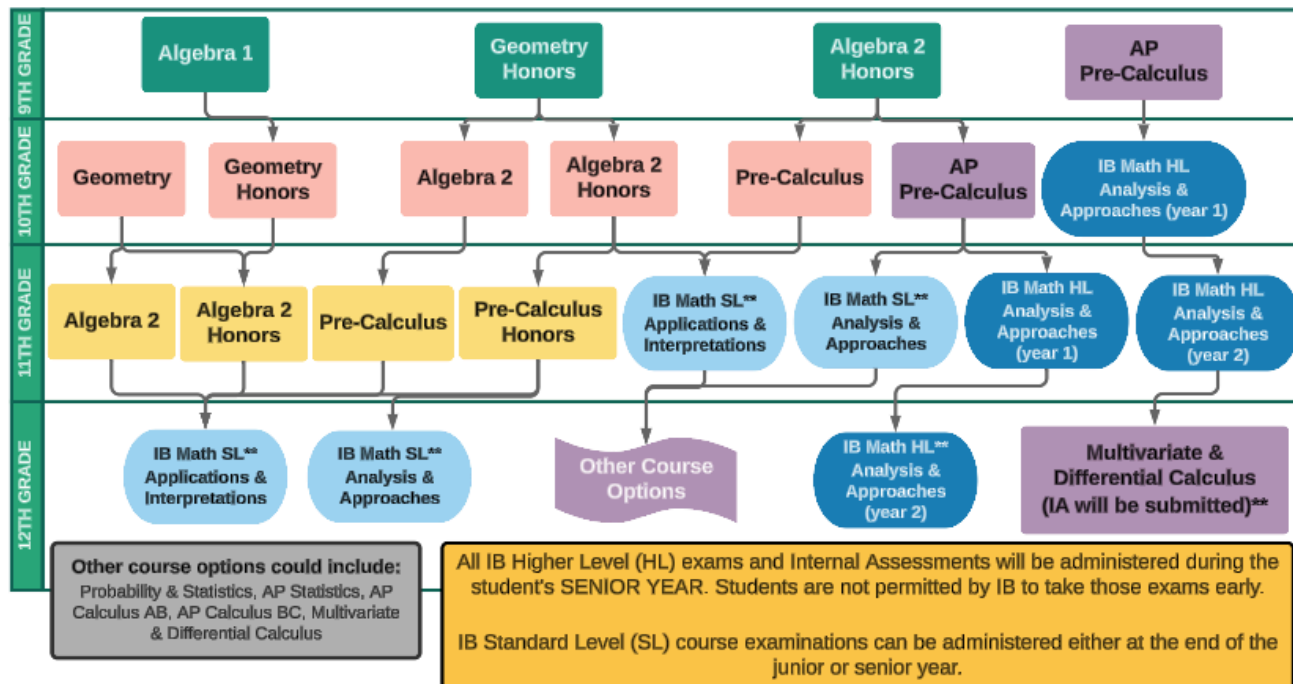
This course is a continuation of IB Further Mathematics I. Students will be prepared to take the IB Math exam at the Higher Level upon completion. A wide range of mathematical topics will be explored with rigor and depth including geometry; statistics and probability; sets, relations and groups; series and differential equations; and discrete mathematics. In addition, students will complete a comprehensive portfolio of work for internal assessment. A TI 83 Plus or TI-84 series is required.

Course Codes: 02140H05078/02140H05088

Mathematics: Geometry or Higher

Fee: \$10.00

Possible IB Math Pathways



Group 6: Sixth Subjects/Electives

Students can select a class from the courses below, or choose an additional course from any other group.

IB Theatre Arts (SL) – Full year

Prerequisite: Teacher approval

Grade(s): 11, 12

Students will understand the nature of the theatre through study and performance. Students will learn of the major developments and techniques in the history of more than one culture, interpret and illuminate play scripts, understand the art of the stage, perform before an audience, produce work in at least one of the theatrical arts or crafts, understand the processes of theatrical production, and do a theatrical research project. Students do not need to be in the IB program to take this course as a fine arts elective.

Course Codes: 05062H05014/05062H05024

Fine Arts/CTE

Fee: \$15.00

IB Theatre Arts (HL) – Full year

Prerequisite: IB Theatre Arts SL, Teacher approval

Grade(s): 12

Students will understand the nature of the theatre through study and performance. Students will learn of the major developments and techniques in the history of more than one culture, interpret and illuminate play scripts, understand the art of the stage, perform before an audience, produce work in at least one of the theatrical arts or crafts, understand the processes of theatrical production, and do a theatrical research project.

Course Codes: 05062H05034/05062H05044

Fine Arts/CTE

Fee: \$15.00

IB Film Year 1 (SL or HL) – Full Year

IB Film Year 2 (HL) – Full Year

Prerequisite: Teacher approval

Grade(s): 11, 12

This course prepares students for the IB Film exam at the Standard Level. Through the study and analysis of film texts and exercises in film-making, the IB Film course explores film history, theory and socio-economic background. The course develops students' critical abilities, enabling them to appreciate the multiplicity of cultural and historical perspectives in film. To achieve an international understanding within the world of film, students are taught to consider film texts, theories and ideas from the points of view of different individuals, nations and cultures. Students develop filmmaking skills including, but not limited to: cinematography, directing, editing, lighting, sound, etc. These skills will be applied to a short film as a final project. Students who take IB Film must fulfill the IB testing requirements which requires an additional fee.

Course Codes: 99168H05014/99168H05024

99168H05034/99168H05044

Fine Arts

Fee: \$40.00 + \$10 IB Fee

IB Visual Arts (SL) – Full Year

Prerequisite: Teacher Approval

Grade(s): 11, 12

IB Art/Design prepares students to take the International Baccalaureate Visual Arts exams at either the Standard or Higher level. The IB Visual Arts course helps develop students' aesthetic and creative faculties, offers training in awareness and criticism of art, and enables 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.

Course Codes: 05173H05014/05173H05024

Fine Arts/CTE

Fee: \$80.00

IB Visual Arts (HL) – Full Year

Prerequisite: Teacher Approval

Grade(s): 12

IB Art/Design prepares students to take the International Baccalaureate Visual Arts exams at either the Standard or Higher level. The IB Visual Arts course helps develop students' aesthetic and creative faculties, offers training in awareness and criticism of art, and enables 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.

Course Codes: 05173H05034/05173H05044

Fine Arts/CTE

Fee: \$80.00

Theory of Knowledge

IB Theory of Knowledge # – Two one semester courses (IB students)

Prerequisite: IB program acceptance

Grade(s): 11, 12

Obligatory for every International Baccalaureate degree candidate, IB Theory of Knowledge aims to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, and history, with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments, and to evaluate the role of language in knowledge and as a way to convey knowledge.

Course Codes: Junior (Spring Semester): 04304H05024

Senior (Fall Semester): 04304H05034

Elective: Social Studies

Fee: \$10.00

The Theory of Knowledge (TOK) course fosters critical thinking and reflection, encouraging students to engage with diverse perspectives and question how knowledge is constructed. It emphasizes the dynamic and evolving nature of knowledge, illustrating how it develops over time and across cultural contexts. By promoting intellectual humility and open-mindedness, TOK enables students to recognize and challenge their own biases while thoughtfully evaluating alternative viewpoints. The course also underscores the importance of students' roles as global citizens, equipping them to navigate complex knowledge systems and make ethically informed decisions.

Course Planning (2025 - 2026 school year)

After reviewing the Course Guide, list one English, Mathematics, Science, Social Studies, three electives, and two alternate electives for each semester. See the chart below for graduation requirements. Any student registering for an AP course must read and sign the 2025-2026 AP Agreement with their family.

Semester 1:

1. English course: _____
2. Math course: _____
3. Science course: _____
4. Social Studies: _____
5. Elective: _____
6. Elective: _____
7. Off Block
8. Off Block OR optional 7th class elective:

Alternate elective: _____
Alternate elective: _____

Semester 2:

1. English course: _____
2. Math course: _____
3. Science course: _____
4. Social Studies: _____
5. Elective: _____
6. Elective: _____
7. Off Block
8. Off Block OR optional 7th class elective:

Alternate elective: _____
Alternate elective: _____

Graduation Requirement Check

(To be completed each semester after grades are posted.)

Part One: Complete a minimum of 23 credits in required courses. Each semester class earns 0.5

Subject	# of credits needed	Each box represents one course required for graduation
English	4.0	9th: <input type="checkbox"/> <input type="checkbox"/> 10th: <input type="checkbox"/> <input type="checkbox"/> 11th: <input type="checkbox"/> <input type="checkbox"/> 12th: <input type="checkbox"/> <input type="checkbox"/>
Mathematics	3.0	Algebra I: <input type="checkbox"/> <input type="checkbox"/> Geometry: <input type="checkbox"/> <input type="checkbox"/> Other: <input type="checkbox"/> <input type="checkbox"/>
Science	3.0	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Social Studies	3.5	Geography: <input type="checkbox"/> U.S. History: <input type="checkbox"/> <input type="checkbox"/> World History: <input type="checkbox"/> <input type="checkbox"/> Economics: <input type="checkbox"/> Government: <input type="checkbox"/>
Electives	9.5	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> PE: <input type="checkbox"/> Fine Arts/CTE: <input type="checkbox"/>
Total Credits	23	Students wishing to attend college need an additional 1.0 credit in Math: <input type="checkbox"/> <input type="checkbox"/> and at least 1.0 credit in World Language: <input type="checkbox"/> <input type="checkbox"/>

Part Two: Demonstrate Postsecondary Workforce Readiness (PWR) for at least one measure in Reading, Writing, and Communicating AND one measure in Mathematics.

PWR: Reading, Writing and Communication: and Mathematics: