

Skyline High School

2021-2022

Course Descriptions

600 E. Mountain View Ave. Longmont, CO 80504



SKYLINE

HIGH SCHOOL

STEM • V P A

Table of Contents

General Class Information Requirements and Procedures.....	3
Nondiscrimination/Equal Opportunity Notice.....	3
Advanced Placement.....	4
Concurrent Enrollment Options for High School Students	5
St. Vrain High School Graduation Requirements	6
ICAP Graduation Requirements.....	7
Career Development Center	7
Innovation Center	7
<i>General Core and Core Based Electives.....</i>	<i>8</i>
Language Arts	8
Mathematics	11
Science	14
Social Studies	18
<i>Electives.....</i>	<i>21</i>
Art.....	21
Computer Science	26
Drama	27
Family and Consumer Sciences	28
Music.....	29
Physical Education.....	33
STEM	36
Student Council.....	37
Technical Theatre.....	37
World Language.....	38
Yearbook	41

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 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 National 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 offered at Skyline High School: (See Course Descriptions in individual department sections)

*Program enrollment will determine which courses can be offered.

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

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

Class of 2021 and up	
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.

File: IKF-R Adopted May 11, 2011 Revised: November 13, 2013 Revised February 25, 2015 Reviewed: October 28, 2015

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 Development Center

The SVVSD Career Development Center 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 <http://cdc.svvsd.org/>.

The course offerings include:

[Agriscience](#)

[Automotive Technology](#)

[Engineering Technology & Machining](#)

[Health Sciences](#)

[Interactive Media Technology](#)

[Internships](#)

[Manufacturing Technology](#)

[Prostart and Culinary Arts](#)

[Welding and Fabrication](#)

Innovation Center

The Innovation Center 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/>.

General Core and Core Based Electives

Language Arts

LA110A ENGLISH 9A

1 Year

1.0 Credit

LA110B ENGLISH 9B

FEE: None

(09)

PREREQUISITE: None

In Grade 9, instructional time should focus on four critical areas: (1) Oral Expression and Listening, which requires effective preparation strategies and listening critically to comprehend a speaker's message. (2) Reading for All Purposes that requires analyzing and comparing increasingly complex literary elements in traditional and contemporary works of literature and informational texts. (3) Writing and Composition based on literary, narrative, informational and persuasive texts using proper grammar, usage, and mechanics. (4) Research and Reasoning which requires collecting, evaluating, and analyzing a variety of informational materials for accuracy, relevance, and effectiveness. Students will also use effective problem-solving strategies that require high-quality reasoning. These concepts and associated skills are aligned with the Colorado Academic Standards for Language Arts, incorporating 21st Century skills and postsecondary and workforce readiness competencies.

LA113A ENGLISH HONORS 9A

1 Year

1.0 Honors Weighted Credit

LA113B ENGLISH HONORS 9B

FEE: None

(09)

PREREQUISITE: None

English Honors 9 is designed for students who desire a rigorous study of English. Students will engage in higher-level analysis of more challenging texts. They will demonstrate sophisticated fluency, control, and reasoning in their writing, researching, and speaking — all with the aim of preparing them for AP courses, postsecondary education, and workforce readiness. Evaluation is based on a variety of challenging assessments.

LA120A ENGLISH 10A

1 Year

1.0 Credit

LA120B ENGLISH 10B

FEE: None

(10)

PREREQUISITE: English 9

In Grade 10, instructional time should focus on four critical areas: 1) reading informational, literary, and persuasive texts to understand their meaning and influence on an audience; 2) writing using stylistic devices, organizational patterns and effective revision/editing to inform, entertain, or persuade an audience; using valid research to answer questions, propose solutions, and share findings with others while employing reasoning skills and technology; actively listening to organize information and work collaboratively with others. These concepts and associated skills are aligned with the Colorado Academic Standards for Language Arts, incorporating 21st Century skills as well as post secondary and workforce readiness competencies.

LA121A ENGLISH HONORS 10A **1 Year** **1.0 Honors Weighted Credit**
LA121B ENGLISH HONORS 10B **FEE: None**
(10)

PREREQUISITE: English 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.

LA130A ENGLISH 11A **1 Year** **1.0 Credit**
LA130B ENGLISH 11B **FEE: None**
(11)

PREREQUISITE: English 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.

LA140A ENGLISH 12A **1 Year** **1.0 Credit**
LA140B ENGLISH 12B **FEE: None**
(12)

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.

LA500A AP ENGLISH LANGUAGE & COMPOSITION A **1.0 AP Weighted Credit**
LA500B AP ENGLISH LANGUAGE & COMPOSITION B **FEE: Ind. novels under \$35**
(11, 12)

PREREQUISITE: None **1 Year**

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.

LA505A AP SEMINAR A
LA505B 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.

LA506A AP RESEARCH A
LA506B 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.

LA510A AP ENGLISH LITERATURE A
LA510B 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.

Mathematics

MA110A ALGEBRA 1A

1 Year

1.0 Credit

MA110B ALGEBRA 1B

FEE: None

(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.

MA115A GEOMETRY A

1 Year

1.0 Credit

MA115B GEOMETRY B

FEE: None

(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.

MA116A GEOMETRY HONORS A

1 Year

1.0 Honors Weighted Credit

MA116B GEOMETRY HONORS B

FEE: None

(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.

MA120A ALGEBRA 2A

1 Year

1.0 Credit

MA120B ALGEBRA 2B

FEE: None

(09, 10, 11, 12)

PREREQUISITE: Geometry (*Regular or Honors*)

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.

Science

SC120A BIOLOGY A **1 Year** **1.0 Credit**
SC120B BIOLOGY B **FEE: None**
(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.

SC121A BIOLOGY HONORS A **1 Year** **1.0 Honors Weighted Credit**
SC121B BIOLOGY HONORS B **FEE: None**
(09)

PREREQUISITE: Teacher recommendation

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.

SC130A CHEMISTRY A **1 Year** **1.0 Credit**
SC130B CHEMISTRY B **FEE: None**
(10, 11, 12)

PREREQUISITE: None

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.

SC131A CHEMISTRY HONORS A **1 Year** **1.0 Honors Weighted Credit**
SC131B CHEMISTRY HONORS B **FEE: None**
(10, 11, 12)

PREREQUISITE: Biology Honors 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.

SC140A PHYSICS A **1 Year** **1.0 Credit**
SC140B PHYSICS B **FEE: \$10.00**
(11, 12)

PREREQUISITE: Biology or Chemistry

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.

SC500A AP ENVIRONMENTAL SCIENCE A **1.0 AP Weighted Credit**
SC500B AP ENVIRONMENTAL SCIENCE B **FEE: \$25.00**
(10, 11, 12) **1 Year**

PREREQUISITE: Biology and Algebra 1

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.

SC510A AP BIOLOGY A **1 Year** **1.5 AP Weighted Credit**
SC510B AP BIOLOGY B **FEE: \$25.00**
SC510C AP BIOLOGY C
(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.

SC520A AP CHEMISTRY A **1 Year** **1.5 AP Weighted Credit**
SC520B AP CHEMISTRY B **FEE: \$25.00**
SC520C AP CHEMISTRY C
(11, 12)

PREREQUISITE: Chemistry (Honors preferred) 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.

SC532A AP PHYSICS 1A-ALG BASED A 1 Year
SC532B AP PHYSICS 1A-ALG BASED B
(10, 11, 12)

1.0 AP Weighted Credit
FEE: \$25.00

PREREQUISITE: Chemistry and Geometry

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.

SC535A AP PHYSICS A-CALC BASED 1 Year
SC535B AP PHYSICS B- CALC BASED
SC535C AP PHYSICS C- CALC BASED
(11, 12)

1.5 AP Weighted Credit
FEE: \$25.00

CO-REQUISITE: AP Calculus

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

Science Electives

SC201 ASTRONOMY
(11, 12)

1 Semester

.5 Credit
FEE: \$10.00

PREREQUISITE: Biology, chemistry or physics recommended, or by teacher recommendation

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.

SC205 GEOLOGY
(11, 12)

1 Semester

.5 Credit
FEE: \$10.00

PREREQUISITE: Biology, chemistry or physics recommended, or by teacher recommendation

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.

SC230 FORENSIC SCIENCE LAB BASED 1 Semester
(11, 12)

.5 Credit
FEE: \$10.00

PREREQUISITE: Biology, chemistry or physics recommended, or by teacher recommendation

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.

SC240A ANATOMY & PHYSIOLOGY A 1 Year
SC240B ANATOMY & PHYSIOLOGY B
(11, 12)

1.0 Credit
FEE: \$10.00

PREREQUISITE: Biology, chemistry or physics recommended, or by teacher recommendation

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 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.

SC220A ENVIRONMENTAL SCIENCE A 1 Year
SC220B ENVIRONMENTAL SCIENCE B
(12)

1.0 Credit
FEE: \$10.00

PREREQUISITE: Biology, chemistry or physics recommended, or by teacher recommendation

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.

Social Studies

SS111A WORLD GEO/HIST HONORS A 1 Year **1.0 Honors Weighted Credit**
SS111B WORLD GEO/HIST HONORS B **FEE: None**
(09)

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.

SS120A US HISTORY A 1 Year **1.0 Credit**
SS120B US HISTORY B **FEE: None**
(10)

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.

SS130A US/CO GOVERNMENT A 1 Year **1.0 Credit**
SS130B US/CO GOVERNMENT B **FEE: None**
(11)

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.

SS140 PERSONAL FINANCIAL LITERACY **.5 Credit**
(11, 12) 1 Semester **FEE: None**

PREREQUISITE: 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.

SS220 PSYCHOLOGY **1 Semester** **.5 Credit**
(11, 12) **FEE: None**

PREREQUISITE: 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.

SS235 SOCIOLOGY **1 Semester** **.5 Credit**
(11, 12) **FEE: None**

PREREQUISITE: 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.

SS505A AP US GOVERNMENT/POLITICS A **1.0 AP Weighted Credit**
SS505B AP US GOVERNMENT/POLITICS B **FEE: None**

(11, 12) **1 Year**

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.

SS510A AP US HISTORY A **1 Year** **1.0 AP Weighted Credit**
SS510B AP US HISTORY B **FEE: None**

(10, 11, 12)

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.

SS525A AP PSYCHOLOGY A **1 Year** **1.0 AP Weighted Credit**
SS525B AP PSYCHOLOGY B **FEE: None**

(11, 12)

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.

SS535A AP HUMAN GEOGRAPHY A **1 Year** **1.0 AP Weighted Credit**
SS535B AP HUMAN GEOGRAPHY B **FEE: None**
(09, 10, 11, 12)

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.

SS531 AP MICROECONOMICS **1 Semester** **.5 AP Weighted Credit**
SS530 AP MACROECONOMICS **1 Semester** **.5 AP Weighted Credit**
(11, 12) **FEE: None**

PREREQUISITE: None

AP Microeconomics and Macroeconomics is similar to a freshman level college course. It 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. Students may take one or both classes.

A123 ADVANCED DIGITAL PHOTOGRAPHY **.5 Credit**
(9, 10, 11, 12) **1 Semester** **FEE: \$30.00**

PREREQUISITE: Beginning Digital Photography

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, 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 as well as have access to DSLR's. Students will have access to 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.

A150 2D DESIGN BEGINNING **.5 Credit**
(09, 10, 11, 12) **1 Semester** **FEE: \$30.00**

PREREQUISITE: None

This beginning level class focuses on the elements and principles of design, with a strong introduction to technique in a variety of 2-dimensional design media such as photography, digital art and mixed media. It delves into the creative process, art history and art criticism, while introducing students to design, techniques and materials. Students will be expected to develop and maintain a sketchbook that chronicles their investigation and creative processing in making artwork. This class is designed to prepare students technically and compositionally for more intensive studies in the upper level 2D classes.

A152 2D DESIGN ADVANCED **.5 Credit**
(10, 11,12) **1 Semester** **FEE: \$30.00**

PREREQUISITE: 2D Design Beginning

This class is for students who wish to continue their study of 2 dimensional designs. It provides continued study in the elements and principles, techniques and materials of 2 dimensional design and digital media with an emphasis on visual communication, concept, student voice and style. This class is designed to prepare and assist students taking the AP 2D Art and Design portfolio.

A160 3D DESIGN BEGINNING **.5 Credit**
(09, 10, 11, 12) **1 Semester** **FEE: \$30.00**

PREREQUISITE: None

This FUN beginning level class focuses on the elements and principles of design, with a strong introduction to technique in a variety of 3- dimensional media (paper, cardboard, wood, modeling, carving, found object, etc.). It delves into the creative process, art history and art criticism, while introducing students to sculpture and Industrial Design. Students will be expected to develop and maintain a sketchbook and portfolio that chronicles their investigation and creative processing in making artwork. This class is designed to prepare students technically and compositionally for more intensive studies in the upper level 3D classes.

A162 3D DESIGN ADVANCED **.5 Credit**
(10, 11, 12) **1 Semester** **FEE: \$30.00**

PREREQUISITE: 3D Design Beginning

This class is for students who wish to continue their study of 3 dimensional designs. It provides continued study of the elements and principles, techniques and materials of 3 dimensional designs with an emphasis on concept, student voice and style. This class is designed to prepare and assist students taking the AP 3D Art and Design portfolio.

A500A AP DRAWING A

1 Year

1.0 AP Weighted Credit

A500B AP DRAWING B

FEE: \$30.00/Semester

(11, 12)

PREREQUISITE: Advanced Drawing 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.

A505A AP 2D ART AND DESIGN A

1 Year

1.0 AP Weighted Credit

A505B AP 2D ART AND DESIGN B

FEE: \$30.00/Semester

(11, 12)

PREREQUISITE: 2D Design Advanced 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.

A510A AP 3D ART AND DESIGN A

1 Year

1.0 AP Weighted Credit

A510B AP 3D ART AND DESIGN B

FEE: \$30.00/Semester

(11, 12)

PREREQUISITE: 3D Design Advanced and/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.

VP400 VPA CAPSTONE

2 Semesters

.25 Credit/Semester

(12)

FEE: None

PREREQUISITE: VPA Senior in good standing with the VPA Academy

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.

Computer Science

CS103 INTRODUCTION TO PROGRAMMING

(09, 10, 11, 12)

1 Semester

.5 Credit

FEE: None

PREREQUISITE: None

Intro to Programming is a semester-long introductory course aimed at exposing students to the world of code. Utilizing drag and drop coding interfaces, students will become computational thinkers and develop problem-solving skills through creative and innovative projects, including video games, animation, and app design. No experience required.

CS104 INTRODUCTION TO COMPUTING

(09, 10, 11, 12)

1 Semester

.5 Credit

FEE: None

PREREQUISITE: None

Computers are everywhere, and have been for some time. This course will help students understand how a computer works. Topics will include Binary and Hexadecimal number systems and why the computer uses them, digital representation of analog information, computer hardware, operating systems, software development and/or programming (in various simple languages), 3D modeling, web design, and the history of computing.

CS105A COMPUTER SCIENCE A

2 Semesters

.5 Credit/Semester

CS105B COMPUTER SCIENCE B

(10, 11, 12)

FEE: None

PREREQUISITE: Introduction to Programming and/or teacher approval

Computer Science is an intermediate course in computer programming. Students will learn the traditional concepts of procedural computer programming, including input, processing, output, simple and complex functions, decision structures, Boolean logic, algorithms, exception handling and persistence of data. Throughout the year, students will solve numerous programming challenges and also work on large-scale projects. While designing their projects, students are encouraged to focus on topics of their own choice, and are encouraged to explore computer programming as both an art and a science. Students who successfully complete this course will be able to enter AP Computer Science able to focus on the complexities in object-oriented design.

CS510A AP COMPUTER SCIENCE PRINCIPLES A

1.0 AP Weighted Credit

CS510B AP COMPUTER SCIENCE PRINCIPLES B

FEE: None

(10, 11, 12)

1 Year

PREREQUISITE: Intro to Programming and Intro to Computing and/or instructor approval

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 various programming languages

Drama

LA400 DRAMA 1
(09, 10, 11, 12)

1 Semester

.5 Credit
FEE: None

PREREQUISITE: None

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

LA401 DRAMA 2
(09, 10, 11, 12)

1 Semester

.5 Credit
FEE: None

PREREQUISITE: Drama 1

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.

LA402 DRAMA ADVANCED
(10, 11, 12)

1 Semester

.5 Credit
FEE: None

PREREQUISITE: Drama 2

Students will begin the process of play analysis by reading a small selection of plays. Students will also perform more in depth pieces of theatre and be able to analyze them closely.

MU220 MUSICAL THEATRE
(10, 11, 12)

1 Semester

.5 Credit
FEE: \$10.00

PREREQUISITE: Drama 1

Students will learn the basics of musical theatre and have the opportunity to perform as a class, in groups, duets, and solos. Students will gain a deeper understanding of how to perform musical theatre pieces.

Family and Consumer Sciences

CTE9060 CAREER PATHWAYS
(09, 10, 11, 12)

1 Semester

.5 Credit
FEE: None

PREREQUISITE: 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
FEE: None

PREREQUISITE: 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.

CTE9421 LIFE MANAGEMENT
(11, 12)

1 Semester

.5 Credit
FEE: \$10.00

PREREQUISITE: None

This course is designed for juniors and seniors who want to develop survival skills necessary for living on their own. Learning experiences will include opportunities in making wise decisions about housing and living environments. Students will gain information that will allow them to make better use of their personal finances in regards to budgeting, banking knowledge and investing strategies. Students will also learn how to purchase and maintain a vehicle, care for clothing, and make wise food choices. This class also enables students to learn about job related issues. Students taking this class will be better prepared for the real world.

Physical Education

H100 HEALTH (09) **1 Semester** **.5 Credit**
FEE: None

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

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.

PE101 FITNESS 1: LIFE FITNESS (09, 10, 11, 12) **1 Semester** **.5 Credit**
FEE: None

PREREQUISITE: None

This class is designed for students who want to explore a variety of basic options for improving and maintaining their individual fitness levels. The goal is to give students both the knowledge and physical skills to develop and continue good lifetime fitness habits. Each student will develop and execute personal fitness plans and goals. Activities may include: power walking, aerobics, circuit training, and weight training. Students will also participate in speed and agility training, plyometrics and related fitness activities.

PE108 IRONWORKS I (09, 10, 11, 12) **1 Semester** **.5 Credit**
FEE: None

PREREQUISITE: 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.

PE109 IRONWORKS II (09, 10, 11, 12) **1 Semester** **.5 Credit**
FEE: None

PREREQUISITE: Ironworks I or teacher approval

This is an intermediate-level course designed to engage students in more advanced weight lifting techniques. It will include emphasis on bench, squat and power clean and the associated auxiliary exercises, along with basic Olympic-style lifts and exercises. Students will also participate in speed and agility training, plyometrics and fitness activities.

PE113 INVASION & FIELD (09, 10, 11, 12) **1 Semester** **.5 Credit**
FEE: None

PREREQUISITE: None

This course is designed for the student to experience a wide variety of sports. These sports include, but are not limited to: Ultimate Frisbee, floor hockey, flag football, soccer, volleyball, speedball, basketball and softball. Students will also participate in speed and agility training, plyometrics, fitness activities, and sports related conditioning.

PE114 NET & TARGET **1 Semester** **.5 Credit**
(09, 10, 11, 12) **FEE: None**
PREREQUISITE: None

This class will include sports/activities where a net, or a target, is used, and scoring is accomplished for your own territory. The students will be expected to know basic rules and strategies, boundaries, and player positions. Activities may include; badminton, tennis, volleyball, disc golf and ultimate Frisbee. Students will also participate in speed and agility training, plyometrics, fitness activities, and sports related conditioning.

PE118 SWIMMING I **1 Semester** **.5 Credit**
(09, 10, 11, 12) **FEE: None**
PREREQUISITE: None

Swimming I is designed for beginning and non-swimmers. Emphasis is based on learning different strokes from elementary through competitive, conditioning, interval training and breath control. Activities may include; survival swimming, diving, water safety and lifeguard training. *All Swimming classes will be held at Centennial Pool. Students must walk to the pool.

PE132 DANCE I **1 Semester** **.5 Credit**
(09, 10, 11, 12) **FEE: None**
PREREQUISITE: None

In this course the student will be graded on participation, presentation, written assessment and performance. The focus is on experiencing physical fitness through a wide range of fundamental dance skills including, but not limited to Hip-Hop, Funk, Jazz, Aerobic, Kickboxing, Salsa and other various styles of dance and fitness. Using these techniques, the student will improve their strength, cardiovascular endurance and flexibility, enhancing their overall knowledge of body awareness and health.

PE133 DANCE II **1 Semester** **.5 Credit**
(10, 11, 12) **FEE: None**
PREREQUISITE: Dance I

In this course the student will be graded on participation, presentation, written assessment and performance. The student will learn advanced fitness and dance techniques. This will include choreography and performance, dance Kinesiology, dance and fitness history and vocabulary. Using these techniques, the student will improve their strength, cardiovascular endurance and flexibility enhancing their overall knowledge of body awareness and health.

PE136 ATHLETIC TRAINING & FIRST AID **1 Semester** **.5 Credit**
(11, 12) **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.

PE137 COACHING AND OFFICIATING**(11, 12)****1 Semester****.5 Credit****FEE: \$10.00****PREREQUISITE: None**

This course is designed for the student leader interested in pursuing coaching and officiating job opportunities. Course content focuses on sport rules and guidelines, training techniques, leadership skills and sport specific fitness skills. Students will learn and perform the skills necessary to coach and officiate a variety of team and individual sports. These sports may include basketball, football, soccer, and softball. Students will also participate in speed and agility training, plyometrics, fitness activities and sports related conditioning.

PE138 SPORTS MARKETING**(09, 10, 11, 12)****1 Semester****.5 Credit****FEE: None****PREREQUISITE: Successful completion of any PE course and/or teacher's approval**

This course is designed to provide the student with an overview of the major marketing and sponsorship issues facing the sports industry. Course content focuses on the development, application marketing plans and sponsorship proposals. The student will be required to demonstrate an understanding of the material by completing several applied projects which may include; developing products and sponsorships, fundraising, public relations, marketing research, special events, and media.

**Students must be able to provide transportation to and from sight location. Proof of automobile insurance must be provided and a written release of liability must be completed by student and parent.*

PE145 YOGA AND NUTRITION**(09, 10, 11, 12)****1 Semester****.5 Credit****FEE: None****PREREQUISITE: 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.

Student Council

MS162A STUDENT COUNCIL A

2 Semesters

5 Credit/Semester

MS162B STUDENT COUNCIL B

FEE: None

(9, 10, 11, 12)

PREREQUISITE: Application process

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 for setting up for events and taking down after events. Students in student council need to be hard working 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.

Technical Theatre

The classes that make up the Technical Theatre series are part of the SVVSD Career and Technical Education Program. Classes are open to all students in the SVVSD. Students may participate in part or all of the program. The complete series must include one semester of Basic Technical Theatre, one semester of Intermediate Technical Theatre and one semester of Advanced Technical Theatre. Special Considerations: As a Career and Technical Education class, much of the learning is done “hands-on” in the style of an apprenticeship by working in the Vance Brand Civic Auditorium. Because most auditorium use occurs during the weekends and evenings, students should be prepared to provide their own transportation to VBCA outside of school hours for Intermediate and Advanced courses. Students should also be prepared to spend time in the auditorium outside the regular school day and week.

CTE9961A BASIC TECHNICAL THEATRE A

.5 Credit/Semester

CTE9961B BASIC TECHNICAL THEATRE B

FEE: \$25.00

(09, 10, 11, 12)

2 Semesters

PREREQUISITE: None

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.

CTE9972A INTERMED TECHNICAL THEATRE A **.5 Credits/Semester**
CTE9972B INTERMED TECHNICAL THEATRE B **FEE: \$25.00**
(10, 11, 12) **2 Semesters**

PREREQUISITE: 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. Students successfully completing this class will be certified for basic operation of VBCA lighting and sound 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.

CTE9981A ADVANCED STAGE TECHNOLOGY A **.5 Credit/Semester**
CTE9981B ADVANCED STAGE TECHNOLOGY B **FEE: \$25.00**
(10, 11, 12) **2 Semesters**

PREREQUISITE: Intermediate Technical Theatre and/or teacher approval

This is the upper most level class 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 the application of this knowledge in the day-to-day operations of the VBCA. Students successfully completing this class will be certified for 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.

World Language

WL101A FRENCH 1A **1 Year** **1.0 Credit**
WL101B FRENCH 1B **FEE: None**
(9, 10, 11, 12)

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. Areas of study will include communication skills (speaking, listening, reading, and writing). Using these skills, students will be able to interact with others as they learn about each other's families, activities, likes and dislikes, and will learn to order food in restaurants. Through film, music, reading, and discussion, students will begin to understand the French culture.

WL102A FRENCH 2A **1 Year** **1.0 Credit**
WL102B FRENCH 2B **FEE: None**
(9, 10, 11, 12)

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.

WL103A FRENCH 3A **1 Year** **1.0 Credit**
WL103B FRENCH 3B **FEE: None**
(10, 11, 12)

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 French grammar, giving them the ability to express more complex thoughts. They will continue to work on the areas of reading, writing, listening and, above all, speaking. 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.

WL104A FRENCH 4A **1 Year** **1.0 Credit**
WL104B FRENCH 4B **FEE: None**
(11, 12)

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/AP course will continue to use French exclusively as the language for instruction, communication and presentation. Emphasis is placed on improving students' listening, reading, speaking and writing skills. Activities will be formatted to help prepare students for the AP French exam while enhancing conversational skills within a cultural context. Oral presentations, group work, informal conversation, compositions and class discussions will help students enhance their language skills in French.

WL500A AP FRENCH LANGUAGE A **1 Year** **1.0 AP Weighted Credit**
WL500B AP FRENCH LANGUAGE B **FEE: None**
(11, 12)

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/AP course will continue to use French exclusively as the language for instruction, communication and presentation. Emphasis is placed on improving students' listening, reading, speaking and writing skills. Activities will be formatted to help prepare students for the AP French exam while enhancing conversational skills within a cultural context. Oral presentations, group work, informal conversation, compositions and class discussions will help students enhance their language skills in French. The exam, while not required, is strongly recommended.

WL151A SPANISH 1A **1 Year** **1.0 Credit**
WL151B SPANISH 1B **FEE: None**
(09, 10, 11, 12)

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

WL152A SPANISH 2A **1 Year** **1.0 Credit**
WL152B SPANISH 2B **FEE: None**
(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

WL153A SPANISH 3A **1 Year** **1.0 Credit**
WL153B SPANISH 3B **FEE: None**
(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.

WL154A SPANISH 4A **1 Year** **1.0 Credit**
WL154B SPANISH 4B **FEE: None**
(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.

WL156A SPANISH FOR SPANISH SPEAKERS 1A **1.0 Credit**
WL156B SPANISH FOR SPANISH SPEAKERS 1B **FEE: None**
(09, 10, 11, 12) **1 Year**

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.

WL157A SPANISH FOR SPANISH SPEAKERS 2A **1.0 Credit**
WL157B SPANISH FOR SPANISH SPEAKERS 2B **FEE: None**
(10, 11, 12) **1 Year**

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.

WL510A AP SPANISH LANGUAGE A **1 Year** **1.0 AP Weighted Credit**
WL510B AP SPANISH LANGUAGE B **FEE: None**
(11, 12)

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.*

Yearbook

LA429A YEARBOOK A **2 Semesters** **.5 Credit/Semester**
LA429B YEARBOOK B **FEE: None**
(9, 10, 11, 12)

PREREQUISITE: Application & interview process and/or recommendation by two staff members

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.