

Skyline High School

2024-20245

Course Descriptions



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General Class Information Requirements and Procedures

Letter Grades:

All courses receiving a letter grade will be used in computing a student's grade point average (GPA). Courses awarding Pass/Fail are the only exception and are not calculated in the GPA.

Grade Point Average:

The grading scale includes A, B, C, D, and F letter grades. The following point average will be used to compute grade point average: A=4 points; B=3 points; C=2 points; D=1 point; F=0 points.

Honors courses will be weighted as follows:

A=4.5; B=3.5; C=2.5; D=1.5; F=0. The only classes to be weighted for this school year are Honors English 9, Honors English 10, Honors Geometry, Honors Algebra 2, Honors Biology, Honors World Geography/History, Honors U.S. History and Honors Chemistry. For weighted credit, honors must be taken in the 9th or 10th grade.

Advanced Placement (AP) Courses:

Skyline High School participates in the College Board's Advanced Placement (AP) program. Upon completion of an AP course, a student may choose to take the AP examination in May. A student's score on the examination may grant credit and/or placement in a higher-level course upon entry in a college/university. The cost of the examination is the student's responsibility. Advanced Placement courses will be weighted as follows: A=5.0; B=4.0; C=3.0; D=2.0; F=0.

Nondiscrimination/Equal Opportunity Notice

Pursuant to St. Vrain Valley Board of Education Policy AC Non-discrimination/Equal Opportunity:

No otherwise qualified student shall be excluded from participation in, be denied the benefits of, or be subject to discrimination under any district program or activity on the basis of race, color, religion, national origin, ancestry, sex, sexual orientation or disability. This policy shall apply to access to and participation in educational activities, course offerings, athletics, counseling, employment assistance and extracurricular activities. Every student of this district shall have equal educational opportunities regardless of race, color, religion, national origin, ancestry, sex, sexual orientation or disability.

A lack of English proficiency will not be a barrier to admission to or participation in district programs and activities including career and technical education programs.

Pursuant to St. Vrain Valley Board of Education Policy AC-E-1 Nondiscrimination/Equal Opportunity (Notice):

Complaint procedures have been established for students, parents, employees and members of the public. The following person has been identified as the compliance officer for District students and community members: Johnny Terrell Executive Director of Student Services 830 South Lincoln Street Longmont, CO 80501 Phone: (303) 772-7700 x 57859 terrell_johnny@svvvsd.org

Advanced Placement

The College Board's Advanced Placement Program (AP) enables students to pursue college-level studies while still in high school. Based on their performance on rigorous AP examinations, students can earn credit, advanced placement, or both, for college. Most U.S. colleges and universities, and colleges and universities in 21 countries, have an AP policy granting incoming students' credit, placement, or both, for qualifying AP examination grades.

Why Take AP Courses?

The Advanced Placement Program is best known for giving high school students the opportunity to earn college credit, to save on college tuition, and even to graduate early from college. But AP offers students many additional benefits as well.

- *AP allows high school students to take courses that are challenging, rigorous, and in-depth - exactly the kinds of courses they will face once in college.
- *AP courses are weighted and can positively impact GPA.
- *The credits students earn for their AP achievements enable many students to pursue a double major, to study or travel abroad, or to undertake a combined bachelor's and master's program.
- *Students who participate in AP are ultimately given the responsibility to reason, analyze, and understand for themselves, essential skills to help students succeed in college.

The AP Exam

Each May, students who take AP courses have the opportunity to take the equivalent AP exam for their subject area(s). The AP exam grade is a weighted combination of the student's score on the multiple-choice section and on the free-response section. The final grade is weighted on a 5-point scale. Students who earn AP exam grades of 3 or above are generally considered to be qualified to receive college credit and/or placement into advanced courses; however, each college or university determines the awarding of credit and placement. It is the student's responsibility to check with the individual institutions regarding their individual policies.

AP Courses at Skyline High School

ART AP Drawing AP 2D Art and Design AP 3D Art and Design	COMPUTER SCIENCE AP Computer Science Principles AP Computer Science	ENGLISH AP English Language & Comp AP English Literature AP Research AP Seminar
MATH AP Calculus A/B AP Statistics	SCIENCE AP Biology AP Chemistry AP Environmental Science AP Physics 1-Algebra Based AP Physics-Calc Based	SOCIAL STUDIES AP Human Geography AP Comparative Government AP Macroeconomics AP Microeconomics AP Psychology AP US Government/Politics AP US History AP World History
WORLD LANGUAGE AP French Language AP Spanish Language		

AP Capstone

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing receive the AP Capstone Diploma™. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams receive the AP Seminar and Research Certificate™.

For more information, visit:

<https://apcentral.collegeboard.org/courses/ap-capstone/how-ap-capstone-works>

Concurrent Enrollment Options for High School Students

Concurrent Enrollment provides an opportunity for juniors and seniors to earn both high school and college credit for a college course. The school district will pay for up to two courses per semester (not including summer school, online, evening or weekend courses). This is available only to 11th and 12th grade students who have completed a minimum of 11.5 credits toward graduation and are under 20 years of age. Courses taken in this manner count toward the eligibility requirements as set forth by the Colorado High School Activities Association (CHSAA). The courses must be pre-approved and successfully completed. This program is designed to enrich a student's educational experience by providing curricular options beyond what is offered at the high school. Concurrent enrollment is not intended to duplicate opportunities that are available through coursework offered at SHS. Students interested in this opportunity should see their counselor for more information. There are specific deadlines that must be adhered to in order to be reimbursed for coursework. Students must pass the class, or will be required to pay the cost of the course. Front Range courses will NOT be weighted. See your counselor for registration information and deadlines.

St. Vrain High School Graduation Requirements

SVVSD Graduation Requirements	
Language Arts	4 Credits
Math	3 Credits
Science	3 Credits
Social Studies	3 Credits
Health	.5 Credit
Physical Education	2 Credits**
Practical Art	.5 Credit
Fine Arts	.5 Credit
Personal Financial Literacy	.5 Credit
Electives	7.5 Credits
TOTAL	24.5 Credits

****P.E. Waiver: Graduation Requirements-Physical Education Waiver**

The St. Vrain Valley School District requires all students to complete two (2) physical education credits to graduate. However, students have the opportunity to waive up to 1.0 physical education credit. Students who maintain full-time student status during all four years of high school and meet all other graduation requirements may waive a .5 physical education credit by successfully completing one of the following criteria: One (1) St. Vrain Valley School District athletic programs at the high school level; or 72 hours during an 18-week period of an appropriate, pre-approved, structured, and supervised physical activity outside of the school district. Successfully completing two different sports, the same sport for two seasons, or a combination of the above criteria will allow students to waive a maximum of 1.0 physical education credit. The activities to waive physical education credit may be met during any of a student's four years of high school. Schools will provide information regarding the physical education waiver to students and parents annually during course registration to allow time for planning. The physical education waiver application may be acquired in the counseling offices of every high school. Once the physical education waiver requirements have been met, the student will submit the application and time log to the building principal (including all required signatures) for verification and approval. Whether or not a student has received a physical education waiver, all students are still required to successfully complete 24.5 credits in order to earn their high school diploma.

ICAP Graduation Requirements

Individual Career and Academic Plan (ICAP) Graduates will develop and successfully complete an Individual Career and Academic Plan (ICAP) that includes postsecondary college and career interests and goals. The following indicators will assist graduates in exploring successful completion of their ICAP:

- Self-Awareness
- Career Awareness
- Postsecondary Aspirations
- Postsecondary Options
- Environmental Expectations
- Academic Planning
- Employability Skills
- Financial Literacy
- Career Elevation and Technical Center

Career Elevation & Technology Center

The SVVSD Career Elevation and Technical Center (CETC) is one of 8 Career and Technical Centers in the state of Colorado. This center offers students hands-on opportunities to learn about career fields while obtaining both high school and college credit for many of the programs as well as industry certificates. To learn more, go to <https://cetc.svvsd.org/>

The course offerings include:

Innovation Center

The Innovation Center (IC) of St. Vrain Valley Schools offers courses, industry work experience, research opportunities and more in content areas ranging from aeronautics, robotics, computer science, and technology, to media, STEM, and entrepreneurship. The new PTEACH program is also available for students interested in becoming teachers. To learn more, go to <http://innovation.svvsd.org/>.

Agile Courses

AGILE stands for "**Advanced Global Innovative Learning Environments.**" AGILE courses are offered virtually within the St. Vrain Valley School District. Students enrolled in these courses will report to their home high school and log into a state-of-the-art virtual learning system. The course is taught by a St. Vrain teacher at one of our high schools.

**Offered virtually within the St. Vrain Valley School District. Space is limited based on district availability. Availability of course will be confirmed and communicated to students and families in the Spring once registration has been finalized.*

A2020A & A2020B Art History (this is a year long class)
Grades 9-12

(St Vrain Launch Ed)
2 semesters
1.0 Fine Arts Credit

Students will journey through time to learn how art and architecture have reflected various cultures from Paleolithic times through Ancient Egypt, Greece, Rome, and the Renaissance. In the second semester, students will continue their exploration of art and architecture through time and across cultures starting with the Renaissance, through Impressionism, and ending with the present day.

A5310A & 5310B AP Art History (this is a year long class)
Grades 10-12

(St. Vrain Launch Ed)
2 semesters
1.0 credit Fine Arts Credit

Estimated homework: Up to 45 minutes per class

AP Fee Required

The AP Art History course is equivalent to a two-semester college survey course exploring the nature of art, art making, and responses to art. By investigating the specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, students develop an in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience research, discuss, read, and write about art, artists, art making, responses to, and interpretations of art. While you will earn a fine art elective credit for this class, this is an Art History class. This is not a traditional art class; the ability to draw/paint is not a requirement to be successful.

WL1104A & WL1104B French 4A/4B (this is a year long class)**2 Semesters****Grades 10-12****1.0 World Language Credit****Prerequisite: French 3A and 3B****FEE: None**

This course continues the development of the student's acquired abilities from French 1, 2, and 3, especially in listening comprehension and conversational skills in French. Students will continue to work on the five standards (Communication, Cultures, Connections, Comparisons, and Communities) through daily practice with other students, the teacher, and internet activities. Television and multimedia will be used to enhance student learning and to encourage more engagement with the language and culture.

The students will read short prose stories and poetry written by French-speaking authors. There will be more use of French-speaking music for listening comprehension and translation practice. The goal is to use the target language 90% of the time, helping the student achieve fluency, which is the goal of the course.

WL5100A & 5100B AP French**(this is a year long course)****2 Semesters****Grades 11-12****1.0 AP Weighted World Language****Prerequisite: French 4A and 4B or teacher recommendation****AP Exam Fee required**

AP French Language and Culture is equivalent to an intermediate-level college course in French. Students cultivate their understanding of the French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

SS5831 AP Microeconomics***Longmont High School****Grades 11-12****1 semester (Fall)/.5 credit****FEE: AP Exam Fee required****SS5830 AP Macroeconomics*****Longmont High School****Grades 11-12****1 semester (Spring)/.5 credit****AP Exam Fee required**

AP Microeconomics and Macroeconomics are similar to a freshman level college course. The sequence is designed to give students a foundation in basic economic concepts that are essential to understanding consumer, business, and public policy decision making. Areas of study in microeconomics include the market forces of supply and demand, competition, business organization, and consumer behavior. Macroeconomics topics include measuring the health of a nation's economy, international trade, and debate over the proper level of government interaction with the economy. In addition to providing essential knowledge for successful functioning in today's challenging economic times, this course also prepares students for the Microeconomics and/or Macroeconomics Advanced Placement Examinations.

SS5520A & 5520B AP European History (year long class)**Erie High School****Grade 12****2 semesters/1.0 AP Weighted****Estimated homework expectations: 2-3 hours per week****AP Exam Fee required**

This course covers European History from 1450, the High Middle Ages and the Renaissance, to contemporary events. Using debates, trials, investigative reports and other learning approaches, students examine people and issues (intellectual, artistic, political, social and economic) which shape our world today. Emphasis is on preparation for the AP exam.

CS5110A & CS5110B AP Computer Science Principles (full year)**Niwot High School****Grade 9-12,****2 semesters****1.0 Weighted Practical Arts Credit****AP Exam Fee required****Prerequisite: Intro to Programming or two years of middle school programming**

Computer science is everywhere, from our smartphones and video games to music, medicine, and much more. AP Computer Science Principles (AP CSP) can help you understand how computing and technology influence the world around you. Learn how to creatively address real-world issues while using the same tools and processes that artists, writers, computer scientists, and engineers use to bring ideas to life. This intermediate class is designed for students already familiar with basic programming. The course covers the fundamentals of computing, including problem-solving, working with data, understanding the Internet, cybersecurity, and programming. Broadening your understanding of computer science for use in a diversity of majors and careers using Javascript/HTML and CSS.

CS5110A & CS5110B AP Computer Science (year long class)**Silver Creek High School****Grade 10-12****& Niwot High School****2 Semesters****1.0 Weighted Practical Arts credit****AP Exam Fees apply****Prerequisite: Students should have 2 years of experience coding and a solid understanding of object-oriented programming**

The goals of this course are comparable to a first-year college course in Computer Science. It emphasizes hands-on-programming in Java to teach students rigorous object-oriented programming and program development and to prepare students to take the College Board AP Computer Science An examination. Systematic analysis of large-scale computer programs, as well as troubleshooting, problem-solving, and algorithm development skills are included in this course to help prepare students for both college/university programming and/or computer-related careers. Students will be evaluated through programs they create, along with regular practice tests and quizzes.

MA5110A & 5110B AP Calculus BC (year long class)
Grades 11-12

Erie High School
2 semesters/1.0 AP Weighted credit
AP Fee Required

Prerequisite: Algebra 1, Geometry/Honors Geometry, Algebra 2/Honors Algebra 2, Honors Pre-Calc/Trig, or Pre-Calc/Trig, AP Calculus AB with teacher recommendation

**Suggested Calculator: Graphing Calculator (TI-83 or TI-84)*

Estimated homework time of one hour for every one hour of class time plus additional time for AP preparation

AP Calculus BC is designed for students intending to study mathematics, engineering, or the hard sciences in college. The course includes all the topics of AP Calculus AB plus series (power, Taylor, Maclaurin), convergence testing, partial fractions, improper integrals, differentiation and integration of parametric and vector relations. Students will be expected to complete all daily assignments and perform satisfactorily on examinations. Emphasis is on preparation for the AP Exam.

CTE9450 Education Exploration

Mead High School
1 Semester/0.5 Practical Arts

PREREQUISITE: None

FEE: None

Education Exploration is a semester-long course designed to provide students with an overview of professions within the field of education. Students will explore the many varied careers in education including teacher, administrator, counselor, and district personnel to name a few. Guest speakers will enhance the understanding of classroom planning, licensure requirements, and career opportunities within school systems. This course includes a minimum of 15 extended learning hours, which may occur outside of class time. This course is an ideal segway into the district's [P-Teach program](#), where prospective educators can earn college credit.

PS1405 AIMS ART 1110 Art Appreciation
Grades: 11, 12

Frederick High School
1 Semester/0.5 Fine Arts

Prerequisites: None

Fee: None

Introduces the cultural significance of the visual arts, including media, processes, techniques, traditions, and terminology.

PS3480 CU INTE 2000 Digital Teaching and Learning**(Innovation Center)****Grades: 10, 11, 12****1 Semester****.5 Practical Arts****Prerequisites: None****Fee: None****Schedule: Offered Fall semester of odd years (Fall 2023, Fall 2025, Fall 2027, etc.)**

Are you interested in evaluating the trustworthiness of different forms of media and creating digital content of your own? In this course, you will learn to effectively use a variety of digital tools and media for your own learning, designing lessons for your students, and sharing content with a professional learning network. If you are interested in any STEM-related field, this class will bolster your teaching skills in this area. This is a survey of technology for (1) your learning, informally and in classes; (2) your students' learning when you become a teacher; and (3) sharing with peers and colleagues. Use tools to address problems of equity, access, and learning needs.

*****Concurrent Enrollment:** CU Denver // 3 college credits

CTE80120 Intro to Cybersecurity**(Innovation Center)****Grades: 9, 10, 11, 12****1 Semester****Prerequisites: None****.5 Practical Arts**

Step into an exhilarating journey of cybersecurity like never before! This dynamic course is your ticket to mastering the art of shielding yourself and businesses from digital threats. From unraveling the mysteries of encryption to deciphering hacker tactics in Types of Attacks, you'll explore Citizen Security, Networking, Cyber Defense, Ethics and Law, and Risk Management in an engaging and hands-on way. Get ready to wield industry tools, unlock the secrets of the digital realm, and emerge as a skilled digital defender. This course isn't just about learning—it's about becoming the cyber-hero the world needs!

CTE80125 Python in Cybersecurity**(Innovation Center)****Grades: 9, 10, 11, 12****1 Semester****Prerequisites: Coding knowledge preferred but not required****.5 Practical Arts**

Get ready for an exhilarating coding adventure designed just for you! In the first half, we'll unlock the wonders of Python—your gateway to making computers do incredible things. You'll conquer data types, variables, conditional statements, looping, functions, text files, and more. But here's where it gets seriously awesome—in the second half, we'll take your Python skills to the next level and dive headfirst into Cybersecurity magic. Think password cracking, automating tasks, and more. At the end of this course, students will have the opportunity to take the [PCEP - Certified Entry Level Python Programming Certification](#).

*****Concurrent Enrollment:** Aims CC // [CSC 1019 Introduction to Programming](#) // 3 college credits

**** Industry Certificate Available ****

CTE83130: Cloud Computing Fundamentals**(Innovation Center)****Grades: 9, 10, 11, 12****1 Semester****Prerequisites: None****.5 Practical Arts**

What is “the cloud”? What happens when you use “the cloud”? Did you know that you are using the cloud when you watch your favorite Netflix show, scroll through your Instagram feed, or use Google?

This course will open your eyes to *the foundations of the future*! Leveraging coursework by Amazon Web Services (AWS) Academy, students will learn about the cutting edge of technology infrastructure. Students will explore:

- The core concepts of cloud computing including services, security, architecture, and more
- The business case for cloud computing
- Emerging technology use cases enabled by cloud
- How cloud computing has evolved

Even though this course does not require any prior cloud computing or programming experience, by the end of the semester, you will have created your own AWS Academy Cloud account and gained hands-on experience setting up a cloud service. This course prepares you to take the [AWS Certified Cloud Practitioner exam](#) at the end of the semester. This will help you gain a competitive advantage in this high-demand industry and can lead to opportunities for higher-level industry certifications.

**** Industry Certificate Available ****

CTE9092 Civil Rights and the Law**(CETC)****Grades: 11-12****1 Semesters****1.0 Practical Arts**

Prerequisites: CTE 9090 OR CTE 9091 OR successful completion of, or concurrently enrolled in SS5205A&B AP US Government/Politics

In this course, you will play the role of a brand-new civil rights lawyer. When working for a civil rights law firm, a wide variety of issues reach your desk every day. Your job is to analyze these cases with your colleagues (aka your classmates), learn and understand the law, and develop strategies to represent your clients in negotiations, mock trials and arguments, and other simulated legal proceedings. Topics include a range of advanced Constitutional Law and Civil Rights issues. Reading, writing, and speaking standards will be emphasized.

CTE9057A and CTE9057B Legal Environment of Business (Business Law)**(CETC)****Grades: 11-12****2 Semesters****1.0 Practical Arts**

Prerequisites: CTE 9090 OR CTE 9091 OR successful completion of, or concurrently enrolled in, SS5205A&B AP US Government & Politics.

In this 2nd year course, you play the role of a lawyer working on-site at a major toy manufacturer. Your job is to provide expert-level advice to your client, the company’s CEO. Unfortunately, the company faces countless legal challenges from human resources to contracts, products liability, and criminal matters. As your client is very demanding, you and your colleagues will need to research the law and learn it quickly, and examine and analyze issues and problems carefully to keep the company afloat. Reading, writing, and speaking standards will be emphasized.

Language Arts

LA1111A ENGLISH HONORS 9A

1 Year

LA1111B ENGLISH HONORS 9B

1.0 Honors Weighted Credit

(09)

FEE: None

PREREQUISITE: None

English Honors 9 is designed for students who desire a more dynamic study of English. Students will engage in higher-level analysis of famous texts that promote early-adoption of critical thinking and writing skills necessary for college. Students will demonstrate sophisticated fluency, control, and reasoning in their writing and speaking — all with the aim of preparing them for AP courses, postsecondary education, and workforce readiness. Evaluation is based on a variety of assessments, including those that allow creativity in format and presentation by the student.

LA1121A ENGLISH HONORS 10A

1 Year

LA1121B ENGLISH HONORS 10B

1.0 Honors Weighted Credit

(10)

FEE: None

PREREQUISITE: English Honors 9

In Grade 10, HONORS courses place a greater emphasis on critical thinking to gain greater depth in reading, writing, research, and speaking standards, while transitioning these students to a more independent use of these skills. These concepts and associated skills are aligned with the Colorado Academic Standards for Language Arts, incorporating 21st century skills and post-secondary and workforce readiness competencies.

LA1130A ENGLISH 11A

1 Year

LA1130B ENGLISH 11B

1.0 Credit

(11)

FEE: None

PREREQUISITE: English Honors 10

This course provides juniors with the opportunity to refine their analytical thinking, reading, and writing skills through their study of American Literature. Evaluations will be based on participation in class discussions, completion of homework assignments, essays and research assignments, projects, quizzes, and tests.

LA1140A ENGLISH 12A

1 Year

LA1140B ENGLISH 12B

1.0 Credit

(12)

FEE: None

PREREQUISITE: English 11

English 12 will focus on life readiness skills and traditional Language Arts skills to prepare you for college, career and beyond. As the world becomes more text and communication driven we will hone real world skills for success in all walks of life including: college and career exploration, financial literacy, job readiness skills, research, and different modes of writing. Also, we will explore the joy of reading for pleasure.

LA5100A AP ENGLISH LANGUAGE & COMPOSITION A
LA5100B AP ENGLISH LANGUAGE & COMPOSITION B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: None

As specified by the College Board, the focus of this course is on rhetoric and style. Rhetoric is defined as “the art of crafting effective texts for specific audiences,” and style is defined as “the unique adaptation of language to ideas.” American Literature and nonfiction texts will take center stage in studying language as a persuasive tool and the dynamic relationship of writer, context, audience, and argument. Evaluation is based on essays, in-class work, and timed writing assignments. Emphasis is on preparation for the AP English Language & Composition Exam.

LA5205A AP SEMINAR A
LA5205B AP SEMINAR B
(10, 11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: None

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts, and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

This course is for any student who wants to take ownership of his or her own education, as it allows for students to explore personal interests and passions (further explored and refined in AP Research). AP Seminar also teaches the foundational skills necessary for success in any post-secondary setting.

LA5310A AP RESEARCH A
LA5310B AP RESEARCH B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: AP Seminar

Note: Completing AP Seminar and all its required assessment components is necessary for students to develop the skills to be successful in AP Research.

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

LA5410A AP ENGLISH LITERATURE A
LA5410B AP ENGLISH LITERATURE B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: None

AP Literature is a class designed for students who want a fun challenge to approach the advanced study of novels, plays, poetry, and even movies. AP Literature acts as a springboard for students who want to become talented writers. The course aligns perfectly for students knowing they are on the college track. It also offers students a chance to take an AP class and an opportunity to receive college credit if they pass the AP exam at the end of the year. Course content includes units to study comedy, satire, drama, and tragedy found in novels, plays, poetry, and films. Evaluation is based on composition grades, in-class and timed writings, and class discussions. Emphasis is also on preparation for the AP English Literature and Composition exam.

Language Arts Electives

LA2010 MYSTERY LITERATURE/SUSPENSE LITERATURE
(10, 11, 12)

1 Semester
.5 Credit

PREREQUISITE: Must complete English Honors 9

FEE: None

This one-semester course introduces students to the genres, conventions, and techniques in mystery, suspense, and horror writing, and compares these literary styles to all forms of literature. Students will examine what motivates mysteries, the tension that defines suspense, and how thematically, the fear of death, failure, and the unknown makes horror so compelling. This course presents the works of key contributors and creators of these genres in media from novels to short stories to films to even survival-themed games.

LA2012 MYTHOLOGY
(10, 11, 12)

1 Semester
.5 Credit

PREREQUISITE: Must complete English Honors 9

FEE: None

This one-semester course is designed to enhance understanding of mythology and its continuing influence on our modern world. Students will study mythology from various perspectives, cultures, and communities. Participants will examine how some themes and characters occur over and over in myths of different and various cultures despite lacking obvious connections. This course presents the folklore, writings, and songs of various cultures as showcased in media from novels to short stories to films to graphic novels.

LA2429A YEARBOOK A

LA2429B YEARBOOK B

(9, 10, 11, 12)

2 Semesters

.5 Credit/Semester

FEE: None

PREREQUISITE: Application Process

Yearbook is designed for students interested in the production of the Skyline yearbook, Wingspread. Students are expected to be very self-motivated and must work together to become experts in their staff positions. Skills taught are organization, planning, layout, caption writing, photography, proofreading, and editing. NOTE: Students must be able to work after school and possibly some Saturdays.

[Yearbook Application](#)

Mathematics

MA1110A ALGEBRA 1A

MA1110B ALGEBRA 1B

(09)

PREREQUISITE: None

Algebra 1 focuses on four critical areas: (1) using units and relationships between quantities; (2) reasoning with equations and expressions; (3) analyzing and using linear, exponential and quadratic functions; and (4) interpreting and displaying data using descriptive statistics. These concepts and associated skills are aligned with the Colorado Academic Standards for mathematics, incorporating 21st Century skills and postsecondary and workforce readiness competencies.

1 Year

1.0 Credit

FEE: None

MA1210A GEOMETRY A

MA1210B GEOMETRY B

(09, 10)

PREREQUISITE: Algebra 1 and/or teacher recommendation

Geometry focuses on four critical areas: (1) exploring congruence, similarity and right-triangle relationships; (2) developing proof using constructions and coordinate geometry; (3) using area and volume to model and solve problems; and (4) applying probability to explore events of chance. These concepts and associated skills are aligned with the Colorado Academic Standards for mathematics, incorporating 21st Century skills and postsecondary and workforce readiness competencies.

1 Year

1.0 Credit

FEE: None

MA1213A GEOMETRY HONORS A

MA1213B GEOMETRY HONORS B

(09, 10)

PREREQUISITE: Algebra 1 and/or teacher recommendation

Geometry Honors focuses on four critical areas in greater depth: (1) exploring congruence, similarity and right-triangle relationships; (2) developing proof using constructions and coordinate geometry; (3) using area and volume to model and solve problems; and (4) applying probability to explore events of chance. Students also have the opportunity to study advanced geometric constructions, proving advanced properties of triangles and quadrilaterals, the Law of Sines and the Law of Cosines, and area and volume relationships among similar figures.

1 Year

1.0 Honors Weighted Credit

FEE: None

MA1410A ALGEBRA 2A**MA1410B ALGEBRA 2B****(10, 11, 12)****PREREQUISITE: Algebra 1**

Algebra 2 focuses on three critical areas: (1) analyzing and using polynomial, rational, radical, exponential logarithmic, and trigonometric functions; (2) modeling sequences and series with recursive and explicit functions; and (3) making statistical inferences from data. These concepts and associated skills are aligned with the Colorado Academic Standards for mathematics, incorporating 21st century skills and postsecondary and workforce readiness competencies.

1 Year**1.0 Credit****FEE: None****MA1412A ALGEBRA HONORS 2A****MA1412B ALGEBRA HONORS 2B****(9, 10, 11, 12)****PREREQUISITE: Algebra 1 and/or teacher recommendation**

Algebra Honors 2 focuses on three critical areas in greater depth: (1) analyzing and using polynomial, rational, radical, exponential logarithmic, and trigonometric functions; (2) modeling sequences and series with recursive and explicit functions; and (3) making statistical inferences from data. Students also have the opportunity to study matrices to solve multi-variable systems of equations, the Fundamental Theorem of Algebra, the binomial theorem, rational and radical functions, properties of logarithms and conic sections.

1 Year**1.0 Honors Weighted Credit****FEE: None****MA1510A STATISTICS A****MA1510B STATISTICS B****(11, 12)****PREREQUISITE: Algebra 2 (*Regular or Honors*)**

Statistics focuses on three critical areas: (1) conditional probability and the rules of probability; (2) using probability to make decisions; (3) using descriptive statistics and data distributions. These concepts and associated skills are aligned with the Colorado Academic Standards for mathematics, incorporating 21st Century skills and postsecondary and workforce readiness competencies.

1 Year**1.0 Credit****FEE: None****MA1720A PRE-CALCULUS WITH TRIG A****MA1720B PRE-CALCULUS WITH TRIG B****(10, 11, 12)****PREREQUISITE: Algebra 2 (*Regular or Honors*)**

Pre-Calc focuses on five critical areas: (1) the complex number system; (2) factoring polynomials of a higher degree and arithmetic with rational expressions; (3) operations with functions; (4) using the inverse relationship between exponential and logarithmic functions to solve problems; and (5) trigonometric functions. These concepts and associated skills exceed the Colorado Academic Standards for mathematics, incorporating 21st-Century skills and postsecondary and workforce readiness competencies. This course can be taken for dual credit at CU Denver through the CU Succeed program. College credits offered are MATH 1110 College Algebra (4 credits). More information can be found at <https://clas.ucdenver.edu/cusucceed/>

1 Year**1.0 Credit****FEE: None**

MA1722A PRE-CALC WITH TRIG HONORS A
MA1722B PRE-CALC WITH TRIG HONORS B
(10, 11, 12)

1 Year
1.0 Honors Weighted Credit
FEE: None

PREREQUISITE: Algebra Honors 2 and/or teacher recommendation

Pre-Calc with Trig Honors focuses on five critical areas: (1) the complex number system; (2) arithmetic with polynomials and rational expressions; (3) operations with functions; (4) trigonometric functions; and (5) applications of trigonometry. Students also have the opportunity to study sequences and series, vectors, limits, and derivatives as an introduction to calculus. This course can be taken for dual credit at CU Denver through the CU Succeed program. College credits offered are MATH 1110 College Algebra (4 credits) and MATH 1120 College Trigonometry (3 credits). More information can be found at <https://clas.ucdenver.edu/cusucceed/>

MA3010A MATHEMATICS OF GAMES A
MA3010B MATHEMATICS OF GAMES B
(11, 12)

1 Year
.5 Credit
FEE: None

PREREQUISITE: Algebra 2 (Regular or Honors)

This course will focus on both computational and theoretical aspects of probability theory and game theory. Topics include expected value, counting methods and conditional probability, set theory, matrix algebra, dominant strategies, combinatorial games, Nash equilibria, zero-sum games, Bayesian games, signaling games, and cooperative games.

MA5105A AP CALCULUS A/B A
MA5105B AP CALCULUS A/B B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: Pre-Calc with Trig Honors and/or teacher recommendation

AP Calculus is a fast-paced, rigorous course designed to prepare students to take the A/B portion of the Advanced Placement test. It is designed as a college-level course. Students will be expected to spend 10-15 hours per week outside of class reading and staying up-to-date on the course materials. In this course, it is necessary for students to be self-motivated, highly disciplined, and responsible for their own learning. AP Calculus focuses on: limits, derivatives, and integrals of functions, volume of solids of revolutions, Fundamental Theorem of Calculus, Optimization of real world situations, and finding the area under and between curves.

MA5215A AP STATISTICS A
MA5215B AP STATISTICS B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: Algebra 2 (Regular or Honors)

AP Statistics will introduce the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will analyze data using graphical and numerical techniques and will also use probability and statistical inferences to develop an appropriate model for collecting data. In order to express their findings, students will also be reading and writing more than in prior math classes. The main goal of this class is to prepare students for the AP Examination at the end of the year so that they may earn college credit for this class and to give them a college course experience.

Science

SC1120A BIOLOGY A

SC1120B BIOLOGY B

(09)

PREREQUISITE: None

This course includes the following topics: cellular biology, patterns of inheritance, natural selection, ecology, diversity of life, and classification. Students will design, conduct, evaluate, and communicate about scientific investigations. Students will perform inquiry-based investigations in this course.

1 Year

1.0 Credit

FEE: None

SC1121A BIOLOGY HONORS A

SC1121B BIOLOGY HONORS B

(09)

PREREQUISITE: None

This academically rigorous class is designed for students who desire a rigorous and challenging study of Biological Science. This course includes the following topics: molecules and cells, patterns of inheritance, natural selection, ecology, diversity of life, and classification. Students will design, conduct, evaluate, and communicate about scientific investigations. This laboratory science class presents the student with opportunities for exploratory, open-ended scientific investigations. Students will perform inquiry based investigations in this course.

1 Year

1.0 Honors Weighted Credit

FEE: None

SC1130A CHEMISTRY A

SC1130B CHEMISTRY B

(10, 11)

PREREQUISITE: Biology

Chemistry is a laboratory science designed for college bound students in non-science related careers. Students will qualitatively explore various topics including: Properties of Matter, Atomic Structure, The Periodic Table, Bonding, Stoichiometry, Gases, Solutions, Acids and Bases. Students will conduct inquiry-based labs throughout the course.

1 Year

1.0 Credit

FEE: None

SC1135A CHEMISTRY HONORS A

SC1135B CHEMISTRY HONORS B

(10, 11)

PREREQUISITE: Biology and Algebra I and/or teacher recommendation

Chemistry is a laboratory science designed for college bound students in science related careers. In this laboratory science course students study matter, change and energy, scientific measurement, problem solving and atomic structure.

1 Year

1.0 Honors Weighted Credit

FEE: None

SC1140A PHYSICS A**1 Year****SC1140B PHYSICS B****1.0 Credit****(10, 11, 12)****FEE: \$10.00****PREREQUISITE: Biology**

Physics is designed to provide students with an understanding of the laws and principles that govern the physical world. It includes a quantitative study of the following topics: mechanics, dynamics, waves, optics, electromagnetism, and atomic and nuclear physics. The focus of this course will be the application of Physics to explain and evaluate everyday occurrences. Students will perform inquiry-based investigations in this course.

SC5100A AP ENVIRONMENTAL SCIENCE A**1 Year****SC5100B AP ENVIRONMENTAL SCIENCE B****1.0 AP Weighted Credit****(11, 12)****FEE: \$25.00****PREREQUISITE: Biology and Algebra 1 and/or teacher recommendation**

This course will provide students with the scientific concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The preceding themes provide the foundation for this course. This course prepares students for the Environmental Science Advanced Placement Examination.

SC5210A AP BIOLOGY A**1 Year****SC5210B AP BIOLOGY B****1.5 AP Weighted Credit****SC5210C AP BIOLOGY C****FEE: \$25.00****(10, 11, 12)****PREREQUISITE: Biology (Chemistry is recommended) and/or teacher recommendation**

AP Biology is a fast-paced, rigorous course in which students will explore a comprehensive study of the 8 major themes in Biology. It is designed as a college-level course. Students will be expected to spend 10-15 hours per week outside of class reading and staying up-to-date on the lecture materials. In this course, it is necessary for students to be self-motivated, highly disciplined, and responsible for their own learning. This course provides students with the opportunity to create and design many computer-based laboratory experiments as well as participate in many other hands-on activities. In addition, students will be exposed to advanced college-level laboratory techniques such as DNA extraction, gel electrophoresis, and gene manipulation.

SC5320A AP CHEMISTRY A**1 Year****SC5320B AP CHEMISTRY B****1.5 AP Weighted Credit****SC5320C AP CHEMISTRY C****FEE: \$25.00****(10, 11, 12)****PREREQUISITE: Chemistry and/or teacher recommendation and Algebra 2 (or concurrent enrollment)**

AP Chemistry is an elective laboratory science course intended for students with an interest in chemistry. This college-level course is the equivalent of two semesters of freshmen general chemistry; therefore, the pace is fast. This course provides students with a fundamental understanding of matter and change, scientific measurements, atomic and molecular properties, molecular geometry and bonding, solution chemistry, properties of solutions, gas laws, acids and bases, chemical equilibrium, thermochemistry, electrochemistry, chemical kinetics, nuclear chemistry, and organic chemistry. The use of a hand-held scientific calculator is required. This course prepares students for the Chemistry Advanced Placement Examination.

SC5432A AP PHYSICS 1A-ALG BASED A**1 Year****SC5432B AP PHYSICS 1A-ALG BASED B****1.0 AP Weighted Credit****(10, 11, 12)****FEE: \$25.00****PREREQUISITE: Geometry and/or teacher recommendation**

AP Physics 1 is the equivalent of a first-semester college course in algebra-based physics and is taught over a full academic year. This course covers Newtonian mechanics (including rotational dynamics and angular momentum), work, energy, power, and mechanical waves and sound. It also introduces electric circuits. Students will develop a deep conceptual understanding of the content by focusing on applying their knowledge through inquiry-based labs, in-depth explorations of topics, and through the development and interpretation of conceptual models. Student investigators will foster engagement in the practices of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting where students direct and monitor their progress. This course prepares students for success in subsequent college-level physics courses.

SC5435A AP PHYSICS A-CALC BASED**1 Year****SC5435B AP PHYSICS B- CALC BASED****1.5 AP Weighted Credit****SC5435C AP PHYSICS C- CALC BASED****FEE: \$25.00****(11, 12)****CO-REQUISITE: AP Calculus**

AP Physics-Calc Based is an advanced Physics course for students interested in pursuing engineering and other Physics-related careers. The course prepares students to take both the AP Physics C Mechanics and the AP Physics C Electricity and Magnetism exams. Students must apply calculus-based mathematical relationships to explain and predict physical occurrences. Students will conduct laboratory experiments throughout the course.

Science Electives

SC2010 ASTRONOMY

(11, 12)

PREREQUISITE: Biology, Chemistry or Physics

Astronomy is a course for students who are interested in the planets and the universe around us. Topics will include characteristics of the solar system, a study of the sun to better understand stars and their life cycles, the nature and origin of the universe, and the technology involved in discovering our universe. Nighttime observations and a planetarium field trip are required.

1 Semester

.5 Credit

FEE: \$10.00

SC2020 GEOLOGY

(11, 12)

PREREQUISITE: Biology, Chemistry or Physics

Geology is a course for students who are interested in how our planet works and it changes through time, using the local geology as a laboratory. Topics will include minerals, mining, rock formation, plate tectonics, and landscape formation. Lab study will include a field trip to Rocky Mountain National Park. Students will apply geologic processes to National Parks.

1 Semester

.5 Credit

FEE: \$10.00

SC2120A ENVIRONMENTAL SCIENCE A

SC2120B ENVIRONMENTAL SCIENCE B

(11, 12)

PREREQUISITE: Biology, Chemistry or Physics

This course is designed for students who wish to apply past science course experience to environmental studies. Environmental Science carefully analyzes the relationship of modern humans and their interactions with the environment. The course develops concepts in ecology and the basic laws that govern energy resources use in nature. This course will investigate ecosystem analysis techniques and field studies, basic energy/resource use concepts, pollution sources and impacts, and energy alternatives.

1 Year

1.0 Credit

FEE: \$10.00

SC2140 FORENSIC SCIENCE LAB BASED

(11, 12)

PREREQUISITE: Biology, Chemistry or Physics

Forensic Science is a laboratory-based science class designed for students who are interested in forensic science. The purpose of this course is for students to gain experience in the major investigative techniques currently used by forensic scientists and crime scene investigators, and to develop an understanding of the scientific concepts that serve as the basis for these techniques.

1 Semester

.5 Credit

FEE: \$10.00

SC2150A ANATOMY & PHYSIOLOGY A
SC2150B ANATOMY & PHYSIOLOGY B
(11, 12)

1 Year
1.0 Credit
FEE: \$10.00

PREREQUISITE: Biology, Chemistry or Physics

This is an elective science course that will build on concepts learned in biology and chemistry. It will focus specifically on human anatomy and physiology. Through lectures, labs, and activities students will learn how to structure (anatomy) the human body to fit their function (physiology) to maintain homeostasis of the organism and continue the species. All twelve human body systems will be included, as well as types of tissue and cell chemistry.

Social Studies

SS1111A WORLD GEO/HIST HONORS A

1 Year

SS1111B WORLD GEO/HIST HONORS B

1.0 Honors Weighted Credit

(09)

FEE: None

PREREQUISITE: None

This course is designed for students who desire a rigorous, challenging, in-depth and accelerated study of Geography and World History. The intent is to increase the amount of material covered while improving students' written, spatial, and sequential skills. The course of study includes vocabulary, essay, and extemporaneous projects, as well as advanced reading, writing, and communications skills.

SS1220A US HISTORY A

1 Year

SS1220B US HISTORY B

1.0 Credit

(10)

FEE: None

PREREQUISITE: None

U.S. History focuses on three critical areas: (1) the use of historical method of inquiry to ask questions, evaluate primary and secondary sources, critically analyze and interpret data, and develop interpretations defended by evidence; (2) the understanding of key concepts of continuity and change, cause and effect, complexity, unity, and diversity over time; and (3) the appreciation of the significance of ideas as powerful forces throughout history. Its intent is to help the students gain an understanding of the major political, economic and social events that have shaped the nation. The course emphasizes 20th Century United States history and the contemporary world. These concepts and associated skills are aligned with the Colorado Academic Standards for Social Studies, incorporating 21st Century skills and postsecondary and workforce readiness competencies.

SS1330A US/CO GOVERNMENT A

1 Year

SS1330B US/CO GOVERNMENT B

1.0 Credit

(11)

FEE: None

PREREQUISITE: None

In US Government, instructional time should focus on four critical areas: (1) designing, analyzing and applying a financial plan based on short and long-term financial goals; (2) analyzing strategic spending, saving, and investment options to achieve the objectives of diversification, liquidity, income, and growth (PFL); (3) researching, formulating positions, and engaging in appropriate civic participation to address local, state, or national issues or policies; and (4) describing purposes, origins, structures and limitations of government and (5) analyzing how public policy – domestic and foreign – is developed at all levels. These concepts and associated skills are aligned with the Colorado Academic Standards for social studies, incorporating 21st Century skills and post-secondary and workforce readiness competencies.

**SS1440 PERSONAL FINANCIAL LITERACY
(11, 12)**

**1 Semester
.5 Credit**

PREREQUISITE: None

FEE: None

Personal Financial Literacy focuses on four critical areas: (1) designing and analyzing financial plans for short and long-term goals; (2) analyzing spending, saving, and investment options; (3) analyzing the components of credit and debt; and (4) identifying, developing, and evaluating risk-management strategies. The course emphasizes the analytical and evaluation skills to become “fiscally fit.” These concepts and associated skills are aligned with the Colorado Academic Standards for Social Studies, incorporating 21st Century skills and postsecondary and workforce readiness competencies.

**SS5205A AP US GOVERNMENT/POLITICS A
SS5205B AP US GOVERNMENT/POLITICS B
(11, 12)**

**1 Year
1.0 AP Weighted Credit
FEE: None**

PREREQUISITE: None

This course will provide students with rigorous, critical and analytical study of the United States Government and its political processes, including the studies of the historical and constitutional framework of the U.S. Government, political parties and interest groups, Congress, the Presidency, the Judicial Branch as well as the media. This class is designed to prepare students for the College Board AP test in US Government & Politics. A fee is attached to the AP exam.

**SS5310A AP US HISTORY A
SS5310B AP US HISTORY B
(10, 11, 12)**

**1 Year
1.0 AP Weighted Credit
FEE: None**

PREREQUISITE: None

This course is designed for sophomores, juniors or seniors who have a good background in social studies and a strong interest in U.S. History. Students will be provided with the analytical skills and factual knowledge to deal critically with problems in the field. The course will help develop those skills necessary to arrive at conclusions on the basis of judgment and to present ideas clearly and persuasively in essay format. Substantial reading and writing are required. Evaluation will be based on objective and essay exams, formal research papers, and class discussion. *This course can satisfy the U. S. History requirement as well as a Social Studies elective credit.

**SS5935A AP HUMAN GEOGRAPHY A
SS5935B AP HUMAN GEOGRAPHY B
(09, 10, 11, 12)**

**1 Year
1.0 AP Weighted Credit
FEE: None**

PREREQUISITE: None

AP Human Geography is a rigorous yearlong course that focuses on the interactions of human populations and the interplay with the planet, emphasizing connections and impacts of interactions. Areas of focus include: population and migration, culture (folk and popular culture, language, religion, and ethnicity); economic development; agriculture, industry and services and urban systems. This course meets the 9th grade social studies requirement and is also a STEM elective.

Social Studies Electives

SS2100 CONTEMPORARY GLOBAL ISSUES

(9, 10, 11, 12)

PREREQUISITE: None

1 Semester

.5 Credit

FEE: None

Contemporary Issues is devoted to studying the historical origins and development of domestic and foreign political and social problems that confront contemporary humanity. Possibilities include regional studies (ex. climate change in Colorado or the state of affairs in the Middle East), as well as issues of global concern such as environmental issues, world poverty, sustainable development, and global economic development. Specific topics to explore will be developed in conjunction with the students according to their interests and needs.

SS2120 PSYCHOLOGY

(11, 12)

PREREQUISITE: None

1 Semester

.5 Credit

FEE: None

Psychology is a one-semester course open to interested seniors. Topics studied will include stress management, right/left-brain activities, understanding the psychological state of self and others, learning, intelligence, memory, conflict management, and personality theory. Participation in verbal discussions is required; substantial reading is required.

SS2135 SOCIOLOGY

(12)

PREREQUISITE: None

1 Semester

.5 Credit

FEE: None

Sociology is the study of society with the major emphasis on cultures, social organizations, social processes, and social problems. A variety of teaching methods are used. Student papers and essays and objective assessments are part of the evaluation.

SS5100 AP COMPARATIVE GOVERNMENT

(12)

PREREQUISITE: US/CO Government/Politics or AP US Government/Politics

1 Semester

.5 AP Weighted

AP Comparative Government and Politics introduces students to the rich diversity of political life outside the United States. The course uses a comparative approach to examine the political structures, policies, and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students compare the effectiveness of approaches to many global issues by examining how different governments solve similar problems. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments.

SS5725A AP PSYCHOLOGY A
SS5725B AP PSYCHOLOGY B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: None

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

MS1172A STUDENT COUNCIL A
MS1172B STUDENT COUNCIL B
(9, 10, 11, 12)

2 Semesters
.5 Credit/Semester
FEE: None

PREREQUISITE: Application

This course promotes the development of leadership and character building. The students determine class activities as well as design, organize, and conduct a variety of activities. Activities may include team building, leadership lessons, school service projects, charity drives, homecoming events, school dances, pep rallies, and other student activities. Class responsibilities include commitment outside of school hours to set up for events and take down after events. Students in the Student Council need to be hardworking in and out of the classroom. They also need to demonstrate leadership, initiative, productivity, positive attitudes, and have the ability to work cooperatively with others. They must demonstrate Falcon Spirit and Pride in all they do at Skyline High School.

[Student Council Application](#)

Electives

Art

A1011 EXPLORATIONS OF VISUAL ART

1 Semester

(09, 10)

.5 Credit

PREREQUISITE: VPA Visual Arts Enrollment

FEE: \$30.00

Explorations of Visual Art is an introductory art course for students interested in the VPA Academy and focusing their studies in the Visual Arts. In this class, students will explore media, techniques, subjects and concepts that relate to the different courses of study in the Visual Arts at SHS- 2D Design, Drawing, Photography, Digital Art, Crafts, Metals, Sculpture and Ceramics in order to establish a course of study en route to their senior capstone. Students will choose two different explorations to further develop technical skill in each semester.

A1101 BEGINNING CERAMICS

1 Semester

(09, 10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: \$30.00

Beginning Ceramics is an introductory course designed for students who have an interest in working with clay. Students will work on making functional as well as sculptural pieces, using both hand building and wheel throwing methods. Well thought out design, aesthetics, and the creative development of clay objects examining cultural, historical, and personal modes of expression are emphasized. Students will be expected to develop and maintain a sketchbook, as well as a portfolio that shows evidence of growth in developing their skills as an artist.

A1211 BEGINNING DRAWING

1 Semester

(09, 10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: \$30.00

Beginning Drawing is an introductory class which will focus on drawing techniques and systems used by artists in creating their work. The class involves drawing from observation with an emphasis on developing an understanding of light, shadow, form and proportion. Students will create a variety of drawings based on simple themes such as still life, portraits, figures, nature, and landscapes while learning media specific techniques with a variety of drawing media. Mediums covered may include pencil, pens, charcoal, and/or other drawing media.

A1301 BEGINNING METALS**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: None****FEE: \$30.00**

Students will explore various metalsmithing techniques such as cutting, forging, tab setting, soldering, etching, and enameling in order to create functional or sculptural works of art. Students will be expected to develop and maintain a sketchbook that demonstrates growth in design and sketching, research, and planning while working with metal. *Many of the materials and equipment used are potentially dangerous to people with health concerns like breathing disorders or motor skills disorders.

A1303 ADVANCED METALS**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: Beginning Metals****FEE: \$30.00**

Students will continue to develop the skills learned in Beginning Metals while exploring advanced metalsmithing techniques such as casting, hollow form, chain making, bezel setting, alternative jewelry, and cold joining. Students will use these techniques in addition to further developing the techniques and skills learned in Metals 1 to create functional and/or sculptural works of art. Students will be expected to develop and maintain a sketchbook that demonstrates growth in design and sketching, research, and planning while working with metal. *Many of the materials and equipment used are potentially dangerous to people with health concerns like breathing disorders or motor skills disorders.

**May not be offered every year.*

A1501 BEGINNING PHOTOGRAPHY**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: None****FEE: \$30.00**

This course is designed for students who are interested in learning the fundamentals of photography and digital photography manipulation and computer graphics. It will cover the elements of photographic composition, as well as the basics to intermediate features of Adobe Photoshop. The history of photography and camera settings will be covered. Students will use iPads and personal phones as well as have access to DSLR's. Students will have access to borrow a DSLR, but our supply is limited. The elements and principles of art and the Colorado visual arts standards will guide the curriculum as students develop visual understanding and apply creative critical thinking skills. A lab fee is charged for all studio classes.

A1503 ADVANCED PHOTOGRAPHY**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: Beginning Photography****FEE: \$30.00**

This course is designed to expand on the technical and creative concepts acquired in beginning digital photography. Topics of instruction include photographic history, advanced digital camera functions including different lenses, exposure control, introduction to studio lighting, computer manipulation of images, digital archiving, digital output options, and digital print finishing. The class includes lectures, visual presentations, lab time, and a portfolio presentation. Students will use iPads and personal phones and have access to DSLR's. Students can borrow a DSLR, but our supply is limited. Students are encouraged to use their own. The elements and principles of art and the Colorado visual arts standards will guide the curriculum as students develop visual understanding and apply creative critical thinking skills. A lab fee is charged for all studio classes.

**May not be offered every year.*

A1603 ADVANCED SCULPTURE**1 Semester****(10, 11, 12)****.5 Credit****PREREQUISITE: Beginning Studio Art****Fee \$25.00**

This class is recommended for students who excel in Sculpture. Students who take this course should have a high level of motivation, diligence, commitment, and independence. Students will be encouraged to develop a personal direction or "voice" in their work. In addition to work created in class, students will be expected to work outside class time, participate in critiques and discussions, complete daily exercises to advance skills, maintain a sketch book, and prepare their work for showings.

A1931 BEGINNING STUDIO ART**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: None****FEE: \$30.00**

Studio Art introduces students to a variety of two dimensional media (collage, drawing, painting, digital, photography, printmaking, etc.) and techniques. Students will develop visual literacy through the Elements & Principles of 2D design and composition while exploring visual thinking and creative problem solving in order to solve a variety of visual problems.

A5010A AP DRAWING A**1 Year****A5010B AP DRAWING B****1.0 AP Weighted Credit****(11, 12)****FEE: \$30.00/Semester****PREREQUISITE: Advanced Drawing or FRC Art 1201 Drawing I and/or teacher recommendation**

AP Drawing is a course designed to be the equivalent of a general entry-level college art course that culminates with the submission of a portfolio to the national College Board association in May of the participatory school year. According to the AP College Board, all sorts of art that involve directly making marks on a surface can fit into this portfolio. Students may work with traditional drawing media -- such as pencils, ink, and pastels -- and more modern media such as white out, gouache, art markers and other media capable of making a mark. Light and shade, line quality, rendering of form, composition, surface manipulation, and the illusion of depth are drawing issues that will be addressed. Abstract, observational, and inventive works may be submitted. Any work submitted in the drawing portfolio that incorporates digital or photographic processes must address drawing issues such as those listed above, with emphasis on mark making. (apcentral.collegeboard.com) This course is designed to support the College Board standards for this class and projects are assigned accordingly. First semester focuses on a more structured curriculum developing compositional skills and concept building, with media and individual responses to themes or individual subject choices being largely self-determined. Second semester focuses on developing individual direction and voice. Students who take this course should have a high level of self-motivation, diligence, commitment, and independence.

A5110A AP 2D ART AND DESIGN A**1 Year****A5110B AP 2D ART AND DESIGN B****1.0 AP Weighted Credit****(11, 12)****FEE: \$30.00/Semester****PREREQUISITE: Advanced Studio Art: Digital Media or Advanced Studio Art, or Advanced Digital Photography, or Advanced Crafts and/or teacher recommendation.**

AP 2D Art and Design is a course designed to be the equivalent of a general entry-level college art course that culminates with the submission of a portfolio to the national College Board association, in May of the participatory school year. According to the AP College Board, the 2-dimensional design portfolio: "is intended to address a broad interpretation of two-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value and color) are like a palette of possibilities that artists use to express themselves. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. These principles include unity/variety, balance, emphasis, rhythm and proportion/scale. A variety of approaches to representation, abstraction and expression may be part of the student's portfolio...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, printmaking, etc." (apcentral.collegeboard.com) At Skyline, the course is designed to support the College Board standards for this class and projects are assigned accordingly. First semester focuses on a more structured curriculum developing compositional skills and concept building, with technique being largely self-driven. Second semester focuses on developing one's individual direction and voice. Students who take this course should have a high level of motivation, diligence, commitment, and independence.

A5210A AP 3D ART AND DESIGN A**1 Year****A5210B AP 3D ART AND DESIGN B
(11, 12)****1.0 AP Weighted Credit****FEE: \$30.00/Semester****PREREQUISITE: Advanced Ceramics, or Advanced Metals, or Advanced Sculpture, or Advanced Crafts, or teacher recommendation.**

AP 3D Art and Design is a course designed to be the equivalent of a general entry-level college art course that culminates with the submission of a portfolio to the national College Board association, in May of the participatory school year. According to the AP College Board, the 3-dimensional design portfolio: "is intended to address a broad interpretation of three-dimensional design issues. This type of design involves purposeful decision-making about how to use the elements and principles of art in an integrative way. The elements of design (line, shape, illusion of space, illusion of motion, pattern, texture, value and color) are like a palette of possibilities that artists use to express themselves. The principles of design help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. These principles include unity/variety, balance, emphasis, rhythm and proportion/scale. A variety of approaches to representation, abstraction and expression may be part of the student's portfolio...students are asked to demonstrate proficiency in 3-D Design using a variety of art forms and media. These include, but are not limited to, clay, wire, found object, paper, papier mache, wood, plaster, stone, mobile, functional, sculptural, etc." (apcentral.collegeboard.com) At Skyline, the course is designed to support the College Board standards for this class and projects are assigned accordingly. First semester focuses on a more structured curriculum developing compositional skills and concept building, with technique being largely self-driven. Second semester focuses on developing one's individual direction and voice. Students who take this course should have a high level of motivation, diligence, commitment, and independence.

PS4105 FRC ART 1002 VISUAL CONCEPTS 2D DESIGN**1 Semester****(10, 11, 12)****.5 Fine Arts Credit****PREREQUISITE: Studio Art****FEE: \$30**

This course Examines the basic elements of design, visual perception, and artistic form and composition as they relate to two-dimensional media. Students will use a variety of two-dimensional media for design projects; identify and describe the design process and visual artworks using art terminology; develop visual literacy through the basic elements and principles of two-dimensional design.; demonstrate two-dimensional design competencies by creating compositions that visually communicate intent, creativity, and self-expression; and, analyze and evaluate two-dimensional works of art.

PS4121 FRC ART 1201 DRAWING I**1 Semester****(11, 12)****.5 Credit****PREREQUISITE: Beginning Drawing****FEE: \$30.00**

Investigates the various approaches and media that students need to develop drawing skills and visual perception.

PS4171 FRC ART 1703 CERAMICS I**(11, 12)****1 Semester****.5 Credit****PREREQUISITE: Beginning Ceramics****FEE: \$30.00**

Introduces traditional and contemporary approaches to ceramic form and processes, with an emphasis on hand building techniques, and a basic introduction to the potter's wheel.

VP4005 VPA CAPSTONE**(12)****2 Semesters****.25 Credit/Semester****PREREQUISITE: VPA Senior in good standing with the VPA Academy****FEE: None**

This course is specifically designed for Visual & Performing Arts Academy seniors to take during the first and second semester in collaboration with their VPA advisor. The VPA Capstone Project consists of two parts: documentation of outstanding previous work throughout student tenure in the VPA program, as well as a culminating showcase and record of newly crafted work. These pieces can all be built into concurrent VPA classes.

Business

CTE80100 FRC BUS 1002 ENTREPRENEURIAL OPERATIONS

1 Semester

(09, 10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: None

This course inspires and engages students with perseverance and determination of an entrepreneurial mindset needed to succeed in business, life and academics. It covers major aspects of small business management to enable the entrepreneur to successfully begin their own business. This course provides the basic concepts of marketing, principles of management and finance needed to manage a small business. This course provides for experiential learning beyond the classroom, making connections, understanding business concepts, and building relationships that support the student throughout college and careers.

PS4275 FRC MAN 2025 MANAGERIAL FINANCE

1 Semester

(10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: None

This course examines the concepts and techniques used to analyze financial accounting information for managerial planning, decision-making, and control. Additionally, the course discusses decision-making relating to the areas of budgets, forecasts, cost volume production, Return on Investment (ROI) and financial statements.

PS3850 FRC BUS 2016 LEGAL ENVIRONMENT OF BUSINESS

1 Semester

(10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: None

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.

PS4285 FRC MAR 1055 SOCIAL MEDIA BUSINESS

1 Semester

(9, 10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: None

Teaches students how to use social media as a business strategy and covers how to match that strategy with the goals of the business. This course addresses current trends, ethics, regulations, legal challenges, strategy, content development, and change management. This course helps students develop a better understanding of how marketing with social media is similar to and different from traditional marketing and how to best use online methods to further business goals.

PT7320 FRC CIS 1018 INTRO PC APPLICATIONS

1 Semester

(09, 10, 11, 12)

.5 Credit

PREREQUISITE: None

Fee: None

This course introduces basic computer terminology, file management, and PC system components. Provides an overview of office application software, including word processing, spreadsheets, databases, and presentation graphics. Includes the use of a web browser to access the Internet.

Computer Science

CS5110A AP COMPUTER SCIENCE PRINCIPLES A

1 Year

CS5110B AP COMPUTER SCIENCE PRINCIPLES B

1.0 AP Weighted Credit

(10, 11, 12)

FEE: None

PREREQUISITE: None

AP Computer Science Principles is an intro course in computer programming. The goals of this course are comparable to a first-year college course in computer science. The course is intended to serve both as an introductory course for computer science majors and as a substantial course for those who will major in other disciplines that require significant involvement with computing. The topics covered will be those set by the Advanced Placement course description for Computer Science Principles. Students who successfully complete this course usually elect to take the Advanced Placement examination at the Computer Science Principles level. AP Computer Science Principles will be taught using python and javascript programming languages.

Family & Consumer Sciences

CTE (Career and Technical Education) programs provide work-based learning opportunities within the classroom. Some programs offer work based learning outside of the classroom. Students interested in any of the following opportunities should check with their CTE instructor or counselor for more information: Internships, Apprenticeships, Work Study, and School-Based Enterprises.

CTE9060 CAREER PATHWAYS

1 Semester

(09, 10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: None

This course is designed to identify career interest areas based on your goals, individual skills, and aptitudes. Investigate interests, abilities and goals through various projects, and career testing procedures. Students will develop a usable education and career portfolio containing items necessary for post-secondary education and job search. Interact with professionals who work in various career areas through career panels, a job shadow and a mock interview.

CTE9410 NUTRITION AND WELLNESS

1 Semester

(09, 10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: None

The purpose of the course is to develop lifelong, healthy individuals with an understanding and academic knowledge of wellness as a lifestyle, exercise and fitness, nutrition, and consumer products and services. Emphasis is placed on implementing healthy nutritional choices, developing a fitness/wellness plan, integrating science principles as related to nutrition, and practicing wise consumer decisions.

CTE9441 INTERPERSONAL RELATIONSHIPS

1 Semester

(9, 10, 11, 12)

.5 Credit

PREREQUISITE: None

FEE: None

This course deals with everyday life and interpersonal interactions that every person may encounter during a lifetime. Class begins with knowing oneself better. Students will explore relationships with friends, family and coworkers, as well as one's significant other. It allows students to think about their personal future and issues. The purpose of the course is to acquire academic knowledge and understanding for healthy, respectful, and caring relationships across the life span. Emphasis is placed on family and friend dynamics, effective communication, and healthy interpersonal relationships. Topics include communications skills, conflict resolution, stress management.

CTE9450 EDUCATION EXPLORATION

1 Semester

(9, 10)

.5 Credit

PREREQUISITE: None

FEE: None

Education Exploration is a semester course designed to provide students with an overview of professions within education. Students will discover their own learning style and how learning styles impact teaching and the delivery of lessons. Experiences with various education professionals will enhance the understanding of classroom planning, licensure requirements, and career opportunities within school systems.

Miscellaneous Electives

MS2115 TUTOR PEER

1 Semester

(10, 11, 12)

0.5 Credit

PREREQUISITE: Application process

FEE: None

ELL (English Language Learners)

The purpose of this program is to support ELL students in their core classes who are currently learning English. Tutors will be placed into core classes to help clarify assignments for Newcomer students. Tutors should collaborate with classroom teachers to determine the best approach to tutoring for each class. Upon successful completion of the semester, peer tutors will receive .5 credit. The goal of this program is to provide support to ELL students, as well as teachers.

[Tutor Peer Application](#)

Special Education

The purpose of this program is to support students with special needs in their classes. Tutors will be placed into core/elective classes to help motivate and support students. The peer tutor will understand the importance of developing a supportive and trusting relationship with a student receiving special education services while ensuring inclusion in the classroom both academically and socially.

[Tutor Peer Application](#)

Music

Instrumental

MU1105A CONCERT BAND A

1 Year

MU1105B CONCERT BAND B

1.0 Credit

(09, 10, 11, 12)

FEE: \$20.00

PREREQUISITE: Previous band experience

Concert Band is a non-auditioned ensemble for students with previous instrumental experience. This band performs at numerous concerts, festivals, athletic events, and clinics throughout the year. This ensemble focuses on the development of comprehensive musicians. Concert Band combines with Symphonic Band and Percussion Ensemble to form the Skyline Pep Band.

MU1201A JAZZ BAND A

1 Year

MU1201B JAZZ BAND B

1.0 Credit

(09, 10, 11, 12)

FEE: \$20.00

PREREQUISITE: Audition and concurrent enrollment in a band class and/or Percussion Ensemble

This advanced course is open by audition to any student who plays an appropriate jazz instrument. Jazz Band provides an opportunity for students to continue instrumental development at an intermediate/advanced level. A high level of musicianship is expected. Jazz Band is an ensemble that will focus on performing many different styles of music such as rock, swing, Latin, bebop, and others. An emphasis on improvisation will be introduced, and the students will get ample opportunity to exercise those skills. There will be a mandatory three to five performances each year.

MU1300A PERCUSSION ENSEMBLE A

1 Year

MU1300B PERCUSSION ENSEMBLE B

1.0 Credit

(09,10,11,12)

FEE: \$20.00

PREREQUISITE: Previous percussion or instrumental experience and the ability to read music.

This is a non-auditioned ensemble for students with previous instrumental music experience. The focus is on teaching the fundamentals of percussion performance, including proper technique, rudiments, and performance experiences on all of the percussion instruments. All students are required to perform as a member of the Skyline Pep Band as well. Students will perform at concerts, athletic events, and other events when needed. Students are responsible for purchasing concert drumsticks and appropriate mallets to use throughout the course.

MU1401A SYMPHONIC BAND A
MU1401B SYMPHONIC BAND B
(09, 10, 11, 12)

1 Year
1.0 Credit
FEE: \$20.00

PREREQUISITE: Audition only

The Symphonic Band is the top concert band at Skyline High School. Symphonic Band represents a group of advanced musicians who perform a wide variety of high quality literature. This elite ensemble performs at numerous concerts, festivals, and clinics throughout the year. Symphonic Band combines with Concert Band and Percussion Ensemble to form the Skyline Pep Band. Students are expected to be proficient on their instruments and maintain a high level of commitment throughout the year.

MU1411A MARIACHI BAND A
MU1411B MARIACHI BAND B
(09, 10, 11,12)

1 Year
1.0 Credit
FEE: \$20.00

PREREQUISITE: Prior music experience

This course is designed for students who have some prior experience in mariachi or have prior experience playing an instrument or singing. Mariachi-specific instruments will be taught in this class including guitar, vihuela, and guitarron. Trumpet, violin, and vocal students that are beginners are encouraged to enroll in an orchestra, band or choir class to learn the basic music fundamentals. Music fundamentals include music reading, rhythm, and technique development needed for each instrument. Students are eligible to participate in some campus concert venues. Music of all mariachi genres is explored. This course may be repeated for additional credit.

MU1413A MARIACHI BAND ADVANCED A
MU1413B MARIACHI BAND ADVANCED B
(09, 10, 11,12)

1 Year
1.0 Credit
FEE: \$20.00

PREREQUISITE: Director Audition and prior Mariachi experience

Mariachi Halcones is the premier performing mariachi at Skyline High School. This ensemble is highly engaged in the local and regional community and performs at a large number of high-profile community events every year. Participation in this class requires previous experience in mariachi, both playing and instrument and singing, and also requires passing an audition. Music from all sub-genres of mariachi will be learned and performed. Speaking Spanish fluently is not a requirement, but learning lyrics and pronunciation for songs is required.

MU1510 A STRING ORCHESTRA A
MU1510 B STRING ORCHESTRA B
(09, 10, 11, 12)

1 Year
1.0 Credit
FEE: \$20.00

PREREQUISITE: Prior Music Experience

String Orchestra is for students who have prior experience on the violin, viola, cello, or string bass. String Orchestra will perform literature from all periods from traditional to contemporary. Students will be learning string skills and techniques needed to be ready to move into Symphony Orchestra. The string orchestra will perform at concerts at Skyline, and potentially festivals, and clinics each year. This course may be repeated for additional credit.

MU1515A SYMPHONIC ORCHESTRA A
MU1515B SYMPHONIC ORCHESTRA B
(09, 10, 11, 12)

1 Year
1.0 Credit
FEE: \$20.00

PREREQUISITE: Audition only

Symphony orchestra is an advanced orchestra designed for students who would like to play more challenging orchestral music. The orchestra will perform both string and full orchestra literature of all periods from traditional to contemporary, combining with the Symphonic Band students. Like the String Orchestra, this ensemble will perform at numerous concerts, festivals, and clinics throughout the year. This course may be repeated for additional credit.

MU2201 GUITAR 1
(09, 10, 11, 12)

1 Semester
.5 Credit
FEE: \$20.00

PREREQUISITE: None

This is a beginner course in classical guitar technique. Students will learn to read music and play melodies and chords on acoustic guitar. Guitar 1 is an entry-level course designed to introduce rhythmic literacy, note reading, chord knowledge, and tablature. Students will perform in both solo and ensemble formats throughout the semester.

MU2302 MUSIC EXPLORATION
(09, 10, 11, 12)

1 Semester
.5 Credit
FEE: None

PREREQUISITE: None

Are you interested in learning to play the guitar, drums, or piano? This class provides a fun opportunity to get acquainted with these instruments in a low pressure, entertaining way. Students will explore music of all styles with a special emphasis placed on letting students develop their musical talents at their own pace. No previous musical experience is necessary. We will cover topics such as music history, theory, composition, etc.

Vocal

MU2010 A A CAPPELLA/JAZZ CHOIR A

1 Year

MU2010 B A CAPPELLA/JAZZ CHOIR B

1.0 Credit

(09, 10, 11, 12)

FEE: \$20.00

PREREQUISITE: Audition only, membership in Allegro Singers

Alpine Jazz Choir is a 14-16 member jazz choir consisting of Skyline's strongest vocalists. This ensemble focuses on more contemporary music, including (but not limited to) jazz, show-tunes, pop, and contemporary a cappella. They perform in a minimum of four concerts a year, as well as additional community and school functions. Membership is audition-based and a yearlong commitment.

MU2015 A ALLEGRO SINGERS A

1 Year

MU2015 B ALLEGRO SINGERS B

1.0 Credit

(10, 11, 12)

FEE: \$20.00 - plus concert attire

PREREQUISITE: Audition only

Allegro Singers is an advanced mixed choral ensemble consisting of Skyline's most experienced, dedicated, and committed upperclassmen vocalists. They perform in a minimum of four concerts a year, as well as additional community and school functions. They will further develop their musical skills and knowledge, with a direct focus on vocal technique and music literacy. Students will work with a wide variety of music from different cultures and time periods. Membership is audition based and a yearlong commitment.

MU2040A CONCERT CHOIR A

1 Semester or 1 Year

MU2040B CONCERT CHOIR B

.5 Credit/Semester

(09, 10, 11, 12)

FEE: \$20.00 - plus concert attire

PREREQUISITE: None

Concert Choir is an entry-level mixed gender choral ensemble designed to develop musicianship skills and vocal technique. They perform in a minimum of four concerts a year (two each semester). Focus will be placed on basic musical skills and music literacy. Students will learn a wide variety of music from different cultures and time periods. Participation and development of singing skills will be emphasized in daily rehearsals.

MU2050A FALCONNAIRES A**1 Year****MU2050B FALCONNAIRES B****1.0 Credit****(09, 10, 11, 12)****FEE: \$20.00 - plus concert attire****PREREQUISITE: Audition only and/or Choir experience**

Falconnaires is an intermediate women's choral ensemble designed to further develop the female voice while expanding on choral skills, such as tone, blend, musicality, and music theory. They perform in a minimum of four concerts a year. Falconnaires members are dedicated to singing and possess some past sight singing and music reading skills. Students will work with a wide variety of music from different cultures and time periods. Membership is audition based and a yearlong commitment.

MU2060A TENOR/BASS CHOIR A**1 Year****MU2060B TENOR/BASS CHOIR B****1.0 Credit****(09, 10, 11, 12)****FEE: \$20.00 - plus concert attire****PREREQUISITE: Audition only and/or Choir experience**

Men's Choir is an intermediate men's choral ensemble designed to further develop the male voice while expanding on choral skills, such as tone, blend, musicality, and music theory. They perform in a minimum of four concerts a year. Men's Choir members are dedicated to singing and possess some past sight singing and music reading skills. Students will work with a wide variety of music from different cultures and time periods. Membership is audition based and a yearlong commitment.

Miscellaneous Music Electives

MU1315A UNIFIED PERCUSSION ENSEMBLE A**1 Year****MU1315B UNIFIED PERCUSSION ENSEMBLE B****1.0 Credit****(10, 11, 12)****FEE: None****PREREQUISITE: None**

In Unified Percussion our goal is to experience music-making in different ways, primarily through the playing of percussion instruments. During this course, we will explore new sounds, rhythms, instruments, and activities that allow us to make music as a group. Each day we will strive to grow our skills as musicians through learning rhythms, keeping a steady beat, identifying different instruments, learning percussion instrument technique, and performing for each other.

MU3010 MUSIC THEORY**1 Semester****(10, 11, 12)****.5 Credit****PREREQUISITE: None****FEE: None**

This class is for the student who wishes to learn how to read, understand, and perform tonal music. We will discuss pitch, rhythm, melody, harmony, dynamics, articulation, tempo, key and time signatures, solfege, and a variety of other fundamental elements. The goal for this class is to obtain a better ear and intellect for music.

MU5105A AP MUSIC THEORY A

1 Year

MU5105B AP MUSIC THEORY B

1.0 AP Weighted Credit

(10, 11, 12)

FEE: \$20.00

PREREQUISITE: .5 credit in any choir, band, orchestra or guitar class

This Advanced Placement music theory course is for experienced musicians who wish to continue their studies from basic music theory. In-depth instructions will be given regarding topics of music notation, scales, tonality, form, harmonic analysis, part writing, composition, and ear training. This course prepares students for the Advanced Placement exam in May. This course is strongly recommended for all music VPA students.

Physical Education

H1100 HEALTH

1 Semester

(09)

.5 Credit

PREREQUISITE: None; however, this class is required for graduation

FEE: None

This course is designed to provide essential learning in the areas of health. The expectation is that the course work will help in making informed decisions in regards to behaviors that affect various aspects of health and well-being. The major unit topics to be covered include Physical and Mental Wellness, Understanding Sexuality (as outlined by Board of Education Policy), Destructive Behaviors and Addictions, and Safety and Well-Being.

PE1100 HIGH SCHOOL CORE PE

1 Semester

(09)

.5 Credit

PREREQUISITE: None

FEE: None

This class is designed to give students the opportunity to improve personal fitness and participate in a variety of team and dual sports. Students will learn the basic rules and skills for the following possible activities: softball, soccer, basketball, volleyball, flag football, Ultimate Frisbee, golf, table tennis, badminton, pickleball, fitness/conditioning and weight training. Emphasis will be placed on participation.

PE1131 IRONWORKS I

1 Semester

(10, 11, 12)

.5 Credit

PREREQUISITE: High School Core PE

FEE: None

This is an introductory-level course designed to familiarize students with weight room procedures, safety precautions, and various lifting techniques. This course may include; strength training, plyometrics, speed and agility training, and fitness activities. Emphasis will be on bench, squat, power clean, and the associated auxiliary exercises.

PE1145 NET & TARGET

1 Semester

(10, 11, 12)

.5 Credit

PREREQUISITE: High School Core PE

FEE: None

This class will include sport/activities where a net, or a target, is used, and scoring is accomplished for your own territory. The students will be expected to (1) Participate at a competent level in a variety of lifelong physical activities and understanding the cognitive impact of movement, (2) Apply rules, principles, problem-solving skills and concepts to traditional and nontraditional movement settings, (3) Establish goals based on fitness assessment data as well as developing, implementing, achieving, and monitoring individual health and fitness plans, (4) Participate regularly in health-enhancing physical activities, (5) Demonstrate responsible behavior and respect for others as well as collaboration, cooperation, and leadership skills, (6) Understand the risks and safety factors that may affect participation in physical activity. Activities may include but are not limited to: tennis, badminton, speedminton, volleyball, golf and disc golf, basketball, pickleball and spikeball.

PE1185 YOGA AND NUTRITION**1 Semester****(10, 11, 12)****.5 Credit****PREREQUISITE: High School Core PE****FEE: None**

This class will present basic Yoga principles and practices as a foundation for managing wellness through physical fitness/awareness, stress reduction, mindfulness and teamwork, with emphasis placed on the relationship between nutrition and wellness. Students will also focus on relationship building and practice getting out of their comfort zone.

PE2010 ATHLETIC TRAINING & FIRST AID**1 Semester****(10, 11, 12)****.5 Credit****FEE: \$10.00****PREREQUISITE: Successful completion of any PE course and/or teacher approval**

This course introduces clinical approaches to the prevention and treatment of injuries common to active lifestyles, including acute and overuse injuries. This class is designed to give a general overview of all aspects of athletic training and general anatomy. This course will also provide the student with a laboratory and internship experience. This experience is designed to expose the student to the practice of athletic training and other sports medicine careers. Standard first aid and CPR training will be covered and upon completion a first aid/CPR card will be awarded.

PE2020 SPORTS MARKETING**1 Semester****(10, 11, 12)****.5 Credit****FEE: None****PREREQUISITE: Application process and successful completion of any PE course and/or teacher's approval.**

In the Sports Marketing and Media Production course, students will plunge into the captivating realm of sports marketing, emphasizing media content creation for our school's diverse athletic and club events. Designed for students passionate about marketing and committed to hands-on involvement in after-school activities, this class offers extensive training in multimedia, from photography and videography to graphic design. By attending after-school events, students can capture authentic content, highlighting our athletic and club milestones. The curriculum delves deep into marketing concepts like target audience identification, promotional techniques, market analysis, and branding. Predominantly project-based, this course ensures students can practically apply their knowledge to produce engaging media.

****Application is required for enrollment**, ensuring participants are genuinely committed and suited for this dynamic course.**

[Sports Marketing Application](#)

STEM

CS1110A EXPLORATIONS IN STEM A

1 Year

CS1110B EXPLORATIONS IN STEM B

1.0 Credit

(09, 10)

FEE: \$10.00

PREREQUISITE: None

This full-year course provides students with a foundation in the topics and skills necessary for success in upper-level STEM courses. Students will use the engineering design process to complete group projects in which they design, build, and test specific devices. Students will develop hands-on skills used in the manufacturing process and design projects using CAD software while fostering both teamwork and communication. Students will also explore STEM-related careers and post-secondary educational requirements. **This course will be offered in alternate years.*

CS1120A CREATIVE ENGINEERING A

1 Year

CS1120B CREATIVE ENGINEERING B

1.0 Credit

(9, 10 - runs in alternate years)

FEE: \$10.00

PREREQUISITE: None

This full-year course allows students to learn content that will help support their development of solutions as they dive into a project-based curriculum that revolves around the engineering design cycle. Students will explore career paths related to projects completed. Students will continue to hone their verbal and written communication skills, as well as their ability to work effectively in groups. **This course will be offered in alternate years.*

CS1125A ADVANCED ENGINEERING A

1 Semester

CS1125B ADVANCED ENGINEERING B

.5 Credit

(11)

FEE: \$10.00

PREREQUISITE: Creative Engineering and/or teacher recommendation

The primary objective of the advanced engineering projects course(s) is to provide an in-depth study of a specific engineering discipline primarily through open-ended, hands-on design experiences. The course(s) will begin with a specification of design objectives and constraints. They will continue through the development, documentation, and analysis of design ideas. They will end with the process of building and testing the solution. Through the cycle, the students are expected to follow a logical process involving careful documentation and quantitative analysis using mathematical tools and scientific principles.

**Note: Advanced Engineering A is not a prerequisite for Advanced Engineering B. The letters indicate which semester the course is taken: A=Fall; B=Spring*

CS4110A SR ENGINEERING DESIGN PROJECT A
CS4110B SR ENGINEERING DESIGN PROJECT B
(12)

1 Year
1.0 Credit
FEE: \$10.00

PREREQUISITE: Advanced Engineering

In this course students will complete a yearlong engineering design project. Students will first select an area of emphasis for their project. They will research and select a problem within this area to attempt to solve. They will research current technology and applicable sciences to then develop a design for a solution to the problem. They will construct models and prototypes to evaluate and refine their design. Students will conduct formal presentations and will create a poster and website to document their project. Also, students will be expected to present their projects at a Capstone event in April. Part of the course will be devoted to guiding students in preparation for their transition into post-secondary education.

Technical Theatre and Drama

CTE9961 BASIC TECHNICAL THEATRE

(09, 10, 11, 12)

1 Semester

.75 Credit/Semester

PREREQUISITE: Application Process

FEE: \$25.00

This is an introductory class in the Technical Theatre Vocational Education series and may only be taken one time for credit. It is designed for students who are interested in the backstage component of stage productions. This class focuses on basic elements of technical theatre. Students will study an overview of scenery, lighting, sound, props, costumes, and makeup as it relates to theatre. This is a hands-on class, and students will have the opportunity to build and create elements of a theatrical production.

[Technical Theatre Application](#)

CTE9971A INTERMED TECHNICAL THEATRE A

1 Year

CTE9971B INTERMED TECHNICAL THEATRE B

1.0 Credit

(10, 11, 12)

FEE: \$25.00

PREREQUISITE: Application Process and successful completion of Basic Technical Theatre and/or teacher approval

This is the second-level class in the Technical Theatre Vocational Education series. One-semester options are available with instructor approval. This class builds on skills learned in Basic Technical Theatre. It continues to focus on set construction, basic lighting, basic theatre maintenance, and the application of this knowledge in the day-to-day operations of the VBCA stage. Students completing this class will be certified in the basic operation of VBCA lighting and sound systems. This class supports Skyline performing arts events, and students are expected to participate in running some after-school events. Additional credits for participating students are available through the CTE 9999 course.

[Technical Theatre Application](#)

CTE9981A ADVANCED TECHNICAL THEATRE A**1 Year****CTE9981B ADVANCED TECHNICAL THEATRE B****1.0 Credit****(10, 11, 12)****FEE: \$25.00****PREREQUISITE: Application Process and Successful completion of Basic Technical Theatre and/or teacher approval**

This is the most advanced level of classes in the Technical Theatre Vocational Education series. It may be taken repeatedly for credit with instructor approval. One-semester options are available with instructor approval. This class continues building on skills learned in Technical Theatre. It continues to focus on higher levels of set construction, lighting, theatre maintenance, operation of the fly system and applying this knowledge in the day-to-day operations of the VBCA. Students completing this class will be expected to be leaders in the program and certified for the operation of VBCA lighting, sound, and fly systems. This class supports Skyline performing arts events, and students are expected to participate in running those events. Additional credits for participating students are available through the CTE 9999 course.

[Technical Theatre Application](#)

PA1101 DRAMA 1**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: None****FEE: None**

Students will learn basic skills in acting through vocalization, movement, characterization, scenes and final monologue performances. They will also gain an understanding of basic theatre terms and confidence in stage presence.

PA1102 DRAMA 2**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: Drama 1****FEE: None**

Students will build on what they learned in Drama 1. They will explore more in depth scenes and monologues while building their theatrical skills. Note: This is a performance class. Students will be expected to perform solo vocal works in front of their peers.

PA2015 MUSICAL THEATER**1 Semester****(09, 10, 11, 12)****.5 Credit****PREREQUISITE: Audition Application****FEE: None**

This course is for students who audition and are selected as members of the FALL musical. Students will improve their skills in music theory, sight-reading, dance, and acting by preparing for the Musical Production. Students hoping to audition should register for the Basic Technical Theatre course. Students who are not selected for the musical will remain in Basic Technical Theatre to hone their skills for improved performance. Those who are selected will be moved to Musical Theater.

[Musical Theatre - Audition ONLY Sign Up](#)

World Language

WL1101A FRENCH 1A

1 Year

WL1101B FRENCH 1B

1.0 Credit

(9, 10, 11, 12)

FEE: None

PREREQUISITE: None

Welcome to the French-speaking world! In this course, you will be introduced to the language and culture of France, as well as that of other Francophone nations. We will focus on Interpretive, Interpersonal and Presentational communication. Students will learn to express basic information about themselves and their friends and family. By the end of the year students will be able to communicate at a Novice-High level.

WL1102A FRENCH 2A

1 Year

WL1102B FRENCH 2B

1.0 Credit

(9, 10, 11, 12)

FEE: None

PREREQUISITE: French 1 and/or teacher recommendation

As the study continues, knowledge of the French language and Francophone culture will expand and deepen. The everyday language used for survival skills will be expanded. The student's personal communication skills will allow for more meaningful conversations with others. The class will continue to work on many projects that will help showcase emerging language skills. By the end of the year students will be able to communicate at an Intermediate-Low level.

WL1103A FRENCH 3A

1 Year

WL1103B FRENCH 3B

1.0 Credit

(10, 11, 12)

FEE: None

PREREQUISITE: French 2 and/or teacher recommendation

French 3 is a continuation of French 1 and 2 and builds upon the proficiency acquired in those classes. Students will expand their knowledge of the French language, giving them the ability to express more complex thoughts. They will continue to work on Interpersonal, Interpretive and Presentational communication. Students will increase their vocabulary so that they are able to discuss and express opinions about a variety of subjects that affect them, their society and the world. Students will continue to learn about art, music, history and film from Francophone countries. This year, students will begin their exploration of French literature. Most courses will be conducted solely in French. By the end of the year students will be able to communicate at an Intermediate-Mid level.

WL1104A FRENCH 4A
WL1104B FRENCH 4B
(11, 12)

1 Year
1.0 Credit
FEE: None

PREREQUISITE: French 3 and/or teacher recommendation

This course is designed and taught in such a way as to provide students with an authentic atmosphere in which to acquire the French language. Building on the foundation of beginning level courses, the level 4 course will continue to use French exclusively as the language for instruction, communication and presentation. Emphasis is placed on improving students' Interpersonal, Interpretive and Presentational skills. We will explore deeper cultural topics. Oral presentations, group work, informal conversation, compositions and class discussions will help students enhance their language skills in French. By the end of the year students will be able to communicate at an Intermediate-High level.

*** Information about World Language Proficiency Levels can be located at:

<https://sites.google.com/svvsd.org/worldlanguage> ****

WL5100A AP FRENCH LANGUAGE A
WL5100B AP FRENCH LANGUAGE B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: French 3 and/or teacher recommendation

This course is designed and taught in such a way as to provide students with an authentic atmosphere in which to acquire the French language. Building on the foundation of beginning level courses, the AP course will continue to use French exclusively as the language for instruction, communication and presentation. Emphasis is placed on improving students' Interpersonal, Interpretive and Presentational skills. We will explore deeper cultural topics under the umbrella of the AP themes. Oral presentations, group work, informal conversation, compositions and class discussions will help students enhance their language skills in French. By the end of the year students will be able to communicate at an Intermediate-High level and will be prepared to pass the AP French exam.

WL1151A SPANISH 1A
WL1151B SPANISH 1B
(09, 10, 11, 12)

1 Year
1.0 Credit
FEE: None

PREREQUISITE: None

This course offers an introduction to the language and culture of the Spanish-speaking world. Areas of study will include basic communication skills (listening, speaking, reading, writing) and culture. Using these skills, the student will be able to describe people and things, talk about likes and dislikes, order food, buy clothing, talk about the weather, and much more. Students will also learn about Hispanic culture through readings, films, and other activities. If you are able to hold a basic conversation in Spanish consider Spanish For Spanish Speakers Class.

WL1152A SPANISH 2A**WL1152B SPANISH 2B****(09, 10, 11, 12)****PREREQUISITE: Spanish 1**

This course continues to develop the five language learning components. Using more complex patterns of communication, the student will be able to talk about the past, tell stories, increase vocabulary and explore travel topics. Students will also learn about Hispanic culture through reading, films, music, and other activities

1 Year**1.0 Credit****FEE: None****WL1153A SPANISH 3A****WL1153B SPANISH 3B****(10, 11, 12)****PREREQUISITE: Spanish 2 and/or teacher recommendation**

This course offers students the opportunity to synthesize the knowledge and skills students have acquired in the previous levels. Students can begin to express themselves in more sophisticated ways as well as to expand their understanding of the spoken and written language. Although speaking and listening skills are paramount, there is an increased emphasis on reading and writing.

1 Year**1.0 Credit****FEE: None****WL1154A SPANISH 4A****WL1154B SPANISH 4B****(11, 12)****PREREQUISITE: Spanish 3 and/or teacher recommendation**

This course offers students the opportunity to develop advanced language skills. Students will read authentic Literature; study the history and geography, and master more complex grammar structures. Emphasis continues to be placed on the development of the student's ability to express him/herself and communicate effectively.

1 Year**1.0 Credit****FEE: None****WL1156A SPANISH FOR SPANISH SPEAKERS 1A****WL1156B SPANISH FOR SPANISH SPEAKERS 1B****(09, 10, 11, 12)****PREREQUISITE: None**

This course is designed for the student who already has a foundation of the Spanish language. Reading and writing will be the primary focus, with an extensive amount of time on grammar. The student will also study literature of the native language. Students already know how to speak Spanish, have conversational Spanish but need instruction to read and write in Spanish.

1 Year**1.0 Credit****FEE: None**

WL1157A SPANISH FOR SPANISH SPEAKERS 2A
WL1157B SPANISH FOR SPANISH SPEAKERS 2B
(10, 11, 12)

1 Year
1.0 Credit
FEE: None

PREREQUISITE: Spanish for Spanish Speakers 1 and/or teacher recommendation

This course is designed for students who already speak, read and write fairly well in Spanish, but still need help with vocabulary, spelling and writing for specific purposes. We will continue the grammar overview that began in Spanish for Spanish Speakers 1. Particular attention will be given throughout the course to spelling, accent marks and expanding students' vocabulary beyond their particular region of origin. Students will also read about Hispanics from around the world that gained fame from their literary achievements. Spanish is a language spoken on several continents. Students will learn to speak and write in standard Spanish.

WL5210A AP SPANISH LANGUAGE A
WL5210B AP SPANISH LANGUAGE B
(11, 12)

1 Year
1.0 AP Weighted Credit
FEE: None

PREREQUISITE: Spanish 4 and/or teacher recommendation

This course provides the motivated student with a wide variety of opportunities to develop advanced Spanish language skills. While students are exposed to literature, history, and culture of the Spanish-speaking world, emphasis is placed on developing proficiency in self-expression, communication, and critical thinking. Students will read a variety of short works or literary excerpts, listen to recorded stories, watch movies, participate in discussions, role-play, tell stories, and demonstrate proficiency in writing. This course prepares students to take the Spanish Advanced Placement Examination. The exam, while not required, is strongly recommended.

** While taking a World Language is not a graduation requirement, three (3) consecutive years of a World Language is strongly recommended for the college bound student.*