

Sterling High School

2023-2024 Course Description Book



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Home of the Tigers

Interim Principal-Mark Appelhans

Interim Assistant Principal-Joseph Skerjanec

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Transfer Students:

Before enrolling at Sterling High School, a student must have:

1. Check out sheet from previously attended school
2. Transcripts
3. Immunization Records,
4. Copy of birth certificate
5. Legal documentation of guardianship if not living with a parent
6. Proof of residency

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Introduction

This guide was prepared to help students plan their high school careers at Sterling High School. It contains a brief description of all courses offered to 9th-12th graders at SHS along with graduation requirements and other important information when planning a class schedule.

As you plan each semester's schedule, remember that you are building toward a complete high school program that prepares you for further higher academic and career goals. Plan so that your minimum course requirements are met and prerequisite course requirements are fulfilled early so that you will be able to take advantage of the many advanced and elective courses that will enrich your high school program. Each student is responsible for his/her progress toward graduation and for being aware of deficiencies, counselors are available for help, but the basic responsibility rests with the student and parent(s).

Discuss your high school plans with your parents, teachers, and counselors. Before selecting courses, read the description of each course carefully, paying special attention to the suggested grade level, prerequisites, costs, etc. for each course. **Schedule changes will not be made to allow for a different teacher, to be in class with your friends, or for non-SHS athletics.**

The entire staff at Sterling High School is anxious to help you make your high school education a happy and successful experience. Have a great year!



Graduation Requirements

In pursuit of its mission to ensure that all students reach their learning potential, the Board of Education has established the following graduation requirements.

District academic standards

All students must meet or exceed the districts academic standards including showing proficiency in math and English prior to becoming eligible to graduate or complete the requirements and goals as listed on a student's Individualized Education Program (IEP), which may include modified academic standards.

Graduation from high school is a culminating event that results from the foundations built at the elementary and middle levels. Graduation is a collaborative effort among levels in a student's public school career. Each level of school and each staff member or parent/guardian who instructs or counsels a student shares responsibility for the ultimate ability of that student to demonstrate proficiency in the district's academic standards and to meet the expectations for graduation.

Units of credit needed

A total of 27 credits earned during grades nine through twelve are required for graduation. A credit is defined as the amount of credit given for the successful completion of a course. Successful completion means that the student obtained a passing grade for the course.

A core diploma consisting of 18 core content credits may be issued to students who fail to earn the necessary required elective credits.

The following criteria shall entitle a student to a high school diploma:

- Achievement in the district's academic standards as demonstrated by mastery of the curriculum which may include, but is not limited to, daily classroom assignments, state and district assessments, classroom assessments, and student participation in, and completion of, assigned projects.
- Completion of 27 credits in grades nine through twelve in the prescribed categories listed below.
- Completion of the requirements and goals as listed on a student's Individualized Education Program (IEP) which may include modified academic standards.
- Additionally, students must reach competency in one of the approved Readiness Benchmarks for English Language Arts and Mathematics as described in the table below.

READINESS BENCHMARKS

Readiness Benchmarks Include but are not limited to:

Readiness Benchmarks	English Language Arts	Mathematics
ACCUPLACER is a computerized test that assesses reading, writing, math, and computer skills. The results of the assessment, in conjunction with a student's academic background, goals, and interests, are used by academic advisors and counselors to place students in college courses that match their skill levels.	Next Generation ENGLISH 241 on Reading OR 236 on Writing.	Next-Gen MATH 255 on Arithmetic (AR) OR 230 on Quantitative Reasoning, Algebra, and Statistics (QAS)
Scholastic Aptitude Test (SAT) is a college entrance exam that is accepted or required at nearly all four-year colleges and universities in the U.S. The current SAT includes sections on reading, writing, and math. The highest possible score for each section is 800.	A score of at least 470 on English.	A score of at least 500 on Math.
American College Test (ACT) is a national college admissions exam. It measures four subjects – English, reading, math, and science. The highest possible score for each subject is 36.	A score of at least 18 on English.	A score of at least 19 on Math.
Armed Services Vocational Aptitude Battery (ASVAB) is a comprehensive test that helps determine students' eligibility and suitability for careers in the military. Students who score at least 31 are eligible for service (along with other standards that include physical condition and personal conduct). Students who take the ASVAB are not required to enlist in the military.	ENGLISH 31 on the AFQT	MATH 31 on the AFQT
ACT WorkKeys is an assessment that tests students' job skills in applied reading, writing, mathematics, and 21st-century skills. Scores are based on job profiles that help employers select, hire, train, develop and retain a high-performance workforce. Students who score at the bronze level (at least 3) in Applied Mathematics, Graphic Literacy, and Workplace Documents, earn the ACT's National Career Readiness Certificate.	ENGLISH Bronze or higher	MATH Bronze or higher
Concurrent Enrollment (CE) college course that demonstrates English readiness/Math readiness, as approved by the district and included in the student's academic plan of study or Individualized Career and Academic Plan (ICAP), simultaneously earning high school and college credit. An eligible concurrent enrollment course is 1) the prerequisite directly prior to a credit-bearing course or 2) a credit-bearing course.	Grade of at least a C.	Grade of at least a C.

For more information see the Colorado Department of Education website at <https://www.cde.state.co.us/postsecondary/grad-menu>

Required credits/courses

The following graduation requirements of 27 credits will apply to students enrolling in ninth grade beginning in the 2015-2016 school year as required by law:

English	4 units (*one unit may be earned by meeting Board-approved proficiency assessments)
Mathematics	3 units (*one unit may be earned by meeting Board-approved proficiency assessments)
Science	3 units
Social Studies	3 units
Physical Education	1.5 units
Health	.5 units
ICAP	.5 units
Financial Literacy	.5 units
Elective Units	11 units
Total for Graduation	27 units

NCAA Eligibility Center Information

To play college sports, you must be certified by the NCAA Eligibility Center. This includes:

- Registering with the NCAA Eligibility Center your sophomore year in high school. NCAA guidelines and information are available in the Counseling Office or at the NCAA Eligibility Center website eligibilitycenter.org
- Successfully complete a core curriculum of at least 16 academic courses as follows:

DIVISION I CORE-COURSE REQUIREMENTS

16 Core Courses:

4 years of English
3 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
1 year of additional English, mathematics, or natural/physical science
2 years of social science
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

Division I Academic Requirements

Complete the required 16 core courses.

Earn a minimum GPA of **2.300** in those 16 core courses.

Earn an SAT combined score or ACT sum score that matches the student's core-course GPA (minimum 2.300) on the full qualifier sliding scale. Find more information about test scores at ncaa.org/test-scores

DIVISION II CORE-COURSE REQUIREMENTS

16 Core Courses:

3 years of English
2 years of mathematics (Algebra I or higher)
2 years of natural/physical science (1 year of lab if offered by high school)
3 years additional English, mathematics, or natural/physical science
2 years of social science
4 years of additional courses (from any area above, foreign language or comparative religion/philosophy)

Division II Academic Requirements

Complete the required 16 core courses.

Earn a minimum **2.200** GPA or better in your core courses.

Earn an SAT combined score or ACT sum score that matches the student's core-course GPA (minimum 2.200) on the full qualifier sliding scale. Find more information about test scores at ncaa.org/test-scores

The SHS courses that will fill the above requirements are:

ENGLISH

Creative Writing
English I, II, III, IV
Speech
Composition I (NJC)
Composition II (NJC)

MATHEMATICS

Algebra I
Geometry
Algebra II
PreCalculus
Trig & Analytic Geometry
College Algebra (NJC)
Intro to Statistics (NJC)
Calculus (NJC)

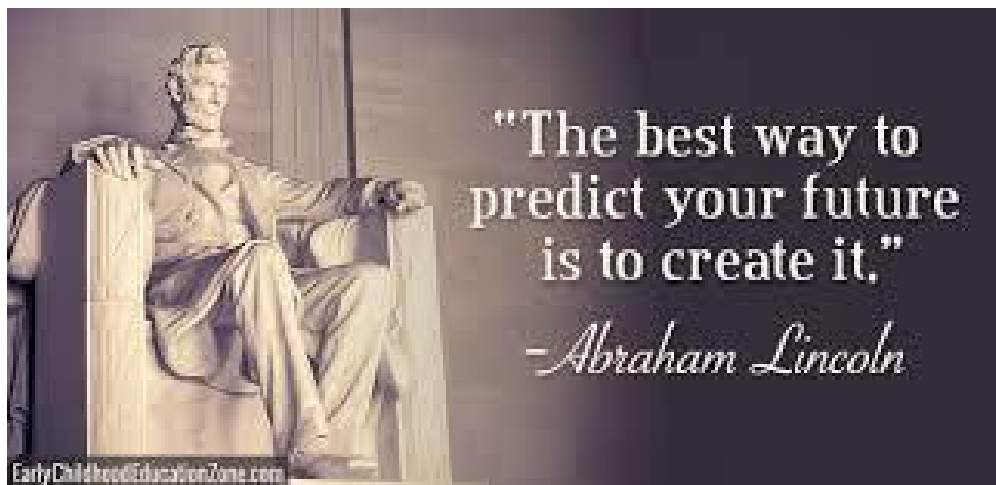
SOCIAL SCIENCE

Civic Democracy
American History
World History/Geography
Psychology 1 (NJC)
Psychology 2 (NJC)

NAT/PHY.SCIENCE

Biology
Chemistry
Physical Science
Physics – Algebra-Based
Human Physiology
Earth Science
Science Research

For more information about NCAA eligibility requirements visit the following website:
eligibilitycenter.org



HIGHER EDUCATION ADMISSIONS RECOMMENDATIONS

Students planning to attend a four-year college or university in Colorado should complete the following classes in order to fulfill the Higher Education Admission Recommendations (HEAR). HEAR is one factor of many that public four-year institutions consider in the admission decision process. Visit the CDHE Admission webpage to learn about all admission review factors. Meeting HEAR does not guarantee admission to a four-year public institution. Additionally, colleges, universities, and certain academic programs may have additional admission factors.

- Four years of English
- Four years of mathematics at the level of Algebra I and higher
- Three years of natural science-two of which must be laboratory courses
- Three years of social studies-one of which must be U.S. History or World History
- Two years of academic electives
- One year of study of world language

These recommendations affect students graduating and planning to enroll in one of the 4-year colleges or universities listed above. The changes do not affect students planning to enroll in a junior/community college or a vocational/technical school.

Courses listed with two asterisks(**) on the course registration sheet meet pre-collegiate course criteria (bold and italics) as established by the CCHE as of August 17, 2007.



HONORS PROGRAM

A student graduating in the class of 2024 will meet the Honors Distinction by being initiated into SHS's National Honor Society Chapter, remaining in good standing in the chapter and by meeting all requirements to graduate with honors.

STERLING HIGH SCHOOL CONCURRENT ENROLLMENT AGREEMENT

HB09-1319 and SB09-285 CONCURRENT ENROLLMENT PROGRAMS ACT

Creating pathways between high schools and institutions of higher education is essential to fulfilling the Colorado Promise of doubling the number of postsecondary degrees earned by Coloradoans and reducing by half the number of students who drop out of high school in the state. "Concurrent enrollment" means a student is simultaneously enrolled in a local education provider and in an institute of higher education or career and technical courses. Concurrent enrollment programs have existed for many years in Colorado, yet due to a lack of state-wide coordination, organization, or support, access to concurrent enrollment programs has been limited.

In May 2009, Colorado State Legislature passed HB09-1319 and SB09-285 (hereafter the "Concurrent Enrollment Programs Act " or CRS 22-35-101 et seq). The collective intent is to broaden access to and improve the quality of concurrent enrollment programs, improve coordination between institutions of secondary education, and ensure financial transparency and accountability.

STUDENTS WILL BE EXPECTED TO PAY FOR FEES AND TEXTBOOKS ASSOCIATED WITH THE CLASSES AT NJC BEFORE THE CLASS STARTS UNLESS ARRANGEMENTS ARE MADE WITH NJC.

Re-1 Valley School District will pay tuition after COF (College Opportunity Fund) for eligible concurrent enrollment courses taken at Northeastern Junior College each semester. The student is responsible for the cost of books and fees associated with the classes. All scheduled costs are subject to change by Northeastern Junior College and the State Board of Community Colleges and Occupational Education.

A qualified student may take NJC/Concurrent Enrollment classes. Re-1 Valley will pay the cost of tuition after COF (College Opportunity Fund) A student must be enrolled in an SHS Advisory, as well as, twelve credit hours at NJC or a combination of both NJC and SHS courses equaling 4 courses at SHS each semester in order to be considered a full-time student and remain eligible for extracurricular activities. A student may drop an NJC class and add any SHS class if he/she does so within the first five days of the SHS semester.

As a concurrent enrollment student expect the following:

- Collegiate level work
- Higher teacher expectations
- Scheduling time to meet with your NJC instructor if you need help
- An increase in the amount of homework
- An increase in time doing research
- More difficult tests
- An increase in time spent in the library at SHS or NJC in the evenings or on the weekends

Grades in concurrent enrollment courses will count for SHS and NJC credit. All concurrent enrollments need to be approved by the SHS Counseling Office prior to attending the NJC concurrent enrollment day for both fall and spring semesters. Students will not be enrolled in concurrent enrollment courses until the SHS Counseling Office has received a confirmation from NJC that the necessary paperwork has been submitted and processed. Each course in which a student is enrolling for concurrent enrollment is consistent with the students Individual Career and Academic Plan (ICAP).

A student must have the following ACT/SAT scores to take college-level courses:

ACT

- English 18
- Reading 17
- Math 23

SAT

English(ERW) 470
Math 570

If ACT/SAT scores are not available, you may arrange to take the ACCUPLACER through the SHS Counseling Office (Currently the Accuplacer tests cost \$5/test and students must take both the English and the math Accuplacer test. The cost of the test is the responsibility of the student.) If scheduling conflicts exist, you may arrange to take the ACCUPLACER at NJC by contacting Andrea Wasson in the NJC Counseling Office at 521-6663. (Currently the Accuplacer tests cost \$5/test and students must take both the English and the math Accuplacer test. The cost of the test is the responsibility of the student). If you take the ACCUPLACER at NJC, you will need to schedule your test outside of SHS school hours.



Course Descriptions

Visual Arts

ART DEPARTMENT

All SHS art courses are designed to give students an opportunity to learn and work artistically to gain the skills and knowledge necessary to pursue art in the future as a career and/or for personal enjoyment. The SHS Art Department has two pathways: Visual Arts Pathway and Multimedia Visual Arts Pathway. A year of Foundations of Art is the prerequisite for students to advance to Studio Art II, III, Studio Art Senior Capstone, or Ceramics/Sculpture II, III, Ceramics/Sculpture Senior Capstone in the Visual Arts Pathway. The fall semester of **Foundation of Design, Multimedia Arts & Digital Communications A/B** are the prerequisites for the Multimedia Visual Arts Pathway to advance to Commercial Photography I,II and CAPSTONE, Graphic Design & Illustration I, II and CAPSTONE. **The students can move through consecutive classes as they wish. All art department courses are primarily hands-on, creative studio classes with art history included.**

The Colorado Visual Art Standards and the Colorado Department of Education 21st Century Skills form the visual arts curriculum core that guides students through a study of the multimedia, techniques, art history and contemporary aspects of the discipline. Students will work as artists work; therefore students must have the self-discipline and self-direction to work steadily towards mastery and skill attainment and will have a required portfolio of works due at the end of each semester. All art courses have an art lab fee of \$20 per semester, and the student will have an opportunity to make numerous quality works in an artistic environment. Course outlines, textbooks, rubrics, and other evaluation materials are available.

05154 A/B Foundations of Art

1 Credit/18 Weeks

Prerequisites: None

Fee: \$40.

Foundation of Art is open to all grade levels. This class may be taken as a full year to satisfy the prerequisite for the Visual Arts Pathway. Students in this introductory course will experience a variety of two and three-dimensional projects that cover basic art and design skills. Various ideas and processes involved in making art will be examined. The class includes a drawing unit first semester and an introduction to the elements and principles of art and design. The intent of the second semester is to acquaint the student with basic ceramics and sculptural techniques, the qualities of clay, and introduce other sculptural materials. The forming, glazing and firing of ceramics and the creation of sculpture using both additive and subtractive methods will be covered. Students will demonstrate an understanding of quality design and craftsmanship, historical art, and visual art as a form of communication.

05155 A/B 2D Art II

1 Credit/18 Weeks

Prerequisites: One year of Foundations of Art. Instructor Approval Required

Fee: \$40 Some supplies for individual projects may also have to be purchased.

This course is open to sophomores, juniors, and seniors. Students will expand their observational and technical drawing skills expanding on techniques learned in Foundations of Art. Students will learn to work with a variety of 2-dimensional media including, but not limited to, acrylic paints, watercolor, colored pencils, graphite, ink, and charcoal. Students will begin to build an artist's portfolio and will be required to keep and turn in an artist's sketchbook. Sketchbook is provided in student fee.

05156 A/B 2D Art III

1 Credit/18 Weeks

Prerequisites: Foundations of Art & 2D Art II (one year of each), Instructor Approval Required

Fee: \$40 Some supplies for individual projects may also have to be purchased.

This course is designed for the student who wishes to continue in the field of art (not necessarily as a career). Studio three is an expansion of artistic skills and behaviors learned in 2D Art II. Students will continue to build an artist's portfolio and work in areas of personal interest. Students will continue learning 2-dimensional techniques, with a focus on drawing and painting. Students must be self-motivated, hard-working and an interest

in art as a career or lifetime hobby is preferred. Students will be required to keep an artist's sketchbook. Sketchbook is provided in student fee.

05170 A/B 2D Art Capstone

1 Credit/18 Weeks

Prerequisites: Foundations of Art, 2D Art II, III (one year of each)/Instructor approval required.

Fee: \$40 Some Supplies for individual projects may also have to be purchased.

This class is for sophomores, juniors and seniors and must also have the instructor's approval. This course is designed for the SHS student who wants to major or minor in art in college or pursues the opportunity to develop their own personal expression in Visual Arts. Students must be highly self-motivated and show concern for the quality of their work. Concentration will be on the development of a professional artist's portfolio. An exhibition of student work is required and students are expected to keep and submit a sketchbook. Career exploration and art history will be covered. Course may be repeated for credit.

05158A/B Sculpture II

1 Credit/18 Weeks

Prerequisites: Foundations of Art (one year)/Instructor approval required

Fee: \$40 Some supplies for individual projects may also have to be purchased.

This course is open to sophomores, juniors, and seniors. Approval of the instructor is required. This course is an extension of the Sculpture unit in Foundations of Art with additional projects and opportunities focusing on building technical skills. Students will have an opportunity to explore areas of high interest and must create a digital portfolio of their work. Students will be expected to complete all assignments by the due dates and demonstrate an understanding of two and three-dimensional design, the elements and principles of art, art as a form of visual communication, and to work daily to improve their artistic skills.

05159A/B Sculpture III

1 Credit/18 Weeks

Prerequisites: Foundations of Art and Sculpture II (one year)/Instructor approval required

Fee: \$40

Some supplies for individual projects may also have to be purchased. This course is designed for the student who wishes to continue in the field of art (not necessarily as a career). The student is allowed more freedom in the selection of assignments. Students must be highly self-motivated with a strong desire to improve their artistic skills and to continue to create a quality portfolio. Evaluation is heavily based on the professional quality of

student work, and on characteristics required in a business atmosphere such as a strong work ethic. Students will have an opportunity to explore various contemporary and historical aspects of art and must demonstrate a knowledge and understanding of the principles of art and major art movements and artists from a variety of cultures.

05170C/D Sculpture Capstone

1 Credit/18 Weeks

Prerequisites: Foundations of Art and Sculpture II, III (one year)/Instructor approval required

Fee: \$40 Some supplies for individual projects may also have to be purchased.

This class is for sophomores, juniors and seniors and must also have the instructor's approval. The course is designed for the SHS student who wants to major or minor in art in college or pursues the Arts. Students must be highly self-motivated and show concern for the quality of their work. Concentration will be on the development of a professional artists' portfolio. An exhibition of student work is required. Career exploration and art history will be covered. Course may be repeated for credit.

10202A/B Foundations of Design, Multimedia Arts & Digital Communications

1 Credit/18 Weeks

Prerequisite: None

Fee: \$40

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

11153A/B Graphic Des & Illustration I

1 Credit/18 Weeks

Prerequisites: Foundation of Design, Multimedia Arts & Digital Communications A/B and Instructor approval required.

Fee: \$40

This entry-level course is for training in the visual communication portion of all media businesses. Students learn about a career in the many kinds of media and graphic design and illustration jobs. Digital photography and working towards the intermediate level use of image editing and drawing programs are strongly focused upon in this class. This is helpful for any future photographer, videographer, animator, or advertiser. Students will be

developing a high-quality portfolio for college or design school.

11154A/B Graphic Des & Illustration II

1 Credit/18 Weeks

Prerequisites: Foundation of Design, Multimedia Arts & Digital Communications A/B, Graphic Design & Illustration I and Instructor approval required.

Fee: \$40

Design portfolios are expanded upon and improved in this second year of Graphic Design and Illustration. There is the study of college art and media programs. More time is spent learning advanced concepts in illustration and the advertising and media business as well as new software programs while continuing to hone skills in image editing and digital photography. Large format printing of projects is common in this class. Students may select an area of visual communication to begin specializing in during this year of study. It is a high level of media study where specializations such as motion graphics may begin. Students will have the opportunity to earn an industry-recognized certification at this level.

11155A/B Capstone: Graph Des & Illustration

1 Credit/18 Weeks

Prerequisites: Multimedia Arts & Digital Communications A/B, Graphic Design & Illustration I, II Instructor approval required.

Fee: \$40

This course allows for advanced work in the Design & Multimedia Arts Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project-based learning or preparation for end-of-program industry certification. Specific content and course design will be determined by the instructor in collaboration with the student.

11052A/B Commercial Photography I

1 Credit/18 Weeks

Prerequisites: Foundation of Design, Multimedia Arts & Digital Communications A/B and instructor approval required.

Fee: \$40

Students will be introduced to the basic applications of digital photography. Students will learn about essential digital photographic equipment, software, storage devices, and printers to produce, capture, manipulate, correct,

transmit, store and output images. The course emphasizes the needs of commercial photographers with regard to technical expertise, creativity, and professional equipment. Technical aspects include film to digital transfer, lighting, digital image manipulation, alternative processes, large format camera work, and stock photography. Creative exploration of subject matter, lighting, color theory and other psychological characteristics in the development of images are studied. A variety of photographic equipment is utilized for the studio and on location. Students are expected to create a portfolio of work for both print and electronic formats.

11052C/D Commercial Photography II

1 Credit/18 Weeks

Prerequisites: Foundation of Design, Multimedia Arts & Digital Communications A/B, Commercial Photography I and instructor approval required.

Fee: \$40

The course emphasizes the needs of commercial photographers with regard to technical expertise, creativity, and professional equipment. Technical aspects include film to digital transfer, lighting, digital image manipulation, alternative processes, large format camera work, and stock photography. Creative exploration of subject matter, lighting, color theory, and other psychological characteristics in the development of images are studied. A variety of photographic equipment is utilized for the studio and on location. Students are expected to create a portfolio of work for both print and electronic formats. Students may use their own digital camera dependent on camera specifications or check out a camera from the school.

11052E/F Capstone: Commercial Photography

1 Credit/18 Weeks

Prerequisites: Foundation of Design, Multimedia Arts & Digital Communications A/B, Commercial Photography I, II and instructor approval required

Fee: \$40

This course is for sophomores, juniors and seniors and must also have the instructor's approval. This course is designed for the SHS student who wants to major or minor in art in college or pursues the opportunity to develop their own personal expression in Visual Arts. Students must be highly self-motivated and show concern for the quality of their work. An exhibition of student work is required. Career exploration and art history will be covered. Students may use their own digital camera dependent on camera specifications or check out a camera from the school. Course may be repeated for credit. This course is recommended for students who have completed Commercial Photography II. This course is meant to serve students interested in the further development of a professional portfolio in addition to further development of skills and technical knowledge. Students will be expected to further develop knowledge and awareness of the industry of commercial photography. Instruction may be delivered through lab-based classroom experiences and/or career preparation opportunities.

11104A Print Media I (Offered both fall and spring semester)

.50 Credits/9 weeks

Prerequisite: Foundations of Design, Multimedia Arts & Digital Communications

Fee: \$13

Students demonstrate their understanding of a variety of programs and occupations in print media using digital tools that are widely available in professional publication work. Focus is on producing content for reader-oriented publications. Instruction will provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publications. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

11104B Print Media II (Offered both fall and spring semester)

.50 Credits/9 weeks

Prerequisite: Foundations of Design, Multimedia Arts & Digital Communications, Print Media I

Fee: \$13

This course is recommended for students who have completed Print Media I and who want to develop their leadership skills while expanding on various modes of reporting and creating print media for specific audiences. Instruction will provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publications. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

11104C/D Capstone: Digital Media & Communications (Yearbook) (Only offered in the fall)

1 Credits/18 Weeks

Prerequisites: Foundations of Design, Multimedia Arts & Digital Communications, Print Media I/Print Media II & Application and instructor approval

Fee: \$13

This course is open to **sophomores, juniors, and seniors with the prior approval of the instructor**. In order to become a member of the yearbook staff, the student must complete an application and an interview. Yearbook Staff is designed to involve students in the planning, design, writing, editing, layout, and financing of the Sterling High School Yearbook, The Tiger. Students enrolling in this class must be responsible, self-disciplined individuals who have a keen interest in academic areas, activities, and people. **Staff members must be able to communicate effectively with their peers, superiors, and people in general. Students are going to use artistic techniques to effectively communicate ideas and information to business and customer audiences via illustration and other forms of digital or printed media. Topics covered may include digital photography, concept design, layout, paste-up, and techniques such as drawing, painting, collage, and computer graphics using Adobe software. This class runs August-May.**

MUSIC DEPARTMENT

00165 Summer Band

¼ Credit

Prerequisites: Previous band experience & Attendance Requirements

Fee: None

This course is open to all 9th- 12th-grade band students. This is an additional ¼ credit outside the school year for students who participate and meet the attendance requirements.

05105 A/B Jazz Band

½ or 1 Credit/ 9 Weeks, 18 weeks or 36 Weeks

Prerequisites: **All Jazz Band members are REQUIRED to also be enrolled in Concert Band or Percussion Ensemble.**

Fee: \$40

Jazz Band is an auditioned ensemble. More information about auditions and audition music will be handed out during Concert Band rehearsals in the Fall. Students who wish to enroll in Jazz Band must FIRST submit an Audition to the Jazz Band Director.

The Jazz Band is a performing ensemble dedicated to playing and learning about the only large style of music that originated in the USA-Jazz! Along with playing and learning standard jazz repertoire, this ensemble will also be introduced to the history, style, and performers of the genre. In Jazz Band, students will explore the styles and techniques of Jazz playing in depth, including: Swing, Rock, Funk, Latin and Improvisation.

The Jazz Band will rehearse Wednesdays and Fridays from 7:05-7:45am beginning in September. If additional rehearsals are needed, they will be scheduled outside of normal class hours and students will be notified in advance. In order to receive a balanced music education, it is **REQUIRED** that all Jazz Band members also be enrolled in Concert Band or Percussion Ensemble.

The Jazz Band will perform in at least 3 Concerts during the year along with select extra-curricular performances and the potential of additional festivals. **Rehearsals and performances outside of class time are part of the course requirement and will count as a portion of the course grade.**

05101A/B Concert Band I-IV

2 Credits/36 Weeks

Prerequisites: *One of the following: a) previous band experience or b) approval of the band instructor*

Fee: \$40 (assessed once per year)

The Concert Band is the primary performing ensemble of the Sterling High School Band Program. The focus of this ensemble will be on performing standard concert band repertoire in a variety of difficulty levels and styles. In this ensemble, students will focus on and develop their ear training, basic music theory, knowledge of musical terms and musicianship. Emphasis will be placed on perfecting a wide variety of musical techniques and styles, culminating in public performances (including music festivals).

Students in this ensemble will be expected to practice regularly outside of class time. **Rehearsals and performances outside of normal school hours are part of the course requirements and constitute a portion of the course grade.**

Students enrolled in Concert Band are expected to participate in Marching Band and Pep Band throughout the first three grading periods (football and basketball seasons).

Students enrolled in Concert Band will also be eligible for music festivals, All-State Band, and other Honor Bands. This class runs August-May.

05106A/B Percussion Ensemble

2 Credits/36 Weeks

Prerequisites: Previous Percussion Experience AND/OR Band Director Approval

Fee: \$40 (Fee assessed 1 time)

This course is open to all **Percussion** students who have previous band experience and are interested in further developing their abilities in the percussive arts. Percussion Ensemble is an extension of the regular band class designed to give percussionists individualized and group instruction on various percussion instruments. Emphasis will be placed on the fundamentals of comprehensive percussion performance, including tonal concepts, technical skills, rehearsal skills, aural skills and rudimentary music theory. The primary instrumental areas of study will include snare drum, timpani, keyboards, marching percussion, drum set, and various hand-held auxiliary instruments. Students will gain performance experience in a multitude of settings, including solo, chamber, and large ensemble configurations.

During the fall, the members of the Percussion Ensemble make up the Battery (Drumline) and Pit (Front Ensemble) components of the Marching Band. During the Winter/Spring, members of the Percussion Ensemble combine with the Concert Band and Symphonic Band to perform at various concerts, festivals, contests, etc. **Attendance at various rehearsal and performances that take place outside normal school hours is a course requirement.**

05151A/B Honors Symphonic Band

1 Credit/18 weeks (Spring Term ONLY)

Prerequisites: One of the following: a.) Auditioned and Approved by the Band Director
b.) Previous Symphonic Band experience at SHS

Open To: any 10th-12th grader with previous band experience at SHS

Fee: \$40

*****Students should only select this ensemble AFTER an audition has been submitted AND a SIGNED approval form from the Band Director has been received.*****

This course is open to any 10th-12th graders who meet the Prerequisite Requirements listed above (9th graders will ONLY be accepted with prior Director Approval). The Honors Symphonic Band is an advanced extension of the Concert Band ensemble at Sterling High School. The focus of the ensemble will be on performing high level concert band repertoire in a variety of styles as well as further development of the essential skills students learned through Concert Band. Students will continue to develop their ear training and music theory skills, as well as their knowledge of musical terms and individual musicianship. Emphasis is placed on further developing a wide variety of techniques and styles with a higher level of difficulty, culminating in public performances (including music festivals).

Students in this ensemble will be expected to practice regularly outside of class time, individual practicing demands for students enrolled in this ensemble will be much higher than those for Concert Band students, and students will be held to a high standard in regards to their individual practicing schedule. ***Rehearsals and performances outside of normal school hours are part of the course requirement and constitute a portion of the course grade.***

Students enrolled in Symphonic Band will be expected to participate in Pep Band throughout the basketball season.

Students enrolled in Symphonic Band will also be eligible for music festivals, All-State Band, Festival of Winds, and other Honor Bands. Symphonic Band may also be given extra performance opportunities (i.e. Herald Trumpets, Pit Orchestra, etc.) that may not be offered to Concert Band students.

05990A/B Color Guard (Fall Term ONLY)

1 Credit/18 Weeks (Fall Term Only)

Prerequisite: None (Previous Color Guard experience is a plus)

Open to: All 9th-12th Grade Students

Fee: \$40

The Color Guard is a performance ensemble emphasizing the fundamentals of body and equipment movement through choreographed routines and drill design. Instruction will include movement basics, equipment basics on flag and rifle, performance observation and analysis, and basic design and choreography.

The Color Guard functions as an auxiliary unit to the SHS Marching Band in the Fall. The Color guard will prepare and perform routines, along with the SHS Marching Band, for marching competitions, pep rallies, parades, and various community events. The Color Guard **MAY** perform/compete as a Winter Guard or Indoor Guard at the discretion of the Director. **If enrolled, participation in ALL events, performances and rehearsals is REQUIRED.**

Performance includes all SHS Marching Band activities, with a potential for a Winter Guard performance at the end of the semester. Students enrolled in this course will be expected to practice regularly outside of class time. **Rehearsals and performances outside of normal school hours are part of the course requirement and constitute a portion of the course grade.**

The Color Guard is open to all Sterling High School students. Any student wishing to participate in the Color Guard during the Marching Band season **MUST ALSO BE ENROLLED IN THE COLOR GUARD COURSE.**

05113A/B Music Theory

1 Credit/18 Weeks

Prerequisites: Previous High School Music Experience (band, choir or other) Preferred
(Students who do not meet this requirement may be accepted on a case-by-case basis.
Please speak to the Director if you are interested)

Open To: any 10th-12th grader (Preferably with previous HIGH SCHOOL music experience)

Fee: None

****Students entering 9th grade may enroll with Director Approval-speak with the Director if you are interested****

This course is open to any 10th- 12th grade student with previous music experience (band/choir/guitar/piano,etc). Students will gain an in-depth knowledge and understanding of how to read and write music, and use the tools and methods learned to compose, analyze, articulate and evaluate musical elements and philosophies. Any student considering a career in music (of any type) should **HIGHLY** consider this course.

05116A/B Music History/History of Rock 'n' Roll

1 Credit/18 Weeks

Prerequisites: None

Fee: None

Open to all students 9th-12th, this course explores the evolution of popular music styles from the 19th century to the present. Students will study a wide range of musical forms, including: Blues, Swing, Country, Rhythm & Blues, Doo Wop, and all styles of Rock and Roll from the 1950s to punk, funk, and hip-hop. Students will be introduced to these styles, and their effect on modern history, through reading, in-class demonstration, videos and extensive listening.

05051 A/B Theatre 1-4

1 Credit/18 Weeks

Prerequisites: None

Fee: None

This course is designed to develop artistic participation, creative expression, and aesthetic valuing; to develop the ability to connect and apply what is learned in drama to other art forms, subjects, and careers. In this course, students will learn theatre terminology for the stage, acting, directing, and technical aspects of production. Much of the course content will be studied through active, hands-on projects. Students will learn to do acting improvisations, monologues, and scenes involving multiple actors. Performances and some selected in-class work may be video-recorded for analysis and evaluation. Students will read, analyze and present scenes and plays.

05108A/B Strings Ensemble I-IV

1 Credits 18 Weeks

Prerequisites: None

Fee: None

This course is open to all high school students. Emphasis is placed on the techniques required for the beginning guitarist in an ensemble setting. Performances will take place during the advanced stages of the course (must have a guitar). Students may repeat this class.

05110 A/B Concert Choir I-IV (Fall Terms)

1 Credits/Year 18 Weeks

Prerequisites: None

Fee: \$40 (Fee assessed 1 time)

A course designed for 9th-12th grade female students. Correct methods of voice production, the application of good choral literature, and the development of self-confidence are all goals of this choir. Members are eligible for music festivals, All-State, and League Honor Choirs.

05110 C/D Concert Choir I-IV (Spring Terms)

1 Credit/18 Weeks

Prerequisites: None

Fee: \$40 (Fee assessed 1 time)

A course designed for 9th-12th grade male students. Correct methods of voice production, the application of good choral literature, and the development of self-confidence are all goals of this choir. Members are eligible for music festivals, All-State, and League Honor Choirs.

05111 A/B Jazz Choir I-IV

1 Credit 36 Weeks

Prerequisites: Must be a member of Alto/Soprano/Bass/Tenor Choir or Instructor Approval

Fee: \$40

This class meets at 7:00 a.m. only *Alternates daily with Jazz Band. This class is open to those students already involved with the Concert Choir. Acceptance is determined by audition. This choir meets every other day at 7:00 a.m. with some rehearsals during the evening hours. Emphasis is placed on vocal techniques for jazz, swing, pop, and show music. The members of this group are expected to purchase their costumes.

BUSINESS DEPARTMENT

10004A Intro to PC Applications

½ Credit/9 Weeks

Prerequisites: 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.

10004B Advanced PC Applications

½ Credit/9 Weeks

Prerequisites: Intro to PC Applications A

Fee: None

A class designed for a student with advanced computer skills who want to pursue additional computer skills. Advanced level skills include applications in Word Processing, Spreadsheets, Database, Presentation, video, and digital software, and web design.

11004A/B Social Media for Business

1 Credit/18 Weeks

Prerequisites: None

Fee: None

Students learn how to use social media as a business strategy and 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.

12051A/B Introduction to Business

1 Credit/18 Weeks

Prerequisites: None

Fee: None

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

19262 FINANCIAL LITERACY

½ Credit/9 Weeks

Prerequisite: None

Fee: None

The Financial Literacy course at Sterling High School is a one-semester course that is required for all SHS sophomores as part of their State mandated ICAP and Re-1 Valley graduation requirements. The purpose of this course is to give students exposure to essential 21st-century financial literacy skills. The focus of this course will be to understand and apply tried and true principles in personal finance including relating with money, budget planning, credit, and debt management, investing and financing for college, making sound consumer choices, as well as savings and retirement planning.

ENGLISH DEPARTMENT
(Language Arts)

Four years of English are required, listed below are the required and elective courses.

	Required	Elective
Freshman	English I or Pre-English I* (*Students will be placed by administrative/instructor recommendation.)	
Sophomore	English II	
Junior	English III	"The Art of Public Speaking/Speech" Creative Writing
Senior	English IV or ENG 1021/1022	"The Art of Public Speaking/Speech" Creative Writing

*Students will be placed in **Pre-English I** based on administrative/instructor recommendation.

*Students who are considering concurrent enrollment options must demonstrate grade-level competencies through ACT/SAT or Accuplacer scores for placement.

01009A/B Pre-English I

1 Credit/18 Weeks

Prerequisites: *Administrative/Instructor Placement

Fee: None

The Pre-English curriculum includes the study of basic grammar, vocabulary, constructed response, and reading comprehension at a remedial level. This course is designed to help students develop and refine their skills in

reading/writing and it is offered to incoming **freshmen or sophomores** whose classroom grades and/or standardized tests in reading or language usage are below grade level. The modified, research-based curriculum will be tailored to individual student needs targeting Colorado Standards for Reading and Writing. Students will be closely monitored throughout the year to measure and assess growth in reading, language usage, and writing competencies.

***THIS COURSE IS CLASSIFIED AS A REMEDIAL LEVEL ENGLISH COURSE; HOWEVER, IT WILL COUNT AS ONE CREDIT OF REQUIRED ENGLISH TOWARD GRADUATION REQUIREMENTS WITH ADMINISTRATIVE APPROVAL.**

01001A/B English I

1 Credit/18 Weeks

Prerequisites: None

Fee: None

Required for graduation, the English I curriculum includes the study of grammar, spelling/vocabulary, composition, and literature/reading comprehension at the 9th-grade level as directed by the Colorado State Standards. Students study and practice Formal Standard English in composition and are evaluated according to the six-trait scoring rubric. The types of composition include narration, description, and exposition. The literature/reading comprehension study includes fiction, non-fiction, poetry, and drama in genres (types). An English I notebook and writing file that documents each student's completion of the English I curriculum is required.

01002 A/B English II

1 Credit/18 Weeks

Prerequisites: English I

Fee: None

Required for graduation, the English II curriculum includes the study of grammar, spelling/vocabulary, composition, and literature/reading comprehension at the 10th-grade level as directed by the Colorado State Standards. The course focuses on elements of Six-Trait/ECAW scoring for greater effectiveness in written composition. The types of the composition may include narration, description, exposition, persuasion, and literary analysis. The literature/reading comprehension studies include novels, short stories, poetry, and film in both fiction and non-fiction genres.

01003 A/B English III

1 Credit/18 Weeks

Prerequisites: English I, English II

Fee: None

This course offers a study of our literary tradition from the Puritans to the present day. The parallel between literature and history will be emphasized so that students will better understand their heritage. Another emphasis will be developing the skill of analyzing literature through written work. The course will focus on selected author

comparisons, character themes, the ability to generalize, and the interpretations of symbols and figurative language. Class activities will include discussion, composition, vocabulary study, panel discussions, and related audio-visual materials. Two major American novels and one contemporary play will be read as a class. A portion of the course deals with the organization and construction of a formal argumentative cited essay. Attention will be paid to methods of research, assessment of resources, organization, and substantiation of the thesis. Preparation for the writing of the paper will include steps in writing the citations, a discussion of plagiarism, and an intensive review of grammar and usage problems.

01004A/B English IV

1 Credit/18 Weeks

Prerequisites: English I, English II, English III

Fee: None

This is a senior course offered to students who are planning to attend college but are not yet prepared for post-secondary level coursework based on sentence structure proficiencies (demonstrated by the ACT/SAT or Accuplacer exam). This course is grammar intensive but will also include four major compositions and five units of continued vocabulary development. The compositions will emphasize critical thinking as students; explore writing for specific purposes and audiences related to description, narration, and exposition, and literary response. It is designed to improve the skills required for college-level writing by reviewing paragraph structure, essay development, and conventional/mechanical competencies. In addition, this course will cover two in-class novel studies that will complement the composition, grammar, and vocabulary units.

01151A/B Speech & Rhetoric

1 Credit 18 weeks

Prerequisites: English I & English II; grade-level proficient

Fee: None

Speech is an elective semester course. It may be taken in the junior or senior year. Speech is designed to introduce students to the basic skills of public speaking and developing an argument. This course includes instruction in speech delivery and speech organization, listening, body language, voice, and diction. Students will learn how to structure an argument using classical appeals, avoid the use of logical fallacies, and how to effectively research a topic for presentation. The course will emphasize not only the preparation and presentation of a stand-alone speech but will also include group discussions and in-class debates.

01104A/B Creative Writing

1 Credit /18 Weeks

Prerequisites: English I, English II; grade-level proficient

Fee: None

Creative Writing is open to **seniors** (and **juniors** with approval of Dept.). Students who enroll in Creative Writing will

grow to enjoy writing. Writing is assigned nearly every day in class and/or at home. Creative writing will offer students a series of activities and experiences designed to cultivate an awareness essential to crafting creative writing products. Students will be studying and analyzing different genres of writing and have the opportunity to create their own projects. Students must demonstrate basic competencies of mechanics and conventions and will be expected to implement creativity and originality in written expression and form. Students will study the genres of prose (fiction and nonfiction), poetry, and drama, creating pieces that will culminate in a portfolio of their work. There must be a minimum number of students enrolled to schedule a section of the class.

WORLD LANGUAGES DEPARTMENT

24052 A/B Spanish I

1 Credit/18 Weeks

Prerequisites: None

Fee: \$25 workbook fee

This 9th-12th grade class teaches listening, speaking, reading, vocabulary, and writing skills at the beginning level. These language lessons focus on fundamentals; it helps students build language proficiency in an immersive environment through carefully sequenced lessons that introduce vocabulary and grammar, which builds upon previously learned content. The curriculum offers speech recognition within all lessons and activities, which helps improve students' pronunciation and speaking confidence. Reinforces grammar, and increases vocabulary.

24053 A/B Spanish II

1 Credit/18 Weeks

Prerequisites: Spanish I

Fee: \$25 workbook fee

Students should have a command of the writing, reading, and conversational skills taught in Spanish I and a desire to advance their knowledge and improve their ability in these skills. This course offers an opportunity for the students to advance their ability to read, write, speak, and comprehend Spanish. In addition to the dialogue, reading selections, and conversations, current periodicals, and some literature are presented to build these skills. There is continued emphasis on Spanish culture, literature, history, and geography.

24054 A/B Spanish III

1 Credit/18 Weeks

Prerequisites: Spanish II

Fee: \$25 workbook fee

Students should have a command of the writing, reading, and conversational skills taught in Spanish II and a desire to advance their knowledge and improve their ability in these skills. This course offers an opportunity for the students to advance their ability to read, write, speak, and comprehend Spanish. In addition to the dialogue, reading selections, and conversations, current periodicals, and some literature are presented to build these skills. There is continued emphasis on Spanish culture, literature, history, and geography.

24055 A/B Spanish IV

1 Credit/18 Weeks

Prerequisites: Spanish III

Fee: \$25 workbook fee

Students should have a command of the writing, reading, and conversational skills taught in Spanish III and a desire to advance their knowledge and improve their ability in these skills. This course offers an opportunity for the students to advance their ability to read, write, speak, and comprehend Spanish. In addition to the dialogue, reading selections, and conversations, current periodicals, and some literature are presented to build these skills. There is continued emphasis on Spanish culture, literature, history, and geography.

AGRICULTURE DEPARTMENT

ALL STUDENTS ENROLLED IN AGRICULTURE WILL BE REQUIRED TO DEVELOP A SUPERVISED AGRICULTURE EXPERIENCE. ALL STUDENTS ENROLLED IN AN AGRICULTURE COURSE WILL BE MEMBERS OF THE STERLING FFA CHAPTER.

18001 A/B Introduction to Agriculture –Offered Fall 2023

1 Credit/18 Weeks

Prerequisites: None

Fee: \$50

An introductory course for first-year agriculture education students. This course introduces students to the foundational principles of agriculture, food, and natural resources. Students will gain knowledge in career development, leadership, personal development, communications, animal science, plant science, natural resources, food science, power/structure, and agribusiness. **Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.**

18051A/B Principles of Plant Science - Only Offered Spring 2024

1 Credit/ 18 weeks

Fee: \$40

Plant Science provides students with knowledge and information about the growth, development, and reproduction of plants used for food, fiber, and beautification. Topics may include plant anatomy and physiology, plant growth processes such as photosynthesis, propagation(reproduction) methods, taxonomy and classification, and plant identification. The course will also highlight developing communication skills, leadership skills, and incorporate a survey of the careers within the plant science industry. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts. **Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.**

18002A/B Agriculture Capstone-Offered Anytime

1 Credit/ 18 weeks

Fee: \$40

This course allows for advanced work in any ag Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project based learning or preparation for end of program industry certification. Specific content and course design will be determined by the instructor in collaboration with the individual student. **Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.**

18201A/B Principles of Ag Business-Only Offered Spring 2024

1 Credit/18 weeks

Fee: \$40

In this course students will be comparing and contrasting business models and identifying the advantages and disadvantages of owners and customers within the agribusiness chains. Students will show an understanding of basic record keeping skills and applications in an agribusiness. Components include the general journal, balance sheet, cash flow statements, financial statements, reconciliation of accounts, net worth, income statements, and profit and loss statements. Students will understand how these records can allow for business decisions within an agribusinesses or Supervised Agriculture Experience(SAE) program. **Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.**

18101C/D Animal Production - Only Offered Spring 2024

1 Credit/18 weeks

Fee: \$40

Students will gain knowledge, skill and understanding in a variety of systems of production as well as the care, management and handling of livestock and companion animal species. Nutrients and nutrition, types of feeds, balancing rations, herd health management, common diseases, parasites, disease treatment and prevention, reproductive management, routine administration techniques and basic animal handling will be the topics covered in this course. Current animal agriculture issues will be researched and addressed. The scientific processes of observation, hypothesizing, data gathering, interpretation, analysis and application will be included. Career opportunities and educational preparation will be examined. Learning activities are varied with classroom, laboratory and field experiences will be included. **Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.**

18401A/B Principles of Power, Structural and Technical Systems –Only Offered Fall 2023

1 Credit/ 18 Weeks

Prerequisites: Intro to Ag. Science

Fee: \$50

An introductory course educating students on the basic skills and knowledge in construction and land management. This course covers topics including safety, project management, land site management, irrigation and drainage, and agriculture structures and components. Upon completion of this course, proficient students will be prepared for more advanced coursework in agricultural mechanics. **Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects are an integral course component for leadership development, career exploration, and reinforcement of academic concepts.**

MATHEMATICS DEPARTMENT

**ALL MATH CLASSES AT SHS HAVE A \$3 LAB FEE
FOR THE USE OF CALCULATORS**

RE-1 Valley School District implements collaborative, problem-based, mixed-spaced learning in its math courses. Problems allow students to develop cognitive understanding in a way that is more effective in the long term than simply being told a rule or procedure. Teacher-monitored team investigations and social interaction increase the ability to learn ideas. Concepts are learned gradually over many spaced opportunities for practice to improve long-term retention and true mastery of the skill. These strategies enable math students to meet the standards for mathematical practice as well as the state academic standards for math.

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

Colorado Academic Standards for Math Number Sense, Properties, & Operations – Number sense provides students with a firm foundation in mathematics. Students build a deep understanding of quantity, ways of representing numbers, relationships among numbers, and number systems. Students learn that numbers are governed by properties and understanding these properties lead to fluency with operations

Data Analysis, Statistics, & Probability – Data and probability sense provides students with tools to understand information and uncertainty. Students ask questions and gather and use data to answer them. Students use a variety of data analysis and statistics strategies to analyze, develop, and evaluate inferences based on data.

Patterns, Functions, & Algebraic Structures – Pattern sense gives students a lens with which to understand trends and commonalities. Students recognize and represent mathematical relationships and analyze change. Students learn that the structures of algebra allow complex ideas to be expressed succinctly.

Shape, Dimension, & Geometric Relationships – Geometric sense allows students to comprehend space and shape. Students analyze the characteristics and relationships of shapes and structures; engage in logical reasoning, and use tools and techniques to determine the measurement. Students learn that geometry and measurement are useful in representing and solving problems in the real world as well as in mathematics.

CALCULATOR RECOMMENDATION

The math department suggests that students purchase and use their own graphing calculators throughout high school. The TI- 83, TI-84 are all recommended at the high school level, allowed on most standardized tests, and utilized in most colleges as well.

02001A Fundamentals of Math 1

.50 Credit/9 Weeks

Prerequisite: Teacher Recommendation

Fee: \$2

Fundamentals of Math 1 course emphasizes the teaching of mathematics as problem solving, communication, and reasoning, and highlight the connections among mathematical topics and between mathematics and other disciplines. These courses approach the teaching of general mathematics, pre-algebra, and pre-geometry topics by applying numbers, and algebraic and geometric concepts and relationships to real world problems. This course is meant to prepare students for Fundamentals of Math 2.

02001B Fundamentals of Math 2

.50 Credit/9 Weeks

Prerequisites: Teacher Recommendation

Fee: \$2

Fundamentals of Math 2 emphasizes critical thinking and application of math skills. Topics covered in this course include basic concepts of arithmetic, a deep dive into the number system, solving multistep equations and inequalities, and an examination of mathematical formulas. This course is meant to prepare students for Pre-Algebra.

02051 A/B Pre-Algebra

1 Credit/18 Weeks

Prerequisites: Teacher Recommendation

Fee: \$4

Pre-Algebra increases students foundational mathematical skills and prepares them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets, and logic, formulas, and solving first-degree equations and inequalities.

02052 A/B Algebra I

1 Credit/18 Weeks

Prerequisites: None

Fee: \$4

Algebra 1 includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

02072 A/B Geometry

1 Credit/18 Weeks

Prerequisites: Algebra I

Fee: \$4

The geometry course aims to formalize and extend the geometry that students have learned in previous courses. Topics include triangle congruence, similarity based on dilations and proportional reasoning, formal proofs, properties of two-and-three dimensional objects, an introduction to Trigonometry, and compound probability.

02056A/B Algebra II

1 Credit/18 Weeks

Prerequisites: Geometry

Fee: \$4

Algebra II course topics include function properties, set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; properties of higher-degree equations; and operations with rational and irrational exponents. The SHS Math Dept. has the additional goal of discovery and real-world applications of any maths learned.

02104 Pre-Calculus (Elementary Functions)

½ Credit/Sem. (Taught 1st Term or 3rd Term/9 Weeks)

Prerequisites: Algebra II

Fee: \$2

Elementary Functions, while preparing students for eventual work in calculus, includes the study of relations and functions, including polynomial, logarithmic, exponential, rational functions and their inverses, graphs, and applications.

02107 Trigonometry/Analytic Geometry

½ Credit/Sem. (Taught 2nd Term or 4th Term/9 Weeks)

Prerequisites: Pre-Calculus (Elementary Functions)

Fee: \$2

Covering topics of both Trigonometry and Analytic Geometry, this course prepares students for eventual work in calculus. Topics include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; vectors; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations.

02138A/B Real World Math

1 Credit/18 weeks

Prerequisite: Geometry and teacher approval

Fee: \$4

This is senior level math class. The class will provide glimpses into other ways of thinking mathematically with applications to everyday life. The focus will be to highlight algorithmic, graphical, algebraic, statistical and analytical approaches to solving problems. The course provides a solid foundation in quantitative reasoning, symbolic reasoning, and problem solving techniques needed to be a productive, contributing citizen in the 21st century.

SOCIAL STUDIES DEPARTMENT

Students are required to complete a minimum of three (3) credits in the area of Social Sciences in order to meet school and district graduation requirements. Below is a list of **required** and **elective** courses available for each academic year.

Required Courses by Year

Freshman: None

Sophomore: World History/Geography: 18 weeks

Junior: American History 18 weeks

Senior: Civic Democracy 18 weeks

Student's need 3 Social Studies credits to meet the graduation requirements. World History/Geography, American History and Civic Democracy must be taken on the SHS Campus.

04061 A/B World History/Geography

1 Credit/18 Weeks

Prerequisites: None

Fee: None

This course is required of all Sterling High School students. World History/Geography compares and contrasts the historical, cultural, and geographical differences between regions of the world. The focus of the class is on understanding each region's cultural and historical development as well as its place in the larger world community. In addition, students will receive instruction in the basic geographic concepts and terminology focusing on five themes of geography and their relationship to understanding geographic concepts. This class will be taken a student's sophomore year.

04103 A/B American History

1 Credit/18 Weeks

Prerequisites: None

Fee: None

The primary focus of this class will be on the period of U.S. History from the 1870s to the present time. Major areas of history that will be covered include the industrial revolution and westward expansion, twentieth-century war, and the emergence of the U.S. as a world power. Through the development of critical thinking and writing skills, students will focus on causes and consequences of major events in our native history. A major theme of the course will be to compare and contrast past problems with problems of the present. This class will be taken a student's junior year.

04161 A/B Civic Democracy

1 Credit/18 Weeks

Prerequisite: None

Fee: None

Civic Democracy is an 18 week course that provides an overview of the structure and functions of the U.S. government and political institutions and examine constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process as well as a theoretical perspective, including an examination of the role of government and the nature of political behavior, political power, and political action. This course may examine the structure and function of state and local governments and may cover certain economic and legal topics. This class will be taken a student's senior year.

PHYSICAL EDUCATION DEPARTMENT

08009 A/B Weight Training and Conditioning

½ Credit/9 Weeks or 1 Credit/18 Weeks

Prerequisite: Pass 2 9 week terms of classroom PE

Fee: Cost of a black t-shirt, any color gym shorts or sweat pants, socks and tennis shoes.

This course is for 9th-12th graders to provide the students a general knowledge of weight training and conditioning. They will be introduced to the concepts and theories behind weight training and conditioning. They will be required then to implement these principles into a weight training and conditioning program for themselves. Specific guidelines will involve lifting on Tuesday through Friday. This class is not to replace the regular physical education class. This class may be taken more than once. Freshman can register for this class once they have completed 2 9-week terms of PE in the classroom. (Freshmen may sign up for this class during their Spring terms)

08001A/B Physical Education

½ Credit/9 Weeks or 1 Credit/18 Weeks

Prerequisite: None

Fee: Cost of orange t-shirt, any color gym shorts or sweat pants, socks and tennis shoes/bowling money and golf money

Open to all grade levels. The co-educational physical education classes offer one the opportunity to participate in individual, dual, and team sports and rhythmic activities. Emphasis is also given to individual carry-over and recreational activities. This course is a one-semester or year course. The course provides an opportunity for one to recognize the need for physical activities and to maintain a state of good physical fitness. Credit is given on the basis of achievement in activity skill, physical fitness, participation, attitude, and evidence of self-improvement, both mentally and physically.

TECHNOLOGY DEPARTMENT

All SHS technology courses are designed to give students an opportunity to learn and work in various areas of technology to gain the skills and knowledge necessary that will help them choose, and prepare for 21st-century technology careers. Students that take these classes gain skills in innovation and design that are critical for careers such as Engineering, Architecture, Robotics, Alternative Energy, as well as high-tech careers that have not yet been invented. The SHS technology department has two pathways: STEM Pathway and Multi-Media Visual Arts Pathway. Foundations of Technology I and II are the prerequisites for students looking to advance in the STEM pathway. Students can then take Technology II, Technology III, and STEM Capstone courses. Students interested in the Multi-Media Visual Arts pathway are required to take the fall semester of Foundations of Art and spring semester of Foundations of Technology II which are the prerequisites for the Multi-Media Visual Arts Pathway. The students can move through consecutive classes as they wish. All technology courses have a technology lab fee of \$20 per semester and the students will have an opportunity to make numerous quality products in a technology/engineering environment.

21001A/B Principles of Engineering & Tech

1 Credit/18 Weeks

Prerequisites: None

Fee: \$40

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

21003A/B Intro to Engineering & Tech

1 Credit/18 Weeks

Prerequisites: Principles of Engineering & Tech

Fee: \$40

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

others. This class may be taken a student's freshman year in the Spring if they have fulfilled the Principles of Engineering & Tech requirement in the fall.

21007A/B Applied Engineering Design

1 Credit/18 Weeks

Prerequisites: Principles of Engineering & Tech, Intro to Engineering & Tech

Fee: \$40

The course deepens the skills and knowledge of an engineering student within the context of efficiently creating the products all around us. Students build upon their Computer-Aided Design (CAD) experience through the use of Computer-Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems. This class may be taken a student's sophomore year as long as they have fulfilled the technology requirements their freshman year. This class would be a class the student would take in the fall.

21097A/B Capstone Engineering & Technology

1 Credit/18 Weeks

Prerequisites: Principles of Engineering & Tech, Intro to Engineering & Tech, and Applied Engineering Design

Fee: \$40

This course allows for advanced work in the Engineering & Design Program of Study. This advanced work can be individualized to the specific program of study to allow for specialized study for the student. It may include project-based learning or preparation for end-of-program industry certification. Specific content and course design will be determined by the instructor in collaboration with the individual student. **Course may be repeated for credit.** This class may be taken a student's sophomore year as long as they have fulfilled the tech requirements. This would be a class the student can take in the Spring.

10205A Video Game Design I

½ Credit/9 Weeks

Prerequisites: Foundations of Art I and Foundations of Technology II

Fee: \$20

Video Game Design will provide students the opportunity to learn and understand the technological and creative aspects of video game design. Students will learn how to build and design a game from the beginning through completion. Students will learn all the basic concepts of building and designing a game such as a scene design, basic animation, collision theory, and logic theory. In this course students (shall, may, will) be introduced to the basics of video game design computational thinking skills, and demonstrate how video games can have real-world

applications. Course concepts will include the elements of game design, art creation, game concept design, basic animation, basic programming, and the process of playtesting - reworking a game through play and review.

10205B Video Game Design II

½ Credit/9 Weeks

Prerequisites: Foundations of Art, Foundations of Tech II, and Video Game Design I

Fee: \$20

In Video Game Design II students will have the opportunity to design and build their game from the beginning through completion. Students will learn all concepts of game design that will include creativeness and the business and technological components required to launch a new video game system as well as advanced concepts in animation, collision theory, and logic theory. Students will design and build their own games. In this course students (shall, may, will) be introduced to the basics of video game design computational thinking skills, and demonstrate how video games can have real-world applications. Course concepts will include the elements of game design, art creation, game concept design, basic animation, basic programming, and the process of playtesting - reworking a game through play and review.

ACE21098 A/B Alternative Cooperative Education Class (ACE BOE Production/Business Class)

1 Credit/18 weeks

Prerequisites: None

Fee: None

This is a hands-on course in which the students learn business basics by operating a school store and creating various graphic projects including t-shirts, posters, vinyl lettering/signs, dog tags, and wood designs. Students assist in all basic business decisions including such things as ordering and taking inventory, accounting, selling, and interacting with the public for potential projects. Students learn the skills necessary to work with others.

FAMILY AND CONSUMER SCIENCE

19258A/B Teen Choices

1 Credit/18 Weeks

Prerequisites: None

Fee: None

This 9 week Family and Consumer Sciences course is an exploratory feeder course that focuses on personal power, wellness, personal relationships, teens, and the law. The purpose of this course is to acquire the academic knowledge and understanding necessary for healthy decision-making during the teen years. Emphasis is placed on teens as valued individuals who take responsibility for personal success and contribute to family and community well-being. Family Career and Community Leaders of America activities will be incorporated into the curriculum.

19257A/B Life Management

1 Credit/18 Weeks

Prerequisites: None

Fee: None

Students will develop decision-making skills to become educated consumers with an understanding and academic knowledge of consumer resources and financial organizations. The course focuses on personal and family resources, job and career, personal and family finances, and wellness. Emphasis is placed on independent living, healthy lifestyles, career research, and job portfolios, personal financial literacy, investments, credit, insurance, leasing vs. purchasing of autos and homes. Family Career and Community Leaders of America activities will be incorporated into the curriculum. This course is open to 9th-12th graders.

19255A/B Child & Adolescent Development

1Credit/18 Weeks

Prerequisites: None

Fee: None

The purpose of this course is to acquire knowledge and understanding of child and adolescent development necessary for strengthening the well-being of children and families. Content focuses on perspectives of human development, research and theories, understanding and nurturing development, and challenges to development. Family Career and Community Leaders of America activities will be incorporated into the curriculum. This course is open to 9th-12th graders.

19260A/B Interpersonal Relationships

1 Credit/18 Weeks

Prerequisites: None

Fee: None

The purpose of the course is to acquire academic knowledge and understanding for healthy, respectful, and caring relationships across the lifespan. Emphasis is placed on family and friend dynamics, effective communication, and healthy interpersonal relationships. Family Career and Community Leaders of America activities will be incorporated into the curriculum. This course is open to 9th-12th graders.

16051A Culinary Essentials 1

½ Credit/9 Weeks

Prerequisites: None

Fee: \$40

This course is designed to introduce students to a variety of culinary skills and food preparation. Through instruction and culinary lab practice, this class will provide an opportunity for students to learn food preparation and demonstrate food safety. Some topics include introductory culinary skills and preparation of items such as quick breads, yeast bread, and eggs; as well as meal and menu planning, nutrition, and food-borne illnesses. Students will be able to: Demonstrate the correct procedures and techniques in introductory culinary labs. Analyze nutritional guidelines and plan menus that are nutritionally balanced. Demonstrate food safety standards. Family Career and Community Leaders of America activities will be incorporated into the curriculum.

16051B Culinary Essentials 2

½ Credit/9 Weeks

Prerequisites: Culinary Essentials 1, Instructor approval

Fee: \$40

This intermediate culinary lab course is designed for students interested in exploring culinary careers, and to advance them to the next level of food preparation. The students will have the opportunity to prepare menu items that involve more detailed procedures, and practice techniques used in the culinary field. They will: Classify pasta types and create fresh pasta dishes. Prepare and evaluate the nutritional value of various types of meats. Select herbs and spices to enhance the flavors of foods. Apply techniques used in cake and cookie decorating. Develop skills in preparing advanced yeast breads and pastries. Identify the origins and prepare foods from different regions and cultures. Emphasize presentation throughout the course. Family Career and Community Leaders of America activities will be incorporated into the curriculum.

16052A Baking and Pastry I

½ Credit/9 Weeks

Prerequisite: Culinary Essentials 2

Fee: \$40

Welcome to Baking and Pastry! This course is designed to give students opportunities to showcase their culinary artistic abilities! Students will apply concepts and skills to real-life situations as they relate to baking and pastry. Throughout this course students will learn about baking and pastry equipment and tools, recipe formulas and modifications, dietary modification in baking and pastry, practice and refine decorating techniques, baking and pastry career opportunities. Baking and Pastry is a two semester course. Satisfactory completion (C or higher) of Culinary Essentials 1 and 2 is a prerequisite for Baking and Pastry.

16052B Baking and Pastry 2

½ Credit/9 Weeks

Prerequisite: Baking and Pastry I

Fee: \$40

Welcome to Baking and Pastry! This course is designed to give students opportunities to showcase their culinary artistic abilities! Students will apply concepts and skills to real-life situations as they relate to baking and pastry. Throughout this course students will learn about baking and pastry equipment and tools, recipe formulas and modifications, dietary modification in baking and pastry, practice and refine decorating techniques, baking and pastry career opportunities. Baking and Pastry is a two semester course. Satisfactory completion (C or higher) in Culinary Essentials 1 and 2 and Baking and Pastry I are prerequisites.

16056A Culinary Arts 1

½ Credit/9 Weeks

Prerequisites: Culinary Essentials 2, Instructor approval

Fee: \$40

This transitional culinary lab course will apply menu planning techniques learned in Culinary Essentials 2 in culinary lab practice. This course also will begin to incorporate a student-run restaurant open to the public focusing on operation, food preparation, customer service, front and back of the house experiences, food safety, and management during the semester. Family Career and Community Leaders of America activities will be incorporated into the curriculum.

16056B Culinary Arts 1

½ Credit/9 Weeks

Prerequisites: Culinary Arts 1A, Instructor approval

Fee: \$40

This transitional culinary lab course will continue applying menu planning techniques learned in Culinary Essentials 2 and Culinary Arts 1A in culinary lab practice. This course also will expand incorporating a student-run restaurant open to the public focusing on operation, food preparation, customer service, front and back of the house experiences, food safety, and management. Family Career and Community Leaders of America activities will be incorporated into the curriculum.

16057A Culinary Arts 2

½ Credit/9 Weeks

Prerequisites: Culinary Arts 1B, Instructor Approval

Fee: \$40

Advanced level culinary lab course that continues to incorporate a student-run restaurant open to the public focusing on advanced principles of operation, advanced food preparation, customer service, front and back of the house experiences, food safety, and management. This course provides opportunities to apply leadership skills. Family Career and Community Leaders of America activities will be incorporated into the curriculum.

16057B Culinary Arts 2

½ Credit/9 Weeks

Prerequisites: Culinary Arts 2A

Fee: \$40

Advanced level culinary lab course that continues to incorporate a student-run restaurant open to the public focusing on advanced principles of operation, advanced food preparation, customer service, front and back of the house experiences, food safety, and management. This course provides opportunities to apply leadership skills. Family Career and Community Leaders of America activities will be incorporated into the curriculum.

19299A FCS Leadership A

½ Credit/9 Weeks

Prerequisites: Culinary Arts I or Child Development & Relationships, Instructor approval

Fee: None

This course is for advanced family and consumer sciences students wanting to cultivate essential leadership skills and establish fundamental knowledge of Family Career and Community Leaders of America (FCCLA), in which

students are required to be a member of FCCLA. Students will have the opportunity to develop and enhance a personal philosophy of leadership that includes: the understanding of self, others, and community, and acceptance of responsibilities inherent in community membership. Learning opportunities may include direct experiences such as FCCLA competition preparation, community service projects, dynamic leadership portfolios, and career exploration. Family Career and Community Leaders of America activities will be incorporated into the curriculum. This course is open to 11th and 12th-grade students.

19299B FCS Leadership B

½ Credit/9 Weeks

Prerequisites: Culinary Arts 1 or Child Development & Relationships, Instructor approval

Fee: None

This course is for advanced family and consumer sciences students wanting to cultivate essential leadership skills and establish fundamental knowledge of Family Career and Community Leaders of America (FCCLA), in which students are required to be a member of FCCLA. Students will have the opportunity to develop and enhance a personal philosophy of leadership that includes: the understanding of self, others, and community, and acceptance of responsibilities inherent in community membership. Learning opportunities may include direct experiences such as FCCLA competition preparation, community service projects, dynamic leadership portfolios, and career exploration. Family Career and Community Leaders of America activities will be incorporated into the curriculum. This class is open to 11th or 12th-grade students.

SCIENCE DEPARTMENT

Graduation Requirements:

Three credits-must have one credit from each of the following disciplines of science: Earth, Life and Physical Science.

Recommended order of classes:

Freshman Year-Earth Science

Sophomore Year-Biology

Junior Year-Chemistry or Algebra Based Physics or Physical Science, Community Health (elective)

Senior Year-Human Anatomy and Physiology, Community Health (elective), Chemistry or Physics *Students desiring to enter the science field are encouraged to take a fourth science class.

03001A/B Earth Science

1 Credit/18 Weeks

Prerequisites: None

Fee: \$10

This class is to be taken FRESHMEN year. This class will offer insight into the environment on earth and the earth's environment in space. Concepts and principles essential to understanding the dynamics and history of the earth, as well as human impact on the environment will be presented. During the year instruction and labs will explore oceanography, geology, astronomy, meteorology, and geography. This class will also look at the conservation of the earth and its natural resources.

03051A/B Biology

1 Credit/18 Weeks

Prerequisites: Earth Science and Instructor approval

Fee: \$10

A course for 10th-12th graders. Biology is the in-depth study of living things emphasizing the following concepts: interrelationships between individuals, populations, and their environment, diversity in the biosphere, structure-function, and behavior of organisms, the relationship of humans to the living world. This class will include in-depth lab work.

03053A/B Human Anatomy & Physiology

1 Credit/18 Weeks

Prerequisites: Biology/Instructor approval

Fee: \$30

A study for 11th-12th grade students of the major systems of the human body from both an anatomical and physiological approach. Primarily a discussion class with emphasis on daily application and health values in studying the human body. There will be a dissection of a fetal pig. This class will contain terminology that students would have found in the Med Prep classes and will find in the medical field. If a student is interested in a medical career, this class would be recommended and very beneficial for the student.

03101A/B Chemistry

1 Credit/18 Weeks

Prerequisite: Earth Science, Instructor approval, and Algebra 1

Fee: \$10

A 10th-12th grade laboratory course that provides a more in-depth study of chemical principles. Students will investigate and discuss such topics as the structure and properties of matter, chemical bonding and reactions, relationships between energy and matter, solutions, and organic and nuclear chemistry as well as other topics of interest. This class is designed for students who may want to enroll in college science courses and need a good background in Chemistry.

03159A/B Physical Science

1 Credit/18 Weeks

Prerequisites: Earth Science and Instructor approval

Fee: \$10

This class is open to 10th-12th graders. This course is an inquiry and lab-based exploration of the physical sciences: Chemistry and Physics. This class will focus on the concepts and principles of each study and provide a solid foundation of the physical sciences. Students will learn to construct science knowledge by formulating questions, making predictions, planning requirements, planning experiments, making observations, and analyzing data.

03151A/B Algebra-Based Physics

1 Credit/18 Weeks

Prerequisites: Earth Science, Instructor approval, and Algebra II or concurrent enrollment in Algebra II.

Fee: \$10

This class is open to 11th and 12th graders. Hands-on and minds-on labs, related physics to the course concepts and to everyday life. Topics covered include Mechanics, Waves, Sound and Light, Electricity, and Magnetism. This course strikes a balance between emphasizing the principles and concepts of physics and the solution of problems. Students will use algebra and trigonometry in this course. The laboratory work in physics is designed to help the student understand the basic principles of physics.

03212A/B Science Research

1 Credit/18 Weeks

Prerequisites: Earth Science and Instructor approval

Fee: \$10

This class is open to 10th-12th graders. The class will focus on the methods of solid scientific research and experimentation. Students will be required to create a research project which will be entered into the regional science fair. This class offers the opportunity for students to compete with their work and potential scholarship opportunities. This class should be taken multiple years in order to develop the appropriate research abilities and to participate in several science fairs. Science Research does not fulfill the science requirements. Science Research will be counted as elective credit.

08051 Health

½ Credit/9 Weeks

Prerequisites: None

Fee: None

A required Sophomore class. The purpose of health education is to assist in the optimum development of adequate understandings, wholesome attitudes, and desirable practices relating to the mental, physical, social, and emotional health of the individual, his family, and his community.

08053 Community Health

1 Credit/18 Weeks

Prerequisite: Successful completion of Health (Sophomores who have successfully passed health and have instructor's approval may register for this class.)

Fee: \$5.00

This course is designed for Juniors and Senior. (Sophomores who have successfully passed health and have instructor's approval may register for this class). Community Health courses cover not only personal health topics (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on), but also more general health issues. These additional topics may include (among others) available community resources, fundamentals of the nation's health care system, contemporary world health issues, and career options within the health field. Sophomores who have successfully passed health and have instructor's approval may enroll in this class.

SPECIAL PROGRAMS

1190A/B School-to-Career Internship

Prerequisite: 11th or 12th grade

¼ to 3 Credits/9 Weeks/18 Weeks or 36 Weeks

This School-to-Career program is only offered to juniors and seniors. Eligible students will have demonstrated the maturity for on-the-job placement through their regular attendance and responsible, independent behavior in SHS classrooms and program. Students will be required to demonstrate readiness through completion of employment skills assignments, job application and resume.

Some workplace assignments may require vaccination records such as COVID and Influenza.

The 'on-the-job' experience should relate to your career field of interest as identified in your ICAP. A training plan, developed by you and your job supervisor, will give you an opportunity to develop skills that led to your occupational goals. Weekly timesheets (verified attendance signed by the employer/supervisor) and bi-monthly journal reflections are required for grading. A final project, written thank you notes, and an updated resume are required at the end of the internship for a final grade.

Internship courses required forms/contract include: Preliminary Interview, Application, Resume, Student Contract, Code of Ethics Statement, Supervisor Contract, Parental Permission Form, Training Plan, and Weekly Time Sheet. Semester grades are based on the student's ability to successfully complete the necessary job requirements, turn in required paperwork and demonstrate mature workplace skills and behavior. ***Students will not be assigned to internships with immediate family as their supervisors.*** *ENROLLMENT WILL BE LIMITED TO 35 STUDENTS PER SEMESTER*

RE-1 Valley School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the non-discrimination policies: Director of Student Services/Assistant Superintendent. Address: 301 Hagen St., Sterling, CO 80751 Phone: 970-522-0792.