

Sterling High School

2020-2021 Course Description Book



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Home of the Tigers

Principal-Wally Beardsley

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Counselors

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Intervention Specialist (RTI)-Kathy Hradecky

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 parent
6. Proof of residency

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Flow Charts for the 2020-2021f school year are located under the Department Flowchart Tab on the SHS Website.

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 own 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. Schedule changes are not permitted at semester to drop a year long course.**

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 district's academic standards 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.

Students participating in the Blended Learning and Online Program must earn a total of 18 basic and core content 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 |
|--|---|--|
| <p>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.</p> | <p>Next Generation ENGLISH 241 on Reading OR 236 on Writing.</p> | <p>Next Gen MATH 255 on Arithmetic (AR) OR 230 on Quantitative Reasoning, Algebra, and Statistics (QAS)</p> |
| <p>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.</p> | <p>Score of at least 470 on English.</p> | <p>Score of at least 500 on Math.</p> |
| <p>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.</p> | <p>Score of at least 18 on English.</p> | <p>Score of at least 19 on Math.</p> |
| <p>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.</p> | <p>ENGLISH 31 on the AFQT</p> | <p>MATH 31 on the AFQT</p> |
| <p>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.</p> | <p>ENGLISH Bronze or higher</p> | <p>MATH Bronze or higher</p> |
| <p>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.</p> | <p>Grade of at least a C.</p> | <p>Grade of at least a C.</p> |

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 | 4 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 | 10 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:

| |
|---|
| <p style="text-align: center;"><i>DIVISION I</i> <i>CORE-COURSE REQUIREMENTS</i></p> <p><u>16 Core Courses:</u> 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 additional courses (from any area above, foreign language or comparative religion/philosophy)</p> <p>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</p> |
| <p style="text-align: center;"><i>DIVISION II</i> <i>CORE-COURSE REQUIREMENTS</i></p> <p><u>16 Core Courses:</u> 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 additional courses (from any area above, foreign language or comparative religion/philosophy)</p> <p>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</p> |

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

American Government
Honors AM Government
American History
Honors US History
World History/Geography
Honors Psychology
Social Studies
Psychology 1
Psychology 2

NAT/PHY.SCIENCE

Biology
Chemistry
Physical Science
Physics – Algebra Based
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 CERTIFICATION PROGRAM

Mission: The purpose of the Sterling High School Honors Certification Program is to provide challenging opportunities for students who wish to excel academically and successfully develop the skills, knowledge, and attitudes for a successful **COLLEGIATE** experience.

Goals: To encourage, attract, and retain high achieving Sterling High students and to provide rigorous preparation for college.

Requirements: The Sterling High School Honor's Certification will be awarded to students who have successfully completed a rigorous college preparatory program designed to provide an academic challenge. Listed below are the requirements for all students preparing to receive this honor.

I. Honors Certification Academic Coursework:

Honor's Certification candidates will be required to complete a rigorous program of study. Throughout their academic career, students who expect to receive Honor's Certification will be required to:

- **Achieve a minimum cumulative grade point average of 3.5 or above. If the cumulative GPA falls under 3.5 at the end of the 7th semester, (first semester senior year) the student will no longer be eligible**
- **Must participate in all district/state mandated assessments**
- **Complete a minimum of one Honors course.**
- **Complete a minimum of four (4) credits which are non-remedial college-level Concurrent Enrollment courses (.5 cr/per NJC class).**
- **ACT composite score of 20 or above**
- **SAT score of 1030 or above (Evidence-based Reading and Writing + Math)**

Honors Certification Academic Core Coursework:

Language Arts **4 credits**
(Must take English I, English II, English III, Composition I and Composition II)

Mathematics **4 credits**
(Must take Algebra 1, Geometry, Algebra 2, Pre-Calculus, Trigonometry and 2 additional advanced Math classes)

Science **3 credits**
(Must take Earth Science, Biology and either Chemistry or Algebra Based Physics)

Social Science **3.5 credits**
(Must take Integrated Social Science (.5 credit), World History/Geography (1.0 credit), American History (1.0 credit), and Am. Government (1 credit). Students are encouraged to take Honors US History, Honors Government, or Honors Psychology)

World Language **2 credits**
(2 consecutive years)

Honors Certification Additional Program Requirements:

Activities: During all four years at Sterling High School, students will be required to participate in a minimum of two Sterling High School activities per school year, documented on an SHS transcript. Below is a list of possible school activities from which students may choose:

- Athletics
- Fine Arts
- CTE Organizations, (FBLA, FCCLA, FFA, HOSA, VICA)
- Yearbook
- School Newspaper
- Student Council
- School Clubs

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 fulfill 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 CRS22-35-101 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 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 classes. Re-1 Valley will pay the cost of tuition after COF (College Opportunity Fund) A student must be enrolled in six courses at all times. 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 of on the weekends

Grades in concurrent enrollment courses will count for SHS and NJC credit. All concurrent enrollments need to be handled through the SHS Counseling Office **two** months prior to the beginning of the NJC semester. Students will not be enrolled in concurrent enrollment classes until all paperwork is received in the SHS counseling office. Classes offered in SHS curriculum **cannot** be taken at NJC for concurrent enrollment. Each course in which a student is enrolling for concurrent enrollment is consistent with the student's 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 score are not available, you must then arrange to take the ACCUPLACER at NJC or SHS (Currently the Accuplacer tests costs \$5/test and students must take both the English and the math Accuplacer test. The cost of the test is paid by the student) You may do this by contacting Andrea Wasson in the NJC Counseling Office at 521-6663 or scheduling an appointment with Mrs. Fritzler in the SHS library.



Course Descriptions

Content areas have alternate classes offered based on administrative/teacher placement and assessment scores. Courses are Pre-English, English III Survey, Pre-Algebra, Survey of World History/Geography, Survey of American History, and Survey of American Government.

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 Multi-Media 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 Foundations of Art and Foundations of Technology II (offered only in the spring, see STEM Department for course description) are the prerequisites for the Multi-Media Visual Arts Pathway. 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 media, 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/Year

Prerequisites: None

Fee: \$20/Sem.

Foundations 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 Studio Art II

1 Credit/Year

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

Fee: \$20/sem. 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 Studio Art III

1 Credit/Year

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

Fee: \$20/Sem. Some supplies for individual projects may also have to be purchased.

A junior-senior course 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 Studio 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 Studio Art Senior Capstone

½ Credit/Sem.

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

Fee: \$20/sem. Some supplies for individual projects may also have to be purchased.

This class is for seniors only and must also have instructor's approval. This course is designed for the SHS student who wants to major or minor in art in college or pursue 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 Ceramics/Sculpture II

1 Credit/Year

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

Fee: \$20/sem. 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 Ceramics/Sculpture unit in Foundations of Art with additional projects and opportunities focusing on building technical skill. 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 Ceramics/Sculpture III

1 Credit/Year

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

Fee: \$20/sem.

Some supplies for individual projects may also have to be purchased.

A junior-senior course 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 Ceramics/Sculpture Senior Capstone

½ Credit/Semester

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

Fee: \$20/sem. Some supplies for individual projects may also have to be purchased.

This class is for seniors only and must also have instructor's approval. The course is designed for the SHS student who wants to major or minor in art in college or pursue 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.

05162A/B Graphic Design I

1 Credit/Year

Prerequisites: Fall semester of Foundations of Art (A) and spring semester of Foundations of Technology II/Instructor approval required.

Fee: \$20/sem.

Graphic Design is an introduction to digital imaging and computer-based art. Students will explore different avenues of graphic design, visual communication, self-expression, and creative problem solving through creation of commercial, interactive, and fine art. This course builds on the elements of art taught in Foundations of Art, and explores the principles of design. Students will begin to analyze and critique artwork, evaluate, and write about their findings. Students will learn to use Adobe Illustrator and Photoshop.

05163A/B Graphic Design II

1 Credit/Year

Prerequisites: Fall semester of Foundations of Art (A) and spring semester of Foundations of Technology II, Graphic Design I (full year)/Instructor approval required.

Fee: \$20/sem.

This is an intermediate course designed for students to build upon skills learned in Graphic Design I, and provides extended study of graphic design principles as they apply to more complex problems and solutions. Experimentation, research, conceptual thinking and processes are emphasized in design for print production. Students will explore advanced skill and techniques in Adobe Illustrator and Photoshop with topics in web page design. Students continue to analyze and critique artwork, evaluate, and write about their findings.

05170E/F Graphic Design Senior Capstone

½ Credit/Semester

Prerequisites: Fall semester of Foundations of Art (A) and spring semester of Foundations of Technology II, Graphic Design I & Graphic Design II (full year)/Instructor approval required.

Fee: \$20/sem.

This course is for seniors only and must also have instructor's approval. This course is designed for the SHS student who wants to major or minor in art in college or pursue 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. Career exploration and art history will be covered. Course may be repeated for credit.

11054A/B Digital Photography I

1 Credit/Year

Prerequisites: Fall semester of Foundations of Art (A) and Spring Semester of Foundations of Technology II/Instructor approval required.

Fee: \$20/sem.

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. Topics on the history of photography, photography as an art, and photography as a career will be covered. Student may use their own digital camera dependent on camera specifications or check out a camera from the school.

05167A/B Digital Photography II

1 Credit/Year

Prerequisites: Fall semester of Foundations of Art (A) and Spring Semester of Foundations of Technology II, Digital Photography I (one year)/Instructor approval required.

Fee: \$20/sem.

This is an intermediate course designed for students to build upon skills learned in Digital Photography I. Individual creative expression is explored in this course. Students learn additional techniques in visual communication through hands-on assignments. Students will demonstrate creative thinking skills, explore techniques, and solve visual arts problems through production of a body of photographic prints. Students may use their own digital camera dependent on camera specifications or check out a camera from the school.

05170G/H Digital Photography Senior Capstone

½ Credit/Semester

Prerequisites: Fall semester of Foundations of Art (A) and Spring Semester of Foundations of Technology II, Digital Photography I,II (one year)/Instructor approval required.

Fee: \$20/sem.

This course is for seniors only and must also have instructor's approval. This course is designed for the SHS student who wants to major or minor in art in college or pursue 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.

MUSIC DEPARTMENT

05051 A/B Theatre 1-4

1 Credit/Year

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.

05105 A/B Jazz Band

½ or 1 Credit/Semester or Year

Prerequisites: See Band prerequisites

Fee: \$27

Jazz Band is offered to 9th -12th graders meeting at 7:00 a.m. only. *This class alternates daily with Jazz Choir. Jazz Band is offered as a separate class for credit. The styles and techniques of jazz playing are studied in depth. Acceptance is determined by audition.

1. Jazz Styles
 - a. Swing
 - b. Jazz-Rock
2. Tone
3. Improvisational Techniques
4. Jazz Harmonies
5. Ensemble Playing
6. Balance
7. Jazz Terminology
8. Variety of Literature

The jazz band performs throughout the year at festivals, contests, community events, school functions, and regularly scheduled concerts.

05101 A/B Band

½ or 1 Credit/Semester or Year

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

Fee: \$40

A course open to 9th-12th graders. The first semester is a combination of marching and concert band work. Concert band work then continues through second semester. Emphasis is placed on perfecting a wide variety of musical techniques and styles, culminating in public performances. Pep band, pit orchestra, and jazz ensemble personnel are selected from the concert band ranks. Pep band performs at athletic functions throughout the first three quarters.

05108 Guitar Ensemble

½ Credit Semester or 1 Credit/Year

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 guitar). Students may repeat this class.

05110 A/B Alto/Soprano Choir

1 Credit/Year

Prerequisites: None

Fee: \$40

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 Bass/Tenor Choir

1 Credit/Year

Prerequisites: None

Fee: \$40

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

1 Credit Year

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

Fee: \$27

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.

00165 Summer Band

¼ Credit

Prerequisites: Previous band experience

Fee: None

This course is open to all 9th- 12th grade band students. This is an additional ¼ credit for students participating in summer band.

05113 Music Theory

½ Credit/Semester

Prerequisites: Previous band or choir experience

Fee: None

The purpose of this course is to give students an in-depth knowledge and understanding of how to read/notate music, develop aural skills, and use those tools and methodologies to compose, analyze, articulate and evaluate musical elements and philosophies. This course will provide students with a deeper understanding of music.

05116 Music History/Appreciation

½ Credit/Semester

Prerequisites: None

Fee: None

This course explores the evolution of popular music styles from the 19th century to the present. Musical forms covered will include: Ragtime, Blues, Tin Pan Alley, early Jazz, Swing, Country, Bluegrass, modern Jazz, 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 through reading, in-class demonstration, videos, and extensive listening.

05124 Music Technology/Recording Techniques

½ Credit/Semester

Prerequisites: None

Fee: None

This course will utilize technology to understand, create and record music. Students will be exposed to engineering and recording and will gain exposure to music software, notation programs, sequencing, marketing, and copyrighting. On-line programs will aid in the students understanding of all basic elements.

BUSINESS DEPARTMENT

10004 A/B Computer Applications

1 Credit/Year

Prerequisites: None

Fee: None

This class is designed for students at any grade level. Included in this class will be instruction in basic computer software including word processing, spreadsheets, database, publishing, and presentation software. Students will also learn web design through HTML.

CIS 118 A/B Intro to PC Applications

½ Credit/Semester

Prerequisites: Computer Applications.

Fee: Determined and billed by NJC

A class designed for a student with advanced computer skills who wants to pursue additional computer skills. Advanced level skills include applications in Word Processing, Spreadsheets, Database, Presentation, video and digital software and Web design. This is a Concurrent Enrollment class.

11004 Intro to Social Media

½ Credit/Semester

Prerequisites: None

Fee: None

The Social Media course exposes students to various types of social media and how social media has influenced society. This course will emphasize the forms, functions, regulations, implications, and utilization of social media.

12055 Business Management/Procedures

½ Credit/Semester

Prerequisites: None

Fee: None

Emphasis is placed on the basic functions of management including: forms of business organization, basic managerial styles, management for departments, office procedures and technology, and the legal aspects of the business world. Students will have opportunities to demonstrate their knowledge through application. This is a course for students who have a strong desire to enter the business world and take on a management role.

12054 Business Law

½ Credit/Semester

Prerequisites: None

Fee: None

Business Law emphasizes business and consumer applications within the frameworks of federal, state, and local laws, and introduces the impact of globalization. Distinction is made between civil and criminal law, and the

emerging influence of technology and the Internet. Students will examine the relationship of law and ethics, due process, contract law, court systems, and methods of dispute resolution. Analysis of relevant cases and current issues in the law will be incorporated. This course is a foundation in law for those planning to major in business in college to pursue business careers.

12103 Finance

½ Credit/Semester

Prerequisites: None

Fee: None

This course is designed for students who want to learn about money management and investing. Students will prepare for college and careers in the field through studying and developing personal financial plans, careers in the field of finance, banking systems, how to maintain checking and savings accounts, credit reports, resource and risk management, accounting basics, how to explore the stock market, diversifying your portfolio, learning about the different types of investments, and real estate. Students will use technology to gather, analyze, evaluate, and communicate financial information.

12104 A/B Accounting 1

1 Credit/Year

Prerequisites: None

Fee: None

This is an accelerated course for sophomores, juniors, and seniors in double-entry bookkeeping and accounting theory. Emphasis is on basic principles, concepts, and procedures of accounting and financial records necessary for business today. Business simulation sets are provided to give practical training in various types of businesses. This course can also help students determine their aptitude and interest in accounting as a career.

12051 Introductory to Business

½ Credit/Semester

Prerequisites: None

Fee: None

Introductory Business course survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system, small businesses, and corporate organizations. Introductory Business courses may also expose students to the varied opportunities in administration, accounting, management, and related fields.

12164 Marketing

½ Credit/Semester

Prerequisites: None

Fee: None

Emphasis is placed on the basic functions of marketing and including: product, price, place, and promotion, channels of distribution; marketing research; legal and social aspects of marketing; the global marketplace. Students will have numerous opportunities to demonstrate their knowledge through application. Students enrolling in this class must be self-disciplined. This is a course for the motivated, creative business student who wants an edge in the study of business.

12053 Entrepreneurship

½ Credit/Semester

Prerequisites: None

Fee: None

A course designed to give a realistic approach to what it really takes to start a business. Covered units will include developing a business plan, family and home-based businesses, sideline ventures, ethics and financing. This course will help those students who have an interest not only in starting their own business, but who have an interest in management.

12052 Business Leadership and Management

½ Credit/Semester

Prerequisites: None

Fee: None

Leadership and Management is a course designed to help students develop their personal power. This course will explore areas of leadership, management, social power dynamics, influence, intrapersonal and interpersonal awareness, and ethical issues facing leaders today. Students will develop their ability to work with and lead others, while making effective contributions to an organization. Students are highly encouraged to be a member of FBLA.

11152 Desktop Publishing

½ Credit/Semester

Prerequisites: Computer Applications

Fee: None

Students will develop expertise in creating professional-looking projects. Students will utilize Adobe CS6 and Microsoft Publisher while perfecting their Microsoft Office skills. This course will also use digital cameras and scanner to enhance projects.

COMMUNICATIONS 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 | Yearbook |
| Junior | English III or English III Survey (Students will be placed by administrative/instructor recommendation.) | Speech Yearbook |
| Senior | May chose from one of the following required courses: English IV(1.0 Credits) *Composition I(.5) and/*Composition II (.5) College Composition & Reading(.5)/*Composition I (.5) Creative Writing (.5) Speech (.5) Work Keys English (students will be placed by administrative/instructor recommendation) | |

| | |
|--|---------------|
| | Yearbook (.5) |
|--|---------------|

Yearbook Three consecutive years of Yearbook Staff (10th-12th) may count as ½ an English credit; the semesters leading up to the spring semester of the 12th grade year will count only as General credit electives. **HOWEVER, STUDENTS WHO DEMONSTRATE GRADE LEVEL COMPETENCIES AT THE END OF THE JUNIOR YEAR MAY REQUEST THE ½ ENGLISH CREDIT FOR GRADUATION BE GIVEN UPON COMPLETION OF THE THIRD (SENIOR) YEAR.**

*Students will be placed in **Pre-English I, English III** Survey, and Work Keys English 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.

* Individual semesters of **Yearbook** Staff will count ONLY as General credit electives.

01009A/B Pre-English I

1 Credit/Year

Prerequisites: *Administrative/Instructor Placement

Fee: None

The Pre-English curriculum includes the study of basic grammar, vocabulary, constructed response, and reading comprehensions 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. 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/Year

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/Year

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 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/Year

Prerequisites: English I, English II

Fee: None

This course offers a study of our literary tradition from the Puritans to 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.

S01003A/B English III Survey

Prerequisites: Administrative/Instructor Placement

Fee: None

English III is a course designed for junior/senior students whose plans are indefinite or for the student who is vocationally orientated. Students will study American Literature, modern novels, poetry, drama and short stories. Class activities will include discussions, and related audio-visual materials. Students will be expected to use writing techniques to complete selected writing assignments.

01004A/B English IV

1/2 credit/Semester or 1 Credit/Year

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 which will complement the composition, grammar, and vocabulary units.

01104 Creative Writing

½ Credit/Semester

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

Fee: None

Creative Writing is open to **seniors**. Students who enroll in Creative Writing should enjoy writing, since they will be writing 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 as well. Studying grammar and usage are not primary functions; however, students must illustrate basic competencies of mechanics and conventions; it will be acceptable to implement creativity and originality in written expression and form. Students will study the genres of prose (fiction and non-fiction), 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.

Y11104 A/B Yearbook Staff

1 Credit/Year

Prerequisites: English I; grade-level proficient

Fee: \$13

This course is open to **sophomore, juniors and seniors with the prior approval of the instructor**. In order to be in the Yearbook class, 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. It is necessary for students to devote out-of-**

class time for computer desktop publishing, page layout, advertising, and book sales, interviews, and photography in striving for a professional journalistic publication.

***STUDENTS WHO DEMONSTRATE GRADE LEVEL COMPETENCIES AT THE END OF THE JUNIOR YEAR MAY REQUEST THE ½ ENGLISH GRADUATION CREDIT BE GIVEN UPON COMPLETION OF THE THIRD (SENIOR) YEAR.**

01156A/B WorkKeys English

1 Credit/Year

Prerequisite: None

Fee: None

This course is designed to teach and practice the skills associated with reading and understand documents in the typical workplace, as outlined by ACTs WorkKeys system. As such, the overall course objectives are to (1) Introduce the WorkKeys system, Graphic Literacy and Workplace Documents; (2) Improve students' graphic literacy skills by building the ability to find, analyze and apply information presented in workplace graphics such as diagrams, floor plans, tables, forms, graphs, and charts; (3) Improve students' ability to understand workplace documents and apply written information presented in the workplace such as memos, bulletins, policy manuals, and governmental regulations. The ACT WorkKeys Graphic Literacy and Workplace Documents assessments will be given at the end of second semester. Completion of this course and scoring at the Bronze level on both assessments can be used to meet the readiness benchmark in the area of English needed for graduation.

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.

01151 Speech & Rhetoric

½ Credit/Semester

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

Fee: None

Speech is an elective semester course. It may be taken 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 the 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.

ENG 121A/B Composition I

½ Credit/Semester SHS and 3 Credits NJC

Prerequisites: Completion of ENG 090 (grade C or better) or ACT 18 in English and completion of REA 90 (grade C or better) or ACT 17 in Reading OR Accuplacer score of 95 or higher in Sentence Structure and Accuplacer score of 80 in Reading. **State Guarantee Transfer Course**

Fee: Determined and billed by NJC

This course is a **junior/senior course** offered as a Concurrent Enrollment course through NJC. This course emphasizes the planning, writing, and revising of compositions, including the development of critical and logical thinking skills. This course includes a minimum of five compositions that stress analytical, evaluative, and persuasive/argumentative writing.

ENG 122A/B Composition II

½ Credit/Semester SHS and 3 Credits NJC

Prerequisites: Successful completion of ENG 121 (grade C or better) **State Guarantee Transfer Course**

Fee: Determined and billed by NJC

This course is a **junior/senior course** offered as a Concurrent Enrollment course through NJC. This course expands and refines the objectives of English Composition I. This course emphasizes critical/logical thinking and reading, problem definition, research strategies, and writing analytical, evaluative, and/or persuasive papers that incorporate research.

CCR 92 College Composition and Reading

½ Credit/Sem (SHS)

Prerequisites: Accuplacer scores of 62+ in Reading and Comprehension

Fee: Determined and billed by NJC

Integrates and contextualizes college level reading and writing. Students will read and understand complex materials and respond to ideas and information through writing informative and/or persuasive texts. Prerequisites: Reading Comprehension Accuplacer score of 40-61 and Sentence Skills score of 50-69.

***THIS IS A REMEDIATION COURSE TAKEN ON-CAMPUS AT NJC. ALTHOUGH IT IS CLASSIFIED AS A CONCURRENT ENROLLMENT COURSE, IT IS NON-TRANSFERABLE COLLEGE CREDIT INTENDED ONLY TO PREPARE STUDENTS FOR SUCCESS IN COMPOSITION I/ENG 121**

WORLD LANGUAGES DEPARTMENT

24052 A/B Spanish YRI

1 Credit/YR

Prerequisites: None

Fee: \$15(headset/microphone)

This 9th-12th grade class teaches listening, speaking, reading; vocabulary and writing skills at the beginning level. This language lessons focus on fundamental, 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. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment. Reinforces grammar, and increases vocabulary.

24053 A/B Spanish YRII

1 Credit/YR

Prerequisites: Spanish YRI

Fee: \$15(headset/microphone)

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 in Spanish. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on Spanish culture, literature, history, and geography. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment.

25054 A/B Spanish YRIII

1 Credit/YR

Prerequisites: Spanish YRII

Fee: \$15(headset/microphone)

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 in Spanish. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on Spanish culture, literature, history, and geography. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment.

24055 A/B Spanish YRIV

1 Credit/YR

Prerequisites: Spanish YRIII

Fee: \$15(headset/microphone)

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 in Spanish. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on Spanish culture, literature, history, and geography. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment.

024102 A/B French YRI

1 Credit/YR

Prerequisites: None

Fee: \$15(headset/microphone)

This 9th- 12th grade class teaches listening, speaking, reading; vocabulary and writing skills at the beginning level. This language lessons focus on fundamental, 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. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment. Reinforces grammar, and increases vocabulary.

24103 A/B French YRII

1 Credit/YR

Prerequisites: French YRI

Fee: \$15(headset/microphone)

Students should have a command of the writing, reading, and conversational skills taught in French 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 in French. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on French culture, literature, history, and geography. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment.

24104 A/B French YRIII

1 Credit/YR

Prerequisites: French YRII

Fee: \$15(headset/microphone)

Students should have a command of the writing, reading, and conversational skills taught in French 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 in French. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on French culture, literature, history, and geography. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment.

24105 A/B French YRIV

1 Credit/YR

Prerequisites: French YRIII

Fee: \$15(headset/microphone)

Students should have a command of the writing, reading, and conversational skills taught in French 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 in French. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on French culture, literature, history, and geography. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment.

24105 A/B German YRI

1 Credit/YR

Prerequisites: None

Fee: \$15 (headset/microphone)

This 9th-12th grade class teaches listening, speaking, reading; vocabulary and writing skills at the beginning level. This language lessons focus on Fundamental, 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. This class is in a self -paced environment which focuses on fundamentals. This class does have due dates for every assignment. Reinforces grammar, and increases vocabulary.

24252 A/B German YRII

1 Credit/YR

Prerequisites: German YRI

Fee: \$15 (headset/microphone)

Students should have a command of the writing, reading, and conversational skills taught in German 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 in French. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on German culture, literature, history, and geography. This class is in a self -paced environment which focuses on fundamentals. This class does have due dates for every assignment.

24253 A/B German YRIII

1 Credit/YR

Prerequisites: German YRII

Fee: \$15 (headset/microphone)

Students should have a command of the writing, reading, and conversational skills taught in German 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 in French. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on German culture, literature, history, and geography. This class is in a self -paced environment which focuses on fundamentals. This class does have due dates for every assignment.

24255 A/B German YRIV

1 Credit/YR

Prerequisites: German YRIII

Fee: \$15 (headset/microphone)

Students should have a command of the writing, reading, and conversational skills taught in German III and a desire to advance their knowledge and improve their ability in these skills using Rosetta Stone Curriculum. This course offers an opportunity for the students to advance their ability to read, write, speak, and comprehend in French. In addition to the dialogue, reading selections, and conversations, current periodicals and some literature is presented to build these skills. There is continued emphasis on German culture, literature, history, and geography. This class is in a self-paced environment which focuses on fundamentals. This class does have due dates for every assignment.

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.

Intro to Agriculture (1 Year)

- Animal Sciences (1 Semester)
- Plant Sciences (1 Semester)

- Advanced Vet Science
- Food Processing and Safety
- Greenhouse Production (1 Semester each)

- Animal Systems CE (1 Semester each)

Agricultural Sales and Marketing (1 Semester)

Principles of Agriculture Business (1 Semester)

- Ag Econ CE (1 Semester each)

• Classes that have to be taken the same year

- Principles of Power Structural and Technical Systems (1 Semester)
- Plumbing and Electrical Technology (1 Semester)

Advanced Welding (1 Semester)

Project Construction (1 semester)

18001 A/B Introduction to Agriculture

1 Credit/Year

Prerequisites: None

Fee: \$40

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.

Business Pathway

18201 Principles of Ag Business

1/2 Credit/Semester

Prerequisites: Intro to Ag. Science

Fee: \$20

In this course student will be comparing and contrasting business models and identifying the advantages and disadvantages to owners and customers within the agribusiness chains. Students will show an understanding of basic recordkeeping 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.

18203 Agriculture Sales and Marketing

1/2 Credit/ Semester

Prerequisites: Intro to Ag Science

Fee: \$20

The selling and marketing of real-life agriculture products will be the focus of the class. The student will learn step-by-step sales techniques, stage presence, self-evaluation of voice, habits, abilities in sales, and understanding of sales careers. In marketing of the products; topics covered include market research, trade, competition and pricing in relation to the development of a marketing plan for commodities or other agricultural products or services. Students will continue progress in FFA Leadership skills as well as strengthening their Supervised Agricultural Experience.

AGE 102 Agricultural Economics CE

1/2 Credit/Semester

Prerequisites: Intro to Ag Sci. & Tech. and all Ag Business classes

Fee: Students will be responsible for any NJC fees associated with this course

An introductory hybrid course for 11th and 12th grade students in the study of basic economic principles and their application to agriculture and agri-business. Topics include supply and demand theory, optimal use of resources, market structure and competition, agricultural policy, foreign trade, marketing and finance. This hybrid class will be for Ag credit and NJC credit. All students enrolled in this course will be members of the Sterling FFA Chapter. This is a semester course.

Ag Science Pathway

Animal and Plant Science need to be taken together in the same year. Animal and Plant Science, taken together, do fulfill the life science requirement. Animal and Plant Science do not meet the pre-requisites for Anatomy & Physiology or the NCAA Eligibility Center Requirements.

18101 Animal Science**½ Credit/Semester****Prerequisites:** Intro to Ag. Sci**Fee:** \$40

Students will develop knowledge, skill and understanding in the biological processes and physiological systems found in livestock and companion animal species including digestive systems, reproductive systems, breeding systems, quality and yield grading, retail cut id and animal health. 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. This class can be taken with plant science for a life science credit.

18051 Plant Science**½ Credit/Semester****Prerequisites:** Intro to Ag Sci. & Tech**Fee:** \$25

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. This class can be taken with animal science for a life science credit.

18305 Food Processing & Safety**1/2 Credit/ Semester****Prerequisites:** Intro to Ag. Sci. and Plant or Animal Science**Fee:** \$40

Food Products and Processing focuses on the food processing industry with special emphasis on the handling, processing and marketing of food products. In addition, understand procedures that ensure safety, sanitation and quality of food products. Students will develop knowledge and skills regarding career opportunities, entry requirements and industry expectations.

18105 Advanced Vet Science**½ Credit/ Semester****Prerequisites:** Intro to Ag. Sci. and Animal Science**Fee:** \$40

Students will focus on advanced animal behavior and handling, positioning and restraint for surgical procedures, pharmacology, Asepsis, hospital and surgical procedures, antibiotics and antibiotic resistance, laboratory testing and procedures as well as veterinary technologies. Current animal agricultural 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.

18052 Greenhouse Production

½ Credit/ Semester

Prerequisites: Intro to Ag. Sci. & Tech and Plant Sci

Fees: \$25

This advanced course offers instruction in greenhouse production. Units of study include plant identification, greenhouse management, integrated pest management, propagation, growing media, growing greenhouse crops, horticulture mechanics, Agribusiness units will cover operating a horticultural business, pricing work, advertising, and sales. 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.

ASC 100 Animal Science CE

½ Credit/Semester

Prerequisites: Intro to Ag Sci. & Tech.

Fee: Students will be responsible for any NJC fees associated with this course.

This is an introductory hybrid course for students completing one or more courses in the study of animal science. Topics include cellular function, anatomy and physiology, and more. This course will provide a base of knowledge for upper level university courses in the animal science field. This hybrid class will be for Ag credit and NJC credit. All students enrolled in this course will be members of the Sterling FFA Chapter. This is a semester long course.

Power Structural and Technical Systems Pathway

Principles of Power, Structural and Technical Systems should be taken together in the same year.

18401 Principles of Power, Structural and Technical Systems

½ Credit/ Semester

Prerequisites: Intro to Ag. Science

Fee: \$25

An introductory course educating students to 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.

18405 Plumbing and Electrical Technology

½ Credit/ Semester

Prerequisites: Intro to Ag Sci.

Fee: \$25

Students will acquire knowledge and basic skills in electrical and plumbing technologies including how to identify and use power and hand tools; how to be safe on the jobsite and when using hand and power tools. Plumbing skills will include how to identify, fit, and use industry relevant plumbing pipe materials such as copper, PVC, poly, etc. Plumbing system design and troubleshooting will also be addressed. In addition, students will be introduced to gas, drainage, and water supply systems and continue their knowledge of workplace basics and green technologies. Skills in the electrical area include electrical theory, tool identification and use, electrical codes, installation of electrical equipment, and the reading of electrical drawings, schematics, and specifications.

18404 Advanced Welding Technology

½ Credit /Semester

Prerequisites: Intro to Ag. Sci. and Principles of PSTS

Fee: \$25

Advanced Welding Technology is an advanced course educating students in the advanced skills and knowledge in metal fabrication. Students will build on the skills and competencies presented in prerequisite courses. Students will learn cutting and welding applications of increasing complexity used in the manufacturing/metal fabrication industry. Students will be proficient in fundamental safety practices in welding, general industry-based metal fabrication skills, multiple welding processes, project management, quality control methods and further advanced welding/metal fabrication technology and processes.

18449 Structure Design and Fabrication

½ Credit/Semester

Prerequisites: Intro. and Power Structural and Technical Systems and Advanced Welding

Fee: \$40

Students will gain knowledge and skills needed to enter the workforce or to prepare for a postsecondary degree in construction management, architecture, or engineering. Students will acquire knowledge and skills in safety, reading/creating construction drawings, tool ID and usage, building material ID and usage, building codes, and framing.

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 leads 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 measurement. Students learn that geometry and measurement are useful in representing and solving problems in the real world as well as in mathematics.

“As students plan and ask questions about future math classes, the Math department has set guidelines for students “doubling-up” in math classes. Please send any such inquiries to the Math Department Chair to receive accurate information as there are more than 6 options or class pathways to take to reach or exceed College Algebra their 12th grade year.”

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.

02151 A/B WorkKeys MATH

1 Credit/Year

Prerequisites: Teacher Recommendation

Fee: \$3

This course is designed to measure the skill people use when they apply mathematical reasoning, critical thinking, and problem-solving techniques to work-related problems, as outlined by the ACT WorkKeys system. As such, the overall course objectives are to (1) Introduce the WorkKeys system and Applied Mathematics,(2) Improve students' math comprehension and problem-solving skills by teaching them techniques needed and providing opportunities to practice these skills; (3) Provide students' practice in answering questions similar to those on the WorkKeys Applied Mathematics test. The ACT WorkKeys Applied Mathematics assessment will be given at the end of second semester. Completion of this course and scoring at the Bronze level on this assessment can be used to meet the readiness benchmark in the area of Mathematics needed for graduation.

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

02051 A/B Pre-Algebra

1 Credit/Year

Prerequisites: Teacher Recommendation

Fee:\$3

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/Year

Prerequisites: None

Fee: \$3

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/Year

Prerequisites: Algebra I

Fee: \$3

The geometry course emphasizes an abstract, formal approach to the study of geometry. Topics include properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion, and rules of angle measurements in triangles.

02056A/B Algebra II

1 Credit/Year

Prerequisites: Geometry, or as a “Double-up” which requires a NWEA Scores of 245+ and a Math Dept. Recommendation

Fee: \$3

Algebra II course topics include field properties and theorems; 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 Semester)

Prerequisites: Algebra II

Fee: \$3

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 Semester)

Prerequisites: Pre-Calculus (Elementary Functions)

Fee: \$3

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.

02138 A/B Quantitative/Algebraic Literacy (College Mathematics Preparation)

1 Credit/YR

Prerequisite: Algebra 2

These are senior level math classes. These courses solidify quantitative literacy through the use and extension of algebraic, geometric, and statistical concepts. These courses prepare students for postsecondary liberal studies mathematics coursework. Course content typically includes algebraic operations, solutions of equations and inequalities, number sets, coordinate geometry, functions and graphs, probability and statistics, and data representation.

MAT201A/B Calculus 1

½ Credit/Semester SHS and 5 Credits NJC

Prerequisites: College Algebra AND Trigonometry or equivalent or ACT 28

Fee: Determined and billed by NJC

This course is a **senior course** offered as a Concurrent Enrollment course through NJC. This course introduces single variable calculus and analytic geometry. This course includes limits, continuity, derivatives, and applications of derivatives as well as indefinite and definite integrals and some applications. **State Guarantee Transfer Course**

MAT202A/B Calculus II

½ Credit/Semester SHS and 5 Credits NJC

Prerequisites: MAT 201 or permission of instructor

Fee: Determined and billed by NJC

This course is a **senior course** offered as a Concurrent Enrollment course through NJC. This course is a continuation of single variable calculus which will include techniques of integration, polar coordinates, analytic geometry, improper integrals, and infinite series. **State Guarantee Transfer Course**

MAT125 Survey of Calculus

½ Credit/Semster SHS and 4 Credits NJC

Prerequisites: MAT 121 College Algebra or permission of Instructor.

Fee: Determined and billed by NJC

This is an accelerated math course that provides a sound, intuitive understanding of the basic concepts students need as they pursue careers in business, economics, and the life and social sciences. Courses of study include functions, graphs, limits, differentiation, applications of the derivative, exponential and logarithmic functions, and integration. It is usually a required course for students going into business or agriculture and also is a great stepping stone for students interested in Calculus 1. **State Guarantee Transfer Course**

MAT121A/B College Algebra

½ Credit/Semester SHS and 4 Credits NJC

Prerequisites: Successful completion of MAT 055 or ACT Math 23/SAT Math 590.

Fee: Determined and billed by NJC

This course is a junior/senior course offered as a Concurrent Enrollment course through NJC. This course includes a brief review of intermediate algebra, equations, and inequalities, functions, linear and non-linear systems, selection of topics from among graphing of the conic sections, introduction to sequences and series, permutations and combinations, the binomial theorem and theory of equations. **State Guarantee Transfer Course**

MAT135 Intro to Statistics

½Credit/Semester SHS and 3 Credits NJC

Prerequisites: ACT Score of at least 19/SAT Math 500, Accuplacer score in Quantitative Reasoning, Algebra & Statistics of at least 240 or successfully complete MAT 050 with a C or better.

Fee: Determined and billed by NJC

The purpose of this course is to introduce the students to techniques and tools of statistical analysis including the use of calculators, computer software and tables. The course includes data presentation and summarization, probability concepts and distributions, statistical inference-estimation, hypothesis testing, comparison of population, chi-square, and ANOVA correlation and regression. **State Guarantee Transfer Course**

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.

| <u>Required Courses by Year</u> | <u>Elective Courses by Year</u> |
|---|---|
| <p>Freshman: <u>Social Studies</u>: 1 semester</p> | <p>Freshman (9th Grade): *<u>None</u></p> |
| <p>Sophomore: World History/Geography: 1 year</p> | <p>Sophomore(10th Grade): *<u>None</u></p> |
| <p>Junior: <u>United States History</u>: 1 year</p> | <p>Junior: (11th Grade): *Honors/Concurrent Enrollment U.S. History: 1 year (For college bound students only in place of United States History) * <u>Psychology I</u>: Semester 1 *<u>Psychology II</u>: Semester 2 *<u>Economics</u>: 1 Semester</p> |
| <p>Senior: <u>United States Government</u>: 1 year</p> | <p>Senior: (12th Grade): *<u>Psychology I</u>: Semester 1 *<u>Psychology II</u>: Semester 2 *<u>Economics</u>: Semester 1 * <u>Honors/ Concurrent Enrollment U.S. Government</u>: 1 Year (For college bound students only in place of U.S. Government) *<u>Honors/ Concurrent Enrollment U.S. History</u>: 1 Year (For college bound students only in addition to 11th grade U.S. History)</p> |

***Elective courses in the area of social studies are highly recommended for students who are anticipating attending college. Concurrent Enrollment courses offer students the possibility of receiving college equivalent credit with successful completion and proficiency of "C" or above.**

04103 A/B American History

1 Credit/Year

Prerequisites: None

Fee: None

This course is required for graduation from Sterling High School. The primary focus of this class will be on the period of U.S. History from the 1870's 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 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.

04061 A/B World History/Geography

1 Credit/Year

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.

04151A/B American Government

1 Credit/Year

Prerequisites: None

Fee: None

A senior required course which develops an understanding of our system of local, state and national governments. It is concerned with giving students an understanding of government and political institutions.

04201 Economics

½ Credit/Semester

Prerequisites: None

Fee: None

Economics at Sterling High School is open to both juniors and seniors and is recommended but not required for students who are college bound. The course is designed to provide students with an overview of economics with a

primary emphasis on the principles of microeconomics and the U.S. economic system. Students may also be introduced to topics such as principles of macroeconomics, international economics, and comparative economics.

04254A Psychology I

½ Credit/Semester

Prerequisite: None

Fee: None

A junior/senior course designed to introduce high school students to the study of behavior and mental processes. This course is recommended but not required for students who are college bound. Its primary purpose is to help students better understand their own behavior, and that of others, so that they are better able to cope with life situations. Topics will include but not be limited to Foundations of Psychology; Biological Psychology; Developmental Psychology; as well as Motivation and Emotion. This course is a prerequisite (required) course in order for students to take either Psychology II or Concurrent Enrollment Psychology through NJC.

04254B Psychology II

½ Credit/Semester

Prerequisite: Psychology I

Fee: None

This course is a continuation of Psychology I for junior/senior students. Its primary purpose is to help students better understand their own behavior, and that of others, so that they are better able to cope with life situations. Topics will include but not be limited to Learning, Memory, Thinking Skills, and Intelligence as well as Abnormal and Social Psychology. This course is recommended but not required for students who are college bound.

04305 Social Studies

½ Credit/Sem.

Prerequisites: None

Fee: None

Integrated Social Studies course enables students to study a group of related subjects addressing the elements and structures of human society that may include economics, geography, history, citizenship, and other social studies related disciplines.

04104A/B Honors/Concurrent Enrollment United States History

1 Credit/Year

Prerequisite: of 3.3 GPA or higher or Reading Comprehension Accuplacer score of 80+ and instructor approval.

Fee: Determined and billed by NJC

(May be taken as Concurrent Enrollment U.S. History 121 & 122)

Honors United States History at Sterling High School is a full year intensive and accelerated course which explores events, trends, peoples, groups, cultures, ideas, and institutions in North America and United States history, including the multiple perspectives of gender, class, and ethnicity. First semester covers the time between the period when Native American Indians were the sole inhabitants of North America and the American Civil War. Second semester focuses on the time period from the Civil War to the present. Both semesters focus on developing, practicing, and strengthening the skills historians use while constructing knowledge in the discipline.

NOTE: This course may be offered as either Honors or Concurrent Enrollment. Students have the option to take either or both semesters of this course for college credit through Northeastern Junior College. Successful completion of each semester with a C grade or higher can earn students 3 units of credit from Northeastern Junior College

04157 A/B Honors/Concurrent Enrollment American Government

1 Credit/Year

Prerequisite of 3.3 GPA or higher or Reading Comprehension Accuplacer score of 80+ and instructor approval

Fee: Determined and billed by NJC

American Government/Intro to Political Science is a year-long course offered to fulfill the American Government requirement for graduation and also to receive college credit upon passing the course. It is assumed you have an interest in political science. You may have future aspirations in politics, government, law enforcement, journalism or you simply wish to know more about the working of our governmental system. If this is the case, you will find this to be a valuable course at year's end. Sterling High School and Northeastern Junior College are committed to the philosophy that all students deserve an opportunity to participate in rigorous and academically challenging courses and programs. Note: This course may be offered as either Honors, Advanced Placement, or Concurrent Enrollment. Students have the option to take either or both semesters of this course for college credit through Northeastern Junior College. Successful completion of each semester with a C grade or higher can earn students 3 credits through NJC.

PHYSICAL EDUCATION DEPARTMENT

08009 A/B Weight Training and Conditioning

½ Credit/Semester

Prerequisite: Pass 2 semesters of classroom PE

Fee: None

This course is for 10th-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.

08001A/B Physical Education

½ Credit/Sem. or 1 Credit/YR

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 Senior 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 Foundations of Technology I

½ Credit/Sem.

Prerequisites: None

Fee: \$20

Foundations of Technology I is an entry level course that prepares students with knowledge and skills relating to multiple industrial technology. These technologies include learning about the design cycle, alternative energy, CAD landscape, structural engineering, and transportation.

21001B Foundations of Technology II

½ Credit/Sem.

Prerequisites: Foundations of Technology I

Fee: \$20

Foundations of Technology II is an extension of Foundations of Technology I. In this course students will continue learning the knowledge and skills relating to multiple industrial technologies. These technologies include aerospace, aviation, CAD, digital photographs, digital video and graphic design. Students must take this class to take Technology II.

21003A/B Technology II

1 Credit/Year

Prerequisites: Foundations of Technology I, Foundations of Technology II

Fee: \$40

Technology II is a more in depth study of all the basic concepts learned in Foundation of Technology I and Foundations of Technology II. Students will have opportunities to learn more basic concepts in the following areas: aerospace, aviation, CAD, CNC, structural engineering, and transportation. Students will also be introduced to computer science which includes computer coding and computer programming.

21007A/B Technology III

1 Credit/Year

Prerequisites: Foundations of Tech I, Foundations of Tech II, and Tech II

Fee: \$40

Technology III is an opportunity for students to go from basic to advanced concepts learned in Foundations of Technology I, Foundations of Technology II, and Technology II. Students will have opportunities to learn advanced concepts in the following areas: aerospace, alternative energy, CAD, CNC, structural engineering, and transportation. Students will also be allowed to do more advanced computer science projects which include computer coding and computer programming and robotics.

11099A Video Game Design I

½ Credit/Sem.

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. Student will learn all the basic concepts on building and designing a game such as scene design, basic animation, collision theory, and logic theory.

11099B Video Game Design II

½ Credit/Sem.

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 advance concepts in animation, collision theory, and logic theory. Students will design and build their own game.

11055A/B Digital Video Production I

1 Credit/ Year

Prerequisites: Foundations of Art I and Foundations of Tech II

Fee: \$20

Digital Video Production is an introductory course about basic applications of digital video equipment, techniques, and processes. Students will make many short films learning to use and master the following video concepts, video communication, video space, video time, video composition, video language, video sound, and video development.

11055B/C Digital Video Production II

1 Credit/Full Year

Prerequisites: Foundations of Art I and Foundations of *Tech II, and Digital Video Production I*

Fee: \$40

Digital Video Production is an advanced course about advanced applications of digital video equipment, techniques, and processes. The course will cover all the major video topics such as: production process, video

composition, program development, editing operation of video camera systems, lighting equipment and technique, audio equipment and recording, directing, editing principles, and digital software. Students will be required to make short and long films in which they will demonstrate mastering advance video concepts.

11097A/B Digital Video Production Capstone

½ Credit/Semester

Prerequisites: Foundations of Art, Foundations of Technology II, Video/Film Production, Video Film Production II

Fee: \$20

This course is for seniors only and must have instructor's approval. This course is designed for SHS students who want to develop their own personal Digital Video projects. Students must be highly self-motivated and show concern for the quality of their work. Concentration will be on the development of the students' interest in digital video. An exhibition of student work is required. Career exploration and digital video history will be covered. **Course may be repeated for credit.**

11099C/D Digital Video Game Junior/Senior Capstone

½ Credit/Sem.

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

Fee: \$20

This course is for seniors only and must have instructor's approval. This course is designed for SHS students who want to develop their own personal digital video game projects. Students must be highly self-motivated and show concern for the quality of their work. Concentration will be on the development of the students' interest in video game design. An exhibition of student work is required. Career explanation and video game design history will be covered. **Course may be repeated for credit.**

21097A/B Senior STEM Capstone

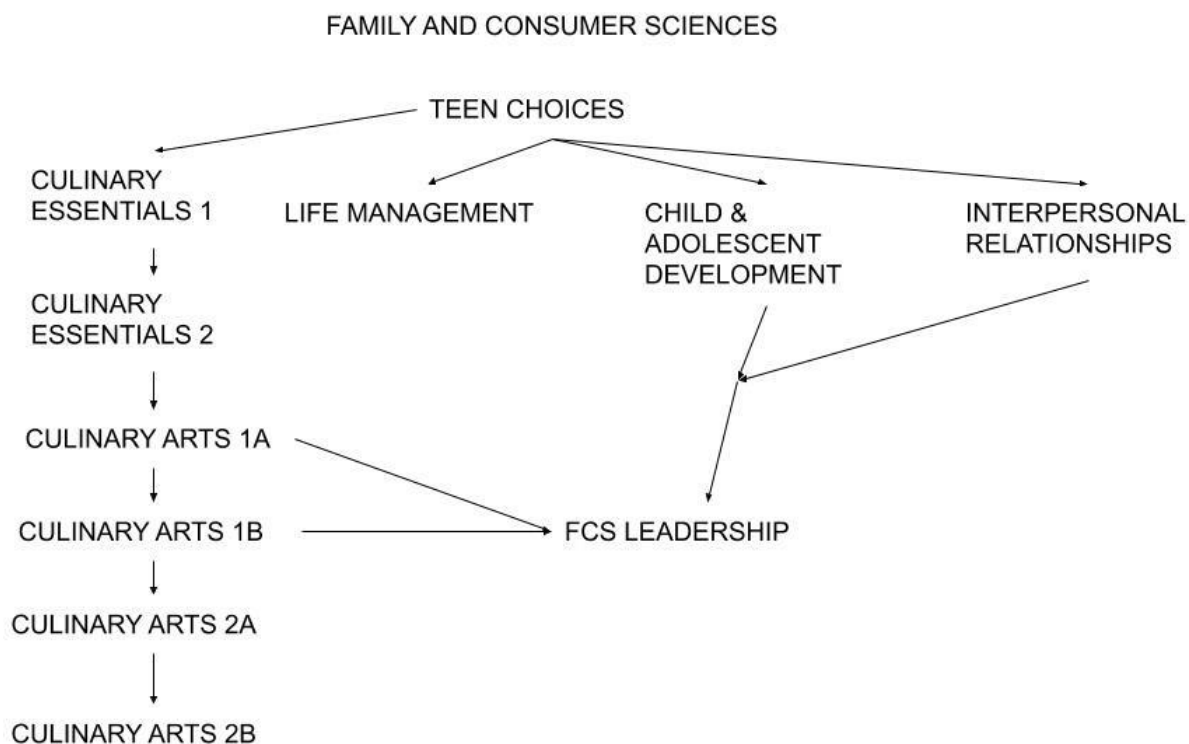
½ Credit/Sem.

Prerequisites: Foundations of Tech I, Foundations of Tech/Tech II/Tech III

Fee: \$20

This course is for seniors only and must also have instructor's approval. This course is designed for SHS students who want to develop their own personal technology projects to the following areas: aerospace, alternative energy, aviation, biotechnology, CAD, animation, CSC, landscape, structural engineering, and transportation, computer science which includes computer coding and computer programming and robotics. Students must be highly self-motivated and show concern for the quality of their work. Concentration will be on the development of the student interest in technology. An exhibition of student work is required. Career exploration and technology history will be covered. **Course may be repeated for credit.**

FAMILY AND CONSUMER SCIENCES
(POS Hospitality & Food Production)



19258 Teen Choices

½ Credit/Sem.

Prerequisites: None

Fee: None

This semester 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 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.

19257 Life Management

½ Credit/Semester

Prerequisites: Teen Choices

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 10th-12th graders.

19255 Child & Adolescent Development

½ Credit/Semester

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 10th-12th graders. 9th graders will be allowed only because of personal circumstances and with teacher and counselor approval.

19260 Interpersonal Relationships

½ Credit/Semester

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 10th-12th graders.

16056A Culinary Essentials 1

½ Credit/Semester

Prerequisites: Teen Choices

Fee: \$30

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.

16056B Culinary Essentials 2

½ Credit/Semester

Prerequisites: Culinary Essentials 1, Instructor approval

Fee: \$30

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 nutritional value of various types of meats. Select herbs and spices to enhance 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.

16051A Culinary Arts 1A

½ Credit/Semester

Prerequisites: Culinary Essentials 2, Instructor approval

Fee: \$30

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.

16051B Culinary Arts 1B

½ Credit/Semester

Prerequisites: Culinary Arts 1A, Instructor approval

Fee: \$30

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.

16052A Culinary Arts 2A

½ Credit/Semester

Prerequisites: Culinary Arts 1B, Instructor Approval

Fee: \$30

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.

16052B Culinary Arts 2B

½ Credit/Semester

Prerequisites: Culinary Arts 2A

Fee: \$30

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/Semester

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/Semester

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 studies of science: Earth, Life and Physical

Earth

Life

Physical

Freshman year: **Earth Science**

Per ICAP plan, students planning to enter the science field or who are preparing for college will enter the following academic route.

Sophomore year: students will take one of the following courses. Advanced science students desiring to emphasize science in their high school plan may take two of these courses concurrently but should understand the math necessary for Chemistry and Algebra based Physics should be taken prior to taking these classes.. The typical suggestion would be to take Biology sophomore year but are given the freedom to choose.

Biology **Chemistry** **Algebra based Physics**

Junior year: students will take one of the following courses they have not yet completed. Advanced science students desiring to emphasize science in their high school plan may take two of these courses concurrently. Students may also take science electives.

Biology **Chemistry** **Algebra based Physics**

Senior year: Any student who has not taken an Earth, Life and Physical science will fulfill the deficiency. Students desiring to enter the science field will be encouraged to take a 4th science class.

Per ICAP plan, students who do not plan on entering the science field, who do not plan to attend college or whose test scores indicate a remedial need.

Sophomore year: students will take one of the following courses.

Biology Essentials **Agricultural Sciences** **Physical Science**

Junior: students will take one of the following courses they have not yet completed.

Biology Essentials **Agricultural Sciences** **Physical Science**

Senior year: Any student who has not taken an Earth, Life and Physical science will fulfill the deficiency. Students who have fulfilled all three credits on this path are free to take any science class as their ICAP plan dictates.

Examples

Student A plans to go into nursing and has a general interest in science.

Freshman year: Earth Science

Sophomore year: Biology Junior year:

Chemistry

Senior year: Anatomy and physiology

Student B is unsure of what field of study he desires to go into but career pathways indicate a science related field would be a good fit. During his Junior year Student B becomes interested in engineering.

Freshman year: Earth Science

Sophomore year: Biology

Junior year: Chemistry

Senior year: Algebra based physics

Student C struggles with science and/or is unsure what field of study she desires to go into but due to her struggles is uninterested in science. However, her Junior year has an experience and decides she wants to go into the medical field.

Freshman year: Earth Science

Sophomore year: Biology Essentials

Junior year: Physical Science

Senior year: Biology and Anatomy and Physiology (upon instructor approval per ICAP)

Student D is interested in Agricultural Science and would like to pursue a degree at a four year college after high school.

Freshman year: Earth Science

Sophomore year: Agricultural Sciences

Junior year: Physical Science

Senior year: Biology

Sophomores through Seniors may take multiple science courses in the same year with instructor approval.

1 FULL YEAR OF MED PREP MAY BE COUNTED AS 1 CREDIT OF SCIENCE. However students will still need to satisfy the requirement of one credit from each area: Earth, Life and Physical Science.

08051 Health

½ Credit/Sem.

Prerequisites: None

Fee: None

A required Sophomore class. The purpose of health education is to assist in the optimum developments 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 Advanced Health

½ Credit/Semester

Prerequisite: Successful complete of Health

Fee: \$5.00

This course is designed for Juniors and Seniors. The emphasis in this course is less related to learning facts and more related to providing students with the skills necessary to generate a personal-health profile, access their own health information and services available to promote health and prevent disease, access recreational activities they are interested in, and teach the skills necessary to respond appropriately in emergency situations. Students will study and be certified in CPR, AED use, and First Aid. In order to receive the certification card there is a \$25.00 unwaivable fee that must be paid prior to receiving your card. Students can complete the CPR course and opt not to receive the certification. Students will analyze cost, availability, and accessibility of health care services as well researching what to look for when purchasing health, dental, and vision insurance. Students will identify health care facilities at which medical care can be obtained as well as learn about well check-ups, adult immunizations, dental, vision, hearing, and mental health services. Students will identify recreational facilities and recreational opportunities in their community, and analyze cost, availability, and accessibility of recreation opportunities. Students will explore campus health care and recreation opportunities for particular college campuses they are interested in. Students will develop individual fitness and nutrition plans for themselves.

03001A/B Earth Science

1 Credit/Year

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/Year

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, relationship of humans to the living world. This class will include in-depth lab work.

03062A/B Biology Essentials

1 Credit/Year

Prerequisites: Earth Science and Instructor approval

Fee: \$10

This class is open to 10th-12th graders. The class will teach practical application of academic and technical skills that will help students integrate what they learn in the biology classroom to real-life situations. Course work will cover population ecology, matter and energy in an ecosystem, homeostasis, genetics and heredity, and change over time. There will be an emphasis on real-life biology.

03053A/B Human Anatomy & Physiology

1 Credit/Year

Prerequisites: Biology/Instructor approval

Fee: \$30

A study for 10th-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. Five or six weeks are spent dissecting the fetal pig.

03101A/B Chemistry

1 Credit/Year

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/Year

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/Year

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. Student will use algebra and trigonometry in this course. The laboratory work in physics is designed to help the student understand basic principles of physics.

03212A/B Science Research

1 Credit/Year

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.

CAREER AND TECH PROGRAMS

CAREER TECH CLASSES ARE HELD ON THE NJC CAMPUS. STUDENTS ARE RESPONSIBLE FOR THEIR OWN TRANSPORTATION TO THESE CLASSES.

14002A/B HEALTH SCIENCE TECHNOLOGY EDUCATION

2 Credits

1 Full year of Med Prep may count as 1 credit of Science

The HSTE Program allows high school juniors and seniors the chance to explore the health care field as they learn career skills and earn high school credit. The course, which meets for two semesters, is held in the **Northeastern Junior College P.W. Building, Room 215.**

The course provides OJT experience during the second semester. This work experience prepares students for job-entry skills into one of several health occupations after successful completion of the program.

OJT/Clinical Experiences:

Physical Therapy/Rehabilitation Student Aide (both include Sports Medicine) Works with Physical Therapist, Occupational Therapist, Speech Therapist and Trainers as appropriate.

Nurse Assistant Student Aide - Gives basic care to patients/residents. Trains in hospital and nursing homes.

Veterinary Student Aide - Works with veterinarian at veterinary clinics.

Emergency Medical Student Aide - Aids EMT in giving emergency care. Trains at the Emergency Department and Fire Department.

Pharmacy Student Aide - Assist pharmacist in both retail pharmacies and hospital pharmacy.

Radiology Student Aide - Works in Radiology Department at Sterling Regional MedCenter, transports patients, develops x-rays.

Surgical/Anesthesia Student Aide - accompanies anesthesiologists and observes surgical procedures.

Ophthalmology Student Aide - works in ophthalmologist's office and in opticianry lab.

Child Health Student Aide - works at Hagen PreSchool or Sterling Middle School Special Education Dept.

Medical Office Student Aide - works at Sterling Regional MedCenter in the clinic. Observes and assists LPN's and RN's with patient preparation, vital signs, etc.

Nutrition/Food Service Student Aide - works with Registered Dietitians at Sterling Regional MedCenter; patient visits, diet planning, etc.

Respiratory Therapy Student Aide - works with Registered Respiratory Therapist; observes respiratory procedures and assists RRT with patient treatments.

Dental Student Aide – works with various staff in dentist office, observes procedures and assists personnel

Laboratory Student Aide - works with lab personnel. Rotates through each station, observes procedures and

assists personnel.

This course also includes: work experience in the health field with medical professionals and the opportunity to receive college credit for portions of the following classes:

Fall Classes:

HPR 108 Dietary Nutrition – 1 CR

HPR 178 Medical Terminology – 2 CR

HOSA activities:

Community Service Projects Leadership Conferences State Competitive Events National Competitive Events

A certificate is issued to students successfully completing the course.

ATTENDANCE: NO MORE THAN 6 (SIX) DAYS ABSENCE ARE ALLOWED DURING THE FIRST SEMESTER UNLESS APPROVED BY THE INSTRUCTOR.

MEMBERSHIP IN HOSA (Health Occupation Students of America) IS ENCOURAGED

Prerequisites: None

Membership in HOSA (Health Occupation Students of America) is ENCOURAGED

Class/Lab Fee: \$60 HOSA DUES: \$20 Name Pins: \$6.00 Clinical Insurance Fee: \$13

CONFERENCE FEES AS REQUIRED DEPENDENT ON STUDENT PARTICIPATION

20104A/B Auto Maintenance & Inspection Certificate

2 Credits/Sem.

Prerequisites: None

Fee: Determined and billed by NJC

(2 hour block daily/one semester only) High school junior and senior students will be registered in ASE Accredited automotive course work including classroom, and hands on LAB experience performing preventative maintenance inspections, and service of light duty vehicles. The courses will include shop, tool, and equipment safety, engine, powertrain, electrical, steering & suspension, brake, lubrication, and cooling system minimum maintenance service. Students will receive an overview of the transportation repair industry, and explore the many career opportunities in the automotive & transportation industry.

The following courses will be scheduled for 16 weeks during the NJC Fall semester. The courses consist of 6 credit hours of college level classes. (135 contact hours).

- ASE-101 (Auto Shop Orientation – 2 credits)
- ASE-103 (Auto Maintenance I – 2 credits)
- ASE-150 (Manual Drive Train and Axle Maintenance – 2 credit)

This is a Concurrent Enrollment course. This course will meet on Mondays. Seniors will be given preference for enrollment as class size is limited.

SPECIAL PROGRAMS

1913 A/B Departmental Assistant

½ or 1 Credit/ Semester or Year

Prerequisites: None

Fee: None

Juniors who desire to be departmental assistants should be above average in maturity and self-discipline and should have good attendance. **Department Assistants will be assigned to the main office, PE department, or the library. Tasks such as running errands within the building, correcting papers, collating and stapling papers, arranging books on shelves, and so on will be responsibilities of department assistant.** Students will receive a Satisfactory/Unsatisfactory grade, which does not count in student's GPA.

1921A/B Project Help

½ or 1 Credit/ Semester or Year

Prerequisites: None

Fee: None

A student in their **senior** year may be enrolled in a part-time school program known as PROJECT HELP. This program involves assisting the teachers of the elementary and middle schools only. The student will assist teachers in correcting papers, library work, setting up demonstrations, and some actual classroom teaching, should the supervising teacher feel the student to be capable. Students will be evaluated with special emphasis on promptness and attendance. A rating of less than average may result in removal from PROJECT HELP. Students will receive a grade of satisfactory or unsatisfactory which does not count in the GPA. Enrollment in this course will be based on attendance during a student's junior year.

22152 EMPLOYMENT SKILLS

Prerequisite: Junior Class

Employment Skills is a required class for all SHS juniors. This course is designed to develop the knowledge and skills necessary to prepare young adults entering the job market. Students will understand the differences

between jobs, occupations and careers. Students will learn how to identify their specific skills and abilities and how to transfer that knowledge to job applications and create effective resumes.

Through the use of online career exploration tools that measure individual interests and aptitudes, students will identify an occupation they are interested in learning more about. They will conduct research of the person, the business or organization an occupational field, followed by an informational interview with that person.

Students will be expected to meet the course goals listed in the course syllabus and be able to demonstrate their understanding of basic concepts, as well as create a master application, resume and reflection paper following their informational interview.

19262 PERSONAL FINANCIAL LITERACY

½ Credit/Semester

Prerequisite: None

Fee: None

The Personal Financial Literacy course at Sterling High School is a one semester course which is required for all SHS juniors 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.

WES Program

Prerequisites: Referral for screening, assessment and staffing must be in accordance with district policy, state and federal laws before placement in WES Program

The Work Experience and Study Program's primary purpose is to provide students with appropriate transition from school to adulthood. This program uses the WES competencies based on the state approved Alternative Cooperative Education Program and cooperation between various local and state agencies to provide necessary transition and educational services. These services are individualized for each student's needs.

Alternative Cooperative Education Class (ACE BOE Production/Business Class)

½ or 1 Credit

Prerequisites: Active IEP and/or teacher recommendation

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.

Life Skills Program

Prerequisites: Referral for screening, assessment and staffing must be in accordance with district policy, state and federal laws before placement in the Life Skills Program

The Life Skills program focuses its curriculum on developing vocational, domestic, recreation, leisure, integration and community skills. This program uses competencies based on the state approved Alternative Cooperative Education Program. Cooperation between various local and state agencies provides necessary transition and educational services. The primary purpose of the Life Skills program is to provide students with the skills and training necessary to live as independently as they are able. Life Skills includes the 18-21 Years Transition Program.

Intervention Resource Class

½ or 1 Credit/Semester/Year

Prerequisites: Active IEP and/or teacher recommendation

This course provides academic support for student with an active IEP. The class provides students a one-on-one/small group setting with access to a teacher and allows opportunities to monitor grades, complete assignments, take tests with accommodations, develop organizational and study skills, and receive additional skills development.

1190A/B School-to-Career Internship

Prerequisite: Employment Skills & Instructor Approval

¼ to 3 Credits/Semester or Year

This School-to Career program is only offered to juniors and seniors. Eligibility includes: C or better average in all classes, no record of unexcused absences, the maturity to work in an 'independent study' atmosphere, the competition of employment skills assignments and instructor approval.

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. Time sheets (verified attendance signed by the employer) and journal entries, which include reflections, are required for grading at the end of each quarter, and a final project, written thank you notes and adding the experience to your resume are required at the end of each 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 student's ability to successfully complete the necessary job requirements, turn in required paperwork and demonstrate mature workplace skills and behavior. *ENROLLMENT WILL BE LIMITED TO 35 STUDENTS PER SEMESTER*

9917A/B Senior Waiver

Only seniors may be allowed one, or a maximum of two, periods in which they are not enrolled in classes each semester if they have met the prerequisites of **22** total credits at the end of the junior year, met core requirements, and have parent, counselor and principal approval. Students must have a job or be enrolled in post-secondary options to be eligible for Senior Waiver. **SENIORS ARE REQUIRED TO REGISTER FOR SEVEN CLASSES PER SEMESTER WHEN COMPLETING THE REGISTRATION PROCESS.**

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.

Spanish Course Book available upon request.

