

STAR VALLEY HIGH SCHOOL

Enrollment Guide

2020-2021

GRADUATION REQUIREMENTS

AREA	CREDIT	% NEEDED
ENGLISH	4.0	70%
MATH	3.0	70%
SCIENCE	3.0	60%
SOCIAL STUDIES	3.0	60%
PE	0.5	60%
HEALTH	0.5	60%

Hathaway Scholarship

The state of Wyoming has established a generous scholarship program in the name of former Wyoming Governor Stan Hathaway that gives eligible Wyoming students scholarship money to attend the University of Wyoming or a Wyoming community college. Students are strongly encouraged to take coursework that will best prepare them to be awarded the maximum amount of money available.

	<u>Provisional Opportunity</u> GPA 2.5 ACT 17	<u>Opportunity</u> GPA- 2.5 ACT 19	<u>Performance</u> GPA 3.0 ACT 21	<u>Honors</u> GPA 3.5 ACT 25
Required Classes	\$840 per semester	\$840 per semester	\$1260 per semester	\$1680 per semester
Math	3	4	4	4
English	4	4	4	4
Science	3	4	4	4
Social Studies	3	3	3	3
FL, PA, VA, VOC	0	0	2	2

Guidance and Counseling Information

The counseling department provides students an opportunity for educational, vocational and personal counseling. Students and parents are encouraged to visit the counselors often and take full advantage of the various services offered.

The counseling office is open during the school year from 8:00 – 4:00. To make an appointment, call us at 307-885-4020. Students are assigned to a counselor and under normal circumstances that is the counselor with whom the appointment should be made.

Release of Records

In accordance with the Federal Privacy Rights of Parents and Student Act, signed consent forms are necessary in order to release academic and other pertinent educational information to any individual or agency. Releases are available in the Counseling Office. Once this Release of Records is on file in the counseling office, copies of transcripts can be obtained by calling the registrar at (307) 885-4020, or by sending a written request to: Registrar at : Star Valley High School 445 West Swift Creek Lane Afton, WY 83110

Information for New Students At SVHS

Parents or guardians of students new to the Lincoln County #2 public school system and students reentering school after a period of non-attendance of ten (10) or more days in a Lincoln County #2 public school need to contact the counseling office (307-885-4020) to make an appointment to register their child for classes at SVHS. Parents or guardians are required to accompany their students to the initial counseling appointment and must provide the counseling office with the following documentation.

- Proof of the immunizations according to Wyoming Statute 21-4-309:
- Proof of residency: Students under the age of 18 must have one legal parent or legal guardian residing in Wyoming.
- Students living with another relative, friend, friend of the family, or on their own must present a court issued Legal Guardianship Order or Emancipation Order (Wyoming Statute 14-1-201 through 14-1-206).
- The counseling staff will evaluate transcripts. Since all schools do not have the same credit or course offerings, students transferring into SVHS may be required to take skills tests to assure proper placement in SVHS courses.
- Students may also be asked to provide course syllabi to better match their former school's courses to SVHS courses for purposes of granting credit.
- Credits from home-school programs or other non-accredited schools are generally not accepted towards graduation at SVHS and for any credit to be counted towards graduation at SVHS must be reviewed and approved by the Secondary Curriculum Director of LCSD#2.
- The principal reserves the right to approve transferred credits and class placement.

Grading and Issuance of Credit

For all courses taken at SVHS a transcript grade and credit will be issued at the end of each semester. Grade Point Average (GPA) is determined based on a 4.0 scale (Unweighted) (A=4, B=3, C=2, D=1, F=0). There is a Hathaway GPA displayed on a student's transcript. That is determined on a 5.0 Scale where any class that is taken concurrently is placed on the 5.0 scale. However, that GPA is used for Hathaway determination at Wyoming Schools only.

Failed or Unsatisfactory Coursework

If a student fails a core course, it is strongly recommended that they retake the course so that the course of study continues to comply with graduation standards. If a student chooses to repeat a course, both grades will appear on the transcript but the student may choose to accept the credit for both wherein both will be computed into the GPA OR to accept only the higher grade but forego the previous classes credit in which case the previous classes grade would not be computed into the GPA. If a student fails a core course with a grade higher than fifty percent, credit recovery is possible through a contact with the teacher. Please see our counselors for information.

Schedule Changes

Schedule changes will only be made a week before the semester begins for the following reasons:

- Wrong placement
- Student has not taken prerequisite.
- Student does not meet requirements to be in class

Once the semester has begun schedule changes will only occur when:

- Teacher request
- IEP Request
- Administration Permission

Math Requirement

Students must pass Algebra I, Geometry and Algebra II with a 70% in order to move into the next sequenced course. If the student has a 70% average in three math classes (3 Credits) their final Junior/Senior math class does not have to be a 70%.

Early Graduation

Students who have completed graduation standards and required credits for graduation may be eligible to graduate early with the approval of the Lincoln County #2 Board of Education. The student desiring to do so must meet with the senior counselor, by January 15th of the student's junior year and complete an Early Graduation Request. This will be reviewed by the administration before permission is granted.

Selection of Valedictorian, Salutatorian, Honor Students

Criteria for consideration will include:

Valedictorian, Salutatorian, and Two Honors Students

Determined by the following formula:

- Grades of the 22 semesters of ranked courses are multiplied by their ranks and summed. The sum is added to the result of the GPA * 25.
- All courses are ranked by a committee consisting of teachers from varying disciplines according to difficulty i.e.: Basic courses = 1, Intermediate = 2, Difficult = 3.
- Student must have been a full time student at Star Valley High School for at least two semesters prior to selection. Selection cut off date for grades is two weeks prior to graduation.
- Exchange and early graduation students will not be eligible.
- Only grades transferred from a regionally accredited high school will be considered and will be computed on the scale of Star Valley High School.
- If a tie exists the students will share the honor.

COURSE DESCRIPTIONS

COMPUTER SCIENCE & TECHNOLOGY

Exploring Computer Science (Semester)

Prerequisite: None

Grades 9,10,11,12

Through hands-on projects, we will visit such topics as making a successful online business, creating successful youtube channels, Controlling robots and other physical computing, game and app development, and ethical hacking and IT security, personal computer safety when using the internet. Along the way, we will break down the taboos of the computer industry and show you how you can use computers to make you a living. Whatever your interests in life are there is a way for computers to make your interests into an income.

App Design/Development:

Prerequisite: None

Grade: 10,11,12

Learn the fundamentals of building an app. In this course, we will discover what it takes to make an app. We will cover selecting an idea for an app, app design and user experience, How to store and keep data, How to make an app function, how to make it look good. How to deploy it on a live server.

Web Design/Development: Web Foundations

Prerequisite: None

Grades: 9,10,11,12

The first part of this class will be teaching you the fundamentals of making websites after you have gained an understanding of how they are made and function we will introduce you into tools and frameworks that are designed to make your life a developer easier. The frameworks we will cover will be WordPress which makes up about 35% of all websites on the internet. We will also touch on other frameworks as well. We will also delve into how to make money from your websites. There are various ways in which this can be done. We will introduce you to some of them in this class.

ART

ART I**Grade Level: 9, 10, 11,12 (Semester or Year)**

A basic art education class, either semester or year long.

An introduction to drawing where drawing from life as well as creative and abstract drawings are studied in depth.

Elements and principles of art are studied through drawings done in a variety of media including pencil, ink, and scratchboard.

Elements and principles of art are studied through famous artists from Art History.

ART II COLOR (Semester)**Grade Level: 10, 11, 12****Prerequisite: Art I**

An introduction to color theory and color use through painting in pastels, color pencil, logo design, and watercolor, painting techniques and advanced composition practices.

Art History using artists from history to learn color and color theory.

ART II-CERAMICS (Semester)**Grade Level: 10, 11, 12****(Purchase of supplies required) semester course.**

Student does not have to take Art I or Art II Color before this class

Basic hand building and wheel thrown pottery techniques.

Projects increase in difficulty each quarter.

Basic firing and glazing techniques, including the history of ceramics.

ART III & IV (Semester or Year)**Grade Level: 11,12****Prerequisite: Art I & II Color****(Purchase of supplies required. Must have a B or higher to get into and stay in Advanced Art.)**

An advanced art course, intended for art careers and/or special interest in art. Both sections are together. Lessons rotate in 2-year blocks. Equivalent to an Advanced Placement studio art class. The student chooses the medium or mediums desired and works under the direct supervision of the teacher to work on advanced pieces to build college portfolios.

AP ART (Year)**Grade Level:12****Prerequisite: Art III/IV**

AP Studio Art is a year long very rigorous class that gives students the opportunity to earn college credit if willing to put in the time and effort on a college level. The AP Studio Art portfolio is designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The cost to submit the portfolio is approximately \$100.

Students will explore drawing issues including line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making through a variety of means, such as drawing, painting or mixed media.

GRAPHIC DESIGN (Illustrator) (Semester)**Grade Level: 10,11,12**

This class is a graphic design class that will focus on the Adobe Suite and particularly Adobe Illustrator. There is a vast array of employment opportunities if one is versed in this program. This class will help students problem solve, create, and get a good basic, students will also gain an understanding of digital citizenship, the design process, elements and process of design, color theory and typography.

GRAPHIC DESIGN (Photoshop) (Semester)**Grade Level: 10,11,12**

This class will be an introduction to the software Adobe Suite and particularly Adobe Photoshop. This class is a graphic design class that will focus on the Adobe suite. It will prepare kids for further use of this software in various pathways. There is a vast array of employment opportunities if one is versed in this program. This class will help students problem solve, create, and get a

good basic, students will also gain an understanding of digital citizenship, the design process, elements and process of design, color theory and typography.

PHOTOGRAPHY I (Semester)

Grade Level: 12

An introduction to digital still photography with emphasis on composition, quality, and themes. The class also works with computer programs such as Photoshop, iPhoto, iMovie, iTunes, and iDVD.

BUSINESS

INTRO to ACCOUNTING (Semester)

Grade Level: 9,10, 11, 12

Accounting is the language of business. After completing this course, you will have a major advantage when taking college accounting and possess the skills necessary for entry-level accounting and bookkeeping careers. During this course we will study the accounting cycle while completing accounting tasks for a service business organized as a proprietorship. The final project in the course is a real-life simulation completed manually. Throughout the course students will also be exposed to Quickbooks, the #1 rated small business accounting software.

QUICKBOOKS (Semester)

Grade Level: 10, 11, 12

Accounting is the language of business. After completing this course, you will have a major advantage when taking college accounting and possess the skills necessary for entry-level accounting and bookkeeping careers. During this course, we will review the accounting cycle for a service business organized as a sole-proprietorship. Students will then apply basic accounting principles using, with the opportunity to earn a certification in, Quickbooks Online, the #1 rated small business accounting software.

CERTIFICATION: Google Suite Certified

COMPUTERS INFORMATION SYSTEM (Semester)

Grade Level: 10,11,12 (College Credit)

In this introductory computer course, students will learn the functions of the computer and common software packages widely used in today's world. Students will participate in discussions and will complete activities using word processing, spreadsheet, database, and presentation software. Topics such as the following will be included: hardware, software, operating systems, communications, networks, information systems, database management, buying computers, and workplace issues. Students can earn three college credits from Western Wyoming. (Keyboarding skills strongly recommended.)

KEYBOARDING (Semester)

Grade Level: 10,11,12 (College Credit)

In this college level keyboarding class students will learn the functions of the computer and have an introduction to common software packages widely used in today's world. The focus of this class is to improve typing skills and prepare students for a career that requires or includes keyboarding skills or prepare for college where keyboarding skills will be critical.

Starting your own Business (Semester)

Grade level: 9,10,11,12

This course is project based and teaches the basics of planning and launching a business. Whether interested in creating a money-making business or a nonprofit to help others, this course provides the core skills needed to succeed. Students learn about real-life teen entrepreneurs, characteristics of successful entrepreneurs, pros and cons of self-employment, and how to attract investors and manage expenses. Students learn how to generate business ideas; create a business plan, mission and vision; and promote and market a company. Students will learn about setting personal visions and goals, sales stages, opportunities and strategies, planning and budgeting, and interpersonal communication in the workplace. The course includes projects on establishing a business, marketing and operating plans, creating marketing and advertising materials, financial planning and creating a business plan.

PERSONAL FINANCE (Semester)

Grade Level: 9, 10

This course will cover the basics of managing money for a teenager and is geared toward freshmen and sophomores. Students will do real world financial math every day in class along with units on saving, budgeting, keeping a checking account including on-line banking and debit cards, credit and credit cards, assets vs liabilities and much more. As students begin to make their own money, this class will give them the knowledge of what to do with it in order to prepare for the financial future.

OFFICE SKILLS (Semester)

Grade Level: 9,10,11,12 (College Credit)

This course is an introduction to the Office Management pathway where students will build skills to work in an office environment. These skills include keyboarding, dictation, email and calendars, telephone etiquette, customer service and creating business documents using Microsoft Office. Students will also learn valuable employability skills like communication, teamwork and professionalism. .

Certification: Keyboarding Proficiency**MILLIONARE CLUB (Semester)****Grade Level: 11, 12**

This course is geared toward juniors and seniors preparing to graduate, enter the real world and manage their own money. Units covered consist of paychecks and taxes, a college and family budget, saving and investing including a simulated stock market game, purchasing a car and home and the credit industry. Guest speakers on car insurance, renting contracts, banking smart and safe, and investing. This course can help prepare students better for the next level as they begin their own financial journey.

Certification: Foundations of Personal Finance**MOS Lab - Microsoft Office Specialist Certifications****There are 3 separate classes. You may sign up for 1 or all****Microsoft Excel:****Microsoft Word:****Microsoft PowerPoint:**

Stand out and be seen. Microsoft Office Specialist (MOS) certifications gives students and in-demand skill and credential that helps them get ahead. Students work in a computer lab through a self-paced program that leads to multiply certifications and digital badges in Microsoft applications including Word, Excel and PowerPoint. Students that earn a certification in each application become a Microsoft Office Specialist - Associate and earn an additional certification for their accomplishments. If students would like to advance even further, they can earn their Expert Certification and achieve the highest certification within the Microsoft Specialist Program.

Possible Certifications: Word Associate, Excel Associate, PowerPoint Associate, Microsoft Office Specialist (MOS) Associate, Word Expert, Excel Expert, Microsoft Office Specialist (MOS) Expert

FAMILY AND CONSUMER SCIENCE**CHILD DEVELOPMENT****Grade Level: 9, 10, 11, 12**

This child development course will build a positive understanding of children's growth and development as well as a solid foundation of parenting skills. Topics of study include responsibilities of parenting, building strong families, pregnancy and childbirth, and the physical, emotional, social, and intellectual development of children from birth to age 6. Child development students will learn theories of child development and growth as well as techniques to use when working with young children through class activities, presentations, discussion, videos, guest speakers, and field trips.

EARLY CHILDHOOD EDUCATION (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Child Development

This course introduces students to career opportunities related to early childhood education through instruction and hands-on lab experiences. Topics of study include providing early care and education of young children, approaches to teaching and learning, developmentally appropriate practice and planning a safe and healthy learning environments.

TEACHING PROFESSIONS (Semester)

Grade Level: 9, 10, 11, 12

Prerequisite: Child Development

This course presents a comprehensive introduction about how to become a teacher in today's society. Students will explore the responsibilities and rewards of being a classroom teacher through class activities, presentations, discussion, videos, guest speakers, and field trips. Topics include types of learners as well as how humans develop physically, intellectually, and socio-emotionally. In addition, instructional methods necessary to address these factors are covered.

FOODS (Semester)

Grade Level: 9, 10, 11, 12

Foods class includes basic instruction in the following units as they relate to choices for a wellness lifestyle:

- Getting organized and started in the kitchen
- Measurements, equivalents, kitchen math, and budgeting
- Use of technology and equipment
- Cookies, cakes, candy, and pastry
- Grains, yeast, and quick breads
- Preparing simple meals featuring cuisine's from America and around the world

CULINARY ARTS I (Sem/Yr)

Grade Level: 10,11,12

Prerequisite: Foods

Course Description: This course is designed to introduce students to the food service/culinary arts industry and prepare them to enter jobs in food service. Students will have the opportunity to learn and practice safety and sanitation procedures, and use and maintain commercial food service equipment. Experience in hosting will also be a major portion of the class and they will perform quantity food preparation as it relates to catering, bakery, restaurant, and hospitality. We will have the opportunity to present hospitality rooms during sports invitation's throughout the year. Attendance at these events is mandatory.

CULINARY ARTS II, (Sem/Yr)

Grade Level: 10,11,12

Prerequisite: Completion of Culinary I

Students will continue to develop skills for the restaurant and hospitality industry and lodging fields. Students will have the opportunity for a paid work experience, mentoring with chefs for the semester. Students will refine their culinary skills in the areas of commercial baking including but not limited to yeast breads, cakes, pastries, and pies. Students will develop menus and marketing and sales procedures for running their own restaurant. Students will work independently and in small groups incorporating grades 11 & 12 according to the Wyoming State Standards for the 11th grade. Competencies to be completed for certificates are: Hospitality rooms will be required-common assessments

FOREIGN LANGUAGE

AMERICAN SIGN LANGUAGE I (Year)

Grade Level: 9,10,11,12

Prerequisite: 3.25 GPA (Hathaway Approved)

American sign Language (ASL) is a true language that is used with in the deaf community. This course will introduce students to basic expressive and receptive skills in American Sign Language (ASL), including conversation strategies, body language, facial expressions, and finger spelling. Students will build their vocabulary, linguistic features, and continue to study deaf culture. Students who complete this course should be able to produce 3000 words with signs learned in class, along with having an awareness of deaf culture.

AMERICAN SIGN LANGUAGE II (Year)

Grade Level: 10, 11,12

Prerequisite: 3.25 GPA (Hathaway Approved) This course designed to build and perfect your receptive and expressive language ability. You will learn to an advanced level vocabulary, and structure of the language. Students will learn more vocabulary as well as: Locating Things Around the House, Complaining, Making suggestions and Requests, Exchanging personal information about life events, Describing and Identifying Things (Detailed use of Classifiers), Talking about Weekend, Continued work on fingerspelling at a faster speed, both expressively and receptively. Watch DVD's that are signed at natural "deaf" speed and answer questions to check for understanding.)

AMERICAN SIGN LANGUAGE MUSIC (Year)

Grade Level: 9,10,11,12

Prerequisite: 3.25 GPA (Hathaway Approved)

American Sign Language (ASL) is the language that is used within the Deaf Community. This course will introduce students to a new song every week. Students will learn the vocabulary for each song, as well as the appropriate facial expressions, body language and include the non-manual markers. Students will also learn how to correctly use their space to set up each song to create the picture in ASL. Students will learn how to role shift to make their signing more understandable for the deaf community. This is a fun class for anyone that enjoys music and wasn't to learn to sign in ASL.

SPANISH I (Year)

Grade Level: 9, 10, 11,12

Prerequisite: none

Introduction to the Spanish Language and culture with a focus on developing communication skills about high-interest, high-utility situations.

SPANISH II (Year)

Grade Level: 10, 11, 12

Prerequisite: Spanish I A continuation of Spanish, vocabulary, and expanding ability and exposure to Spanish.

SPANISH III 1010 & 1020 (Year)

Grade Level: 11, 12

Prerequisite: Spanish I & II

4 Concurrent College Credits

Continue skill development in Spanish. College credit course through WWCC, which currently uses "Mosaicos" including preterite, imperfect, future tenses.

ENGLISH

ENGLISH I (Year)

Grade Level: 9**Prerequisite: None****First Semester: (IA)**

Goals:

- To read and demonstrate comprehension in a variety of ways
- To review and apply grammar and mechanics
- To implement the writing process using the Six Traits of Writing
- To acquire library and research skills
- To use effective oral skills in discussing literature
- To write an essay comparing and contrasting heroes.
- To trace the development of themes, characters, or literary elements /devices
- To connect literature with current issues

Second Semester; (IB)

- To read and demonstrate comprehension in a variety of ways
- To review and apply punctuation and usage
- To use the Six Traits of Writing in literature-based compositions
- To develop communication skills through oral presentations
- To compose a short story
- To evaluate the author's purpose, techniques, and effectiveness
- To use inferences to discover meaning

ACCELERATED ENGLISH I (Year)**Grade Level: 9****Prerequisite: Cumulative GPA of 3.25 Cumulative or an A average in English.****First Semester: (IA)**

- To introduce intermediate grammar and usage skills
- To implement advanced thinking skills in the writing process
- To acquire library and research skills
- To write compare/contrast, persuasive, and expository essays.
- To trace in depth the development of themes, characters or literary elements/devices in literature
- To connect literature with current issues
- To analyze the author's development of a literary theme or use of a literary device in an appropriate essay form
- To recognize the cultural influences that has changed fundamental values such as heroism

Second Semester: (IB)

Goals:

- To develop advanced punctuation and usage skills
- To develop literature-based expository and personal writing skills
- To evaluate the author's purpose, techniques and effectiveness
- To use inferences to discover meaning
- To write a well-crafted short story with conflict, character development, setting and theme
- To integrate concepts and ideas to enhance oral and written expression

ENGLISH I INTENSIVE (Year)**GRADE LEVEL: 9****SPECIAL PLACEMENT AND TEAMED WITH LITERACY I****First Semester:**

Goals:

- To read and demonstrate comprehension in a variety of ways
- To implement the writing process using the Six Traits of Writing
- To review and apply grammar and mechanics
- To acquire library and research skills
- To use effective oral skills in discussing literature
- To analyze plot, character, and story elements
- To make connections to literature

Second Semester**Goals**

- To read and demonstrate comprehension in a variety of ways
- To use the Six Traits of Writing in literature-based compositions
- To review and apply punctuations and usage
- To develop communication skills through listening and speaking activities
- To use inferences to discover meaning
- To trace the development of themes, characters, and story elements in literature

ENGLISH II (Year)**Grade Level: 10****Prerequisite: None****First Semester IIA****Goals:**

- To review, refine, and implement basic writing conventions
- To recognize and respond to literary elements, human values, and cultural significance of drama and the novel
- To develop communication skills through an oral interpretation of a dramatic piece
- To develop communication skills through a literature-based oral presentation
- To make and support a claim using research, organization, and logic
- To speak and listen through a variety of activities

Second Semester IIB**Goals:**

- To develop and implement writing skills using effective sentence fluency
- To read and responding to literature on the literal, figurative, and personal level
- To implement the Six Traits of Writing in a personal narrative
- To implement imagery and figurative language in poetry and prose
- To speak and listen through a variety of activities

ACCELERATED ENGLISH II (Year)**Grade Level: 10****Prerequisite: Cumulative GPA of 3.25 Cumulative or A average in English****First Semester IIA**

- To discover, trust, and express voice and independent thought
- To implement advanced thinking skills in writing
- To introduce advanced usage and writing skills
- To recognize, analyze, and respond to literary elements, human values, and cultural significance of drama and the novel
- To develop advanced communication skills through an oral interpretation of a dramatic piece
- To develop advanced communication skills through a literature-based oral presentation
- To make and support a claim using advanced research, organization, logic, and rebuttal
- To speak and listen through a variety of activities

Second Semester IIB**Goals:**

- To expand elements of the Six Traits of Writing in descriptive, informative, and persuasive writing
- To develop and implement advanced grammar skills using effective phrases and compound, complex, and compound/complex sentences
- To read and responding to literature on the personal, figurative, and analytical level

To recognize and implement voice, imagery, and figurative language in poetry and prose
 To speak and listen through a variety of activities

ENGLISH III (Year)

Grade Level: 11

Prerequisite: none

First Semester: (IIIA)

Advanced Writing and American Literature before 1860

To refine advanced writing skills through complex sentence structure, depth of content, word and mechanical accuracy

To respond to the historical, social, and cultural significance of American literature

Second Semester: (IIIB)

Advanced Writing and American Literature after 1860

To discover and respond to the historical, social, and cultural significance of American Literature.

To generate, structure, and support a proposal through essay and persuasion

To demonstrate proper writing techniques and expand verbal and written language skills

Special emphasis will be placed on advanced writing skills.

ACCELERATED ENGLISH III (Year)

Grade Level: 11

Prerequisite: Cumulative GPA 3.25 or A average in English.

College Preparation

First Semester IIIA

Advanced Grammar and Analysis of American Literature before 1860

Goals:

To review and refine advanced writing skills through complex sentence structure, word and mechanical accuracy, and usage .

To expand verbal and written language skills.

To review and refine advanced grammar skills.

To apply higher-level thinking skills in the analysis of literature.

To discover and respond to the historical, social, and cultural significance of American Literature before 1860

(This class will read approximately 600 pages from all genres of literature)

Second Semester IIIB:

Advanced Grammar, Writing, Literature, and ACT/PAWS Preparation

Goals:

To refine advanced writing skills through depth of content, structure, and word and mechanical accuracy

To discover and respond to the historical, social, and cultural significance of American

Literature after 1860

To expand verbal and written language skills

To review and refine advanced grammar skills

To prepare students to take the ACT, PAWS, COMPAS Test

(This class will read approximately 450 pages from all genres of literature)

ENG. IV: HONORS ENGLISH IV (ENGLISH 1010) (Year)

Grade Level: 12

Prerequisite: Teacher recommendation, ACT of 23 (English & Reading), or score of 75 on Compass Test (English & Reading), and a minimum GPA of 3.25.

3 / 3 Credits Concurrent Enrollment

First Semester English 1010- 3 college credits

This is a college class. A student may receive 3 semester hours of college credit free of charge, from WWCC by completing the class with a C or better. The course title is English 1010: English Composition I. This freshman (college) English course is designed to develop writing skills. The course has two objectives: (1) for students to understand the various stages of the writing process, such as pre-writing, revising, and proofreading, and (2) for students to write clear, well essays organized with attention to grammar/mechanics.

Second Semester English 1020- 3 college credits

Prerequisite: Teacher recommendation, ACT of 23 or score of 75 on Compass Test, and completing English 1010 (first semester) with a C or better

Grade Level: 12

This is a college class. A student may receive 3 semester hours of college credit free of charge, from WWCC by completing the class with a C or better. The course title is English 1020: English Composition II. This course is a continuation of English I, this course emphasizes writing, research, and analytical reading.

ENGLISH IV (Year)

Grade Level: 12

English IV is available in two sections, I and II. Students may take either section for a semester only or enroll for a full year by taking both. English IV students will seek to explore the major facets of several of the world's most popular genres, from Science Fiction to Western Lit to Romanticism.

Through the study of literature and film, the class will become familiar with the elements that characterize these genres. The class will also look at the ways in which the types of literature overlap and come together. Additionally, the class will serve as a forum for student writers to produce and share their own creative writing in the style of one of the genres we study.

YEARBOOK (Year)

Grade Level: 10, 11, 12

Prerequisite: Teacher recommendation

In this class, students will participate in the creation of a school yearbook utilizing writing skill, word processing, desktop publishing software, design elements, and digital photography.

NEWSPAPER (Year)

Grade Level: 10, 11, 12

Prerequisite: Teacher recommendation

In this class, students will participate in the creation of a student newspaper utilizing writing skill, word processing, desktop publishing software, design elements, and digital photography.

MOVIES AND MEDIA (Semester)

Grade Level: 9, 10, 11, 12

Movies and Media could be known as film appreciation and is intended as a journey through the world of film, for a sampling of the thought and accumulated critical opinion that forms the basis of what makes films great, as art or culturally important dramatic works.

If you love film, here you can learn more about film-analysis, discussion of film, and the basic language and elements of filmmaking. This course will help you learn to form educated opinions that will hopefully make your enjoyment of the film medium deeper.

LITERACY LAB

Grade Level: 9

Prerequisite: Counselor placement –teamed with Intensive English I

This class is designed for students who need intensive instruction in basic reading skills. The Read 180 program, which is prescriptive and individualized at each student's instructional level, is the core curriculum. This program includes instruction in comprehension, vocabulary development, spelling, and fluency.

MATHEMATICS

All Freshmen will begin in Algebra 1 unless recommended by teachers at Star Valley Middle School for different placement. Intensive classes take up two periods in a student's schedule.

MATH ESSENTIALS (Year) (Pre-Algebra)

Grade Level: 9,10, 11, 12

Prerequisite: Teacher Recommendation Only

This is a one-semester course studying pre-algebraic concepts and is a remedial and preparatory class for Algebra 1 and will introduce equations and inequalities, linear equations and functions, linear systems and matrices, quadratic functions and factoring, polynomials, rational exponents and radical functions and basic statistics. TI-84 Plus Silver graphing calculator is required.

INTENSIVE ALGEBRA I (Semester)

Grade Level: 9, 10,11,12

This is a one-semester course studying simplifying of expressions, order of operations, real number properties, solving equations, graphing and solving systems of equations and inequalities, applying rules for exponents, factoring polynomials and simplifying square roots this class meets every day. **Graphing Calculator is required**

ALGEBRA I (Semester) Teacher recommendation only.

Grade Level: 9, 10,11,12

This is a one-semester simplified course studying the simplifying of expressions, order of operations, real number properties, solving equations, graphing and solving systems of equations and inequalities, applying rules for exponents, factoring polynomials and simplifying square roots this class meets every day. **Graphing Calculator is required**

INTENSIVE GEOMETRY (Semester)

Grade Level: 9,10, 11, 12

Prerequisite: Algebra I

This is a one-semester course studying points, lines, planes, angles, polygons, deductive and inductive reasoning, congruent and similar triangles, angle and side relationships within triangles, right triangle relationships, quadrilateral, properties of circles, finding perimeter and area of plane figures and finding surface area and volume of three-dimensional shapes. Graphing calculator is optional.

GEOMETRY

GRADE LEVEL 10, 11 OR 12

Prerequisite – Algebra 1 Teacher Recommendation only.

Intended for those who began in Pre-Algebra and are using this class for their Geometry credit and final math credit. This class is not intensive and lasts the whole year this class meets every day. 0.5 Credits

INTENSIVE ALGEBRA II (Semester)

Grade Level: 10, 11, 12

Prerequisite: Algebra I & Geometry

This is a one-semester course studying equations and inequalities, linear equations and functions, linear systems and matrices, quadratic functions and factoring, polynomials, rational exponents and radical functions and basic statistics. TI-84 Plus Silver graphing calculator is required.

FINANCIAL ALGEBRA (Semester)

Grade Level: 10, 11, 12

Prerequisite: Algebra I & Geometry Teacher Recommendation only.

This is a one-semester simplified course studying equations and inequalities, linear equations and functions, linear systems and matrices, quadratic functions and factoring, polynomials, rational exponents and radical functions and basic statistics. TI-84 Plus Silver graphing calculator is required.

INTENSIVE COLLEGE ALGEBRA/ TRIGONOMETRY (Semester)

Grade Level: 10, 11, 12

Prerequisite: Algebra II, Geometry

This course studies the graphs and equations of exponential and logarithmic functions, rational functions, quadratic relations and conic sections, series, sequences, counting methods, probability, data analysis and statistics. TI-84 Plus Silver graphing calculator is required. This course also studies trigonometric relationships within triangles, Cartesian coordinates, the unit circle, graphs of trigonometric functions, vector analysis, trigonometric identities and solving triangles using the laws of sines and cosines. TI-84 Plus Silver graphing calculator is required.

PRE-CALCULUS COLLEGE ALGEBRA (Semester)

Grade Level: 11, 12

Pre-requisite: College Algebra (23 ACT for College Credit)

4 College Concurrent college Credits from USU

Build on your skills and understanding of College Algebra in this college level class. Improve skills enough to be successful in a college level Calculus class. Topics include equations, inequalities, functions and their graphs, polynomial functions, rational functions, conics, exponential and logarithmic functions, systems of equations and inequalities and matrices.

PRE-CALCULUS TRIGONOMETRY (Semester)

Grade Level: 11, 12

Pre-requisite: College Algebra

4 College Concurrent college Credits (24 ACT for college credit) from USU

Similar to the High School level Trigonometry. But looking deeper into the problem solving aspects that will be useful in the following calculus courses. Additional topics involving complex numbers, etc. are also learned.

CALCULUS I (Year)

Grade Level: 11,12

Prerequisite: College Algebra and Trigonometry

Math ACT of 27 or COMPASS test score of 5 OR PRE-CALCULUS CA for

4 College Concurrent college Credits

Graphing calculator required

Topics covered:

Functions and models

Limits and derivatives

Rules of differentiation

Applications of differentiation and integration

NOT MATH CREDIT

May be used as Junior/Senior Math (Elective) credit.

ACT MATH PREP (Semester)

Grade Level: 11, 12

Prerequisite: Algebra I, Algebra II, Geometry with a C grade or better

ACT Prep/Review will investigate and solve a variety of mathematical problems similar to those found on the ACT exam. The majority of problems will be from released items on the ACT. Offered for juniors and seniors planning on taking the ACT test. The December ACT will be the final for this class.

MUSIC

The grade levels listed are general guidelines. Exceptions may be made.

MIXED CHOIR (Semester /Year)**Grade Level: 9, 10, 11, 12**

Students will learn techniques and skills to create and perform while collaborating with others in a choral setting. They will connect music with history, cultures, and society. This is a performance - based course. Some out of school time will be required. Mixed Choir will participate in District Festival.

CONCERT CHORALE (Semester /Year)**Grade Level: 10, 11, 12****Prerequisite: Audition required.**

Students will learn techniques and skills to create and perform while collaborating with others in a choral setting. They will connect music with history, cultures, and society. This is a performance-based course. Concert Chorale will have 5-8 performances a year, will participate in a two-day group tour, District Clinic, All State, and District Festival.

SINGCOPATION (SELECT JAZZ CHOIR) (Semester /Year)**Grade Level: 10,11,12****Prerequisite: Audition required.**

Students will learn techniques and skills to create and perform while collaborating with others in a small choral setting. They will connect music with history, cultures, and society. This is a performance-based course. Singcopation will have 15-20 performances a year, will participate in a group tour, District Clinic, All State, Jazz Festival, and District Festival. Students selected for this group may not enroll in Select Girls Choir.

TREBLE TONES (SELECT GIRLS CHOIR) (Semester /Year)**Grade Level: 10, 11, 12****Prerequisite: Audition required.**

Students will learn techniques and skills to create and perform while collaborating with others in a small choral setting. They will connect music with history, cultures, and society. This is a performance - based course. Advanced Women's Ensemble will have 15-20 performances a year, will participate in a group tour, District Clinic, All-State, Select Festival, and District Festival. Out of school rehearsal time is required. Women selected for this group may not enroll in Singcopation.

SYMPHONIC BAND Grade Level: 9, 10, 11, 12 (Semester /Year)**Prerequisite: previous experience in Band**

Students will learn techniques and skills to create and perform while collaborating with others in a concert band setting. They will connect music with history, cultures, and society. This is a performance-based course, including pep band and marching band experiences. Symphonic Band will have 15-20 performances a year, will participate in District Clinic, All State, and District Festival. 2 hours of home practice a week is expected.

JAZZMIN (Semester /Year)**Grade Level: 10, 11, 12****Prerequisite: Audition required**

Students will learn techniques and skills to create and perform while collaborating with others in a jazz band setting. They will connect music with history, cultures, and society. This is a performance-based course, including pep band. Jazzmin will have 15-20 performances a year, will participate in a three-day group tour, District Clinic, All State, and District Festival. 3 hours of home practice a week is expected.

BEGINNING ORCHESTRA (Semester /Year)**Grade level 9, 10****No Previous String Experience**

Beginning Orchestra is a n introduction to a variety of high school level music including pop, fiddle and classical music. It is also a preparatory orchestra for Concert Orchestra. Students interested in gaining or improving their skills in strings, while enjoying a variety of music would be a good fit for this class.

CONCERT ORCHESTRA (Semester /Year)**Grade level 9, 10, 11, 12****Previous String Experience or Teacher Permission**

Concert Orchestra plays a variety of high school level music including pop, fiddle and classical music. It is also a preparatory orchestra for those interested in auditioning for Chamber Orchestra. Students interested in improving their skills in strings, while enjoying a variety of music would be a good fit for this class.

CHAMBER ORCHESTRA (Semester /Year)**Grade Level: 10, 11, 12****Prerequisite: Audition required**

Chamber group performing at all orchestra festivals and trips as well as community performances. Chamber members will be considered members of the concert orchestra. In lieu of being required to enroll in concert orchestra members will learn and perform the concert orchestra music with the concert orchestra as well as their own music. Repertoire will include full group and small group chamber music, all-state auction and state strings in-class preparation and standard repertoire for community events.

MUSICAL PERCUSSION ENSEMBLE: (Semester)**Grade Level 9,10,11,12****Prerequisite: All students must receive Instructor Approval prior to enrollment.**

This a study of music and it's "real world" application of public performances. Students will rehearse and prepare for performance in the SVHS Marching Braves Drum line and Percussion Ensemble. This class is for First Semester Only.

PHYSICAL EDUCATION

FRESHMAN P.E. (Semester)

Grade Level – 9 only

There are 3 Options to fill this requirement. Freshman must choose one of the following

1) Physical Fitness

Class emphasis is on physical conditioning and knowing how muscles are worked, stretched and conditioned through exercise and fitness games. This course applies the principles, practices, and the importance of lifelong fitness. Students will participate in fitness evaluations to determine fitness goals and participate in a variety of activities to promote overall fitness and health. It's content will consist of but not limited to the Physical Fitness Test, Crossfit, Circuit training, Group Fitness activities (i.e. Zumba, Yoga, High Fitness), conditioning games, and gaining knowledge of wellness, fitness and lifestyle management.

2) Intermural Sports (Basic)

Class emphasis is on gaining a basic knowledge of **team and** individual sports, fitness and lifetime activities. Sports and activities include, but are not limited to; basketball, badminton, dance, disc golf, flag football, gymnastics, pickleball soccer, track & field, ultimate frisbee and volleyball. Students will progressively learn the skills and game strategies for each sport as well as the historical background and terminology. These sports/activities have been chosen to encourage students to participate in physical activity for life and to promote good health and wellness.

3) Competitive Sports

This class is designed for students interested in learning skills and strategies of team sports. This course will include daily skill instruction and implementation of those skills into a competitive game setting. Sports may include, but are not limited to: basketball, flag football, soccer, ultimate frisbee, pickleball, badminton, and volleyball. This course will also include daily cardiovascular fitness and conditioning specific to the sport they are focusing on.

HEALTH (required) (Semester)**Grade Level: 9**

This class will focus on decision making as we explore many health related areas of study.

Students will learn responsibility and communication skills.

Students will demonstrate skills for problem solving and being assertive.

Students will learn basic skills for emotional, mental, and physical health.

FITNESS FOR LIFE (Semester)**Grade Level: 11, 12**

In this class students will understand and become aware of the components of physical fitness and dimensions of wellness. Plan their own nutrition and understand the proper use of nutrition in maximizing performance and longevity in their lives. They will also understand the benefits and significance of participating in a lifetime of fitness and wellness and different activities available that will help them achieve such fitness and wellness. PE I is a prerequisite for this class.

WEIGHT TRAINING (Semester / Year)**Grade Level: 9, 10, 11, 12**

Students will develop skills in proper weight lifting techniques and conditioning exercises.

Students will develop personal fitness and increase strength according to one's body dimensions.

TEAM SPORTS (Semester)**Grade Level 10,11,12**

Students will gain skills in sports that are team based. They will be in their workout zone for more than half of the class time each day and learn teamwork, and cooperative skills.

SCIENCE

PHYSICAL SCIENCE (Year)**Grade Level: 9 - Required class**

Sections of Physics and Chemistry

To understand basic physical laws dealing with matter, energy and chemistry.

To learn laws of nature dealing with forces, light, wave motion and electricity.

BIOLOGY (Year)**Grade Level: 10 - Required Class**

Comprehensive coverage of biological concepts, topics, and terminology, including activities and labs, which will develop scientific literacy. Topics include scientific principles, methods, tools, cell processes, cell genetics and inheritance, organization and interdependence of living organisms.

Required class for Biology II

CHEMISTRY (Year)**Grade Level: 10, 11, 12****Prerequisite: Must have taken Algebra II & Physical Science (10th-Instructors approval)**

Study of matter in all it's forms, to learn the composition of matter and it's behavior, to solve formulas and equations, solve problems and apply scientific theory. This is a year-long class and is very important for college preparation.

ZOOLOGY (Semester)**Grade Level: 11, 12**

Students will learn Biology with a focus on the interdependence of living organisms and their environment. Hands on approach will be taken to extend knowledge and add depth to their understanding of the environment. As part of this hands on approach, fieldwork and field trips may be required. Concepts such as succession, matter cycles, energy flow, biodiversity, ethics, and community interactions will be covered.

BIOTECHNOLOGY (Semester)**Grade Level: 11, 12**

Biotechnology is the use or manipulation of living organisms or components of living organisms to create products or scientific processes. One of the biggest successes of the Biotechnology Industry is the manufacturing of human insulin through bacteria. The study of biotechnology stems back to ancient civilizations and the artificial selection of organisms or the use of yeast to improve foods. Today, biotechnology involves everything from DNA manipulation and the production of GMO crops to cloning, molecular biology and forensics.

This course is meant to introduce students to the fundamental principals of biotechnology, bioethics, the biotechnology industry and possible career choices in the biotechnology industry. This course will emphasize how we combine many of the sciences such as legal scientific data analysis, biology, chemistry and physics to improve our current data collection or product manufacturing. The knowledge and skills gained in this course will prepare students to enter the workforce in a career that uses biotechnology or as a laboratory technician in a university setting.

GEOLOGY (Year)**Grade Level: 11,12**

This class is designed to give students a basic understanding of beginning geologic concepts and skills. It will be hands on approach to learn about Earth's materials, resources, and systems. Our planet's dynamic surface and interior processes will be studied through investigations of plate tectonics, volcanoes, earthquakes, mountain building, streams, groundwater, mass movements, glaciers, and shoreline processes. We will use lecture, library and Internet research, field studies, labs, maps, and computers to learn about our marvelous world. A student must be in this class all year and may not transfer in at semester.

HONORS BIOLOGY II (Fall Semester)**Grade Level: 11, 12**

Prerequisite: Biology with grade of B or above, and Chemistry with grade of C or above. GPA 3.0 and Science teacher recommendation.

3 Credit Concurrent Enrollment with USU, Biology 1010

Juniors having completed Chemistry as a sophomore can qualify, leaving openings for more science options as a senior.

Students may enroll and pay \$255.00 for college credit, or enroll as a high school honors class only, without a registration fee or credit. Textbook will be furnished. All students will pay a \$20.00 syllabus fee. This course fills the general education life-science

requirement at most colleges. Also includes cellular functions, reproduction, heredity, evolution, ecology, and organism diversity. Includes 4 tests. No final. Required class for Human Anatomy & Physiology.

HONORS ANATOMY & PHYSIOLOGY (Spring Semester)

Grade Level: 11,12

Prerequisite: **Biology 1010 and Science teacher recommendation Honors Biology. Class is not concurrent credit**

Students will study structure, functions, and diseases of the systems of the human body. Dissection required. One field trip required. Some guest presenters. The physical structure of friends and pets will take on new meaning. Good preparation for college classes, health and medical careers, or for any student who would like to understand more about the human body and related abnormalities.

HONORS PHYSICS (Year)

Grade Level: 11, 12

Prerequisite: **College Algebra and Trigonometry (concurrent enrollment in trigonometry with teacher's permission)**

Students must stay in this class all year to receive credit for Physics! If you drop this class, you will receive credit for Advance Physical Science, it is a level 2)

This class is a must for those considering professions in engineering, and other physical science-related fields. Physics is a hands-on approach to the study of linear motion, rotary motion, circular motion, projectile motion, energy, work, power, machines, and period motion. The course includes application of concepts through laboratory work and construction of several devices. Cannons, bridges, timing devices, and egg transport machines are some of the projects used for learning experiences. Microcomputer based labs are also used to give students opportunities to collect and synthesize data using computers.

HONORS PHYSICAL GEOLOGY (Year)

Grade Level: 11, 12 **Prerequisite:** 3.25 GPA

College Credit Available Through WWCC

Here is a great opportunity for you to receive four free semester hours of lab based college science credit. You'll never look at the earth in the same way after you've taken this class. Physical Geology is designed to be hands on approach for the student to learn common rocks and minerals found in this part of the world.

Students will be able:

To explain processes involved in rock and mineral formation, weathering, erosion, oceans and shorelines, volcanoes, Earth's interior and plate tectonics, mountain building, geologic hazards, glaciations, ground water, and deserts.

To identify geologic surface features created by the above-mentioned processes through photos, maps, and in the field investigations.

Labs and field trips will reinforce concepts covered in class.

SOCIAL STUDIES

WORLD HISTORY & CULTURE-Required (SEM)**Grade Level: 10****Prerequisite: none**

To study world history from the earliest civilization of man to the present.

AMERICAN HISTORY - Required (Year)**Grade Level: 11**

To study American history from the beginning to the present.

AP/HONORS AMERICAN HISTORY (Year)**Grade Level 11 & 12****Pre-requisite 3.25 Cum. GPA**

This class is to provide students with the analytical and factual knowledge necessary to deal critically with problems and issues in United States History. It is intended for qualified students who wish to complete the equivalent to an introductory college American History class while still in high school. At the end of the course, students may opt to take the A.P. test. If passed, students may earn 6 college credits, accepted at most universities nationwide. This course will be an intensive course of study that will encompass an entire year. There will be in-depth coverage of American History from its discovery/founding to our present Administration. There is an \$85 fee for the administration of the test.

U. S. GOVERNMENT**Grade Level: 12****Prerequisite: none**

To understand the constitution and the American political process.

To understand the world problem areas and current trends.

To understand the working of State and local government and your responsibility in the American government system.

HONORS U.S. GOVERNMENT / POLITICAL SCIENCE**Grade level 12 Prerequisite 3.25 Cum GPA****4 Credits Concurrent enrollment**

This class is to provide students with insight and factual knowledge necessary to analyze and understand in depth the U.S Government and its internal workings. It is intended for qualified students who wish to complete the equivalent to an introductory college Political Science class while still in high school. There will be in-depth coverage of U.S Government and Political Science.

ECONOMICS Required (Semester)**Grade Level: 11,12**

In this class students will learn both Microeconomics and Macroeconomics. Micro is the study of the economy at the individual or business level. Focus will be on supply and demand, prices of goods and services, careers, and personal finance. Macroeconomics is the study of the economy at a countrywide level. Focus will be on unemployment, inflation, banking, and government influence through monetary and fiscal policy.

GEOGRAPHY (Semester)**Grade: 9,10, 11,12 (Hathaway Scholarship Elective)**

To learn physical and cultural geography.

To study problem areas of the world learning of the people history and culture and gain an understanding of their problems.

(Hathaway required)

PSYCHOLOGY (Semester)**Grade Level: 11, 12**

To learn what personality is and how it is developed.

To study mental health and how it is maintained.

To study the influences of the environment upon the individual.

To gain a positive self-concept.

SOCIOLOGY (Semester)**Grade Level: 11, 12**

To learn how people interact with one another.

To study marriage and the family.

To learn the effects of crime and juvenile delinquency, including a study of the prison system.

To learn about the effects of old age and death.

To study current social problems such as abortion and capital punishment.

To learn how we are influenced by our culture and other cultures.

TECHNOLOGY – CTE - AGRICULTURE**AGRICULTURE I, Year long preferred****Grade Level 9, 10, 11, 12**

Prerequisite: None

This course is an exciting opportunity for students to explore careers in one of the Nation's largest industries. If you are the student that is looking to enrich your school experience with activities, this is the place for you. We travel all over the state where you gain experience with other students from different schools. You may even get an opportunity to attend National FFA Convention in Louisville Kentucky.

AGRICULTURE II & III (Year long preferred)**Grade Level 10,11,12****Prerequisite: Ag I**

See course description above.

INTRODUCTION TO AUTOMOTIVE MECHANICS (Semester)**Grade Level: 9, 10, 11, 12**

This course covers the theory, construction, inspection, diagnosis, and repair of internal combustion engines and related systems. Topics include fundamental operating principles of engines and diagnosis, inspection, adjustment, and repair of automotive engines using appropriate service information. Upon completion, students will be able to perform basic diagnosis, measurement and repair of automotive engines using appropriate tools, equipment, procedures, and service information.

AUTO MECHANICS II (Semester)**Grade Level: 10, 11, 12****Pre-requisite – INTRO TO MECHANICS**

Students will go deeper into the world of mechanics and repair by building upon the concepts learned in Mechanics and Repair Technology 1. Students will learn how the individual systems in automobiles work together as a whole. Using diagnostic tools in the lab, students will learn repair and maintenance techniques used in industry repair shops.

AUTOMOTIVE ELECTRICAL (Sem)**Grade Level 9,10,11,12**

Digital Electronics (DE) is the study of electronic circuits that are used to process and control digital signals as opposed to analog signals that are varying. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. CONCURRENT COLLEGE CREDIT

AUTOMOTIVE BRAKES AND SUSPENSION (Sem)**Grade Level 9,10,11,12**

Digital Electronics (DE) is the study of electronic circuits that are used to process and control digital signals as opposed to analog signals that are varying. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. CONCURRENT COLLEGE CREDIT

ADVANCED AUTOMOTIVE MECHANICS III**Pre-Requisite – Automotive Mechanics II**

In this course, students will be able build upon their knowledge and skills by taking on more advanced projects that will prepare them for the industry. Such projects may include: transmission service and adjustments, suspension and steering diagnose and repair, 4-wheel alignments, engine removal and repair, drivetrain component removal and repair, overhauls, advanced scan tool diagnosis and more. *This is the third course in a 3-course sequence that prepares students for the Maintenance and Light Repair (MLR) ASE Student Certification test.

WELDING I : OXYACETYLENE (Semester)**Grade Level: 9, 10, 11, 12**

This basic introductory course will get you started on a track towards a welding career. This course is a semester course in which you will develop skills in Oxygen-Acetylene (gas) welding and cutting processes.

WELDING I : ARC (Semester)**Grade Level: 9, 10, 11, 12**

This basic introductory course will get you started on a track towards a welding career. This course is a semester course in which you will develop skills in Stick-Electrode (arc) welding the most versatile and widely used method in the welding industry.

WELDING II (Year)**Grade Level: 10, 11, 12****Prerequisite: Welding I (Arc) -**

Are you Ready to test your skills? This is the place for you, while receiving both College and High School credit. Through this year course you will develop your skills in fillet welding. You can earn 3 college credits through Western Wyoming Community College at no cost to you during Spring Semester.

WELDING III (Year) CC**Grade Level: 11, 12****Prerequisite: Welding II - College Credit Available through WWCC**

Through this year course you will develop your skills in structural welding. First semester will focus primarily on V-groove welding with backing bar, in various positions along with outside corners second semester will be V-groove with open root in the various positions. Individuals will test to receive certification in May of second semester.

WOODS (Semester)**Grade level: 9,10,11,12**

This class is designed to teach and develop basic skills required in the building and planning of woodworking projects. Students will be able to identify the needs and wants for woodworking in everyday life. They will learn the importance and function of furniture, cabinets and crafts. Also, a student will have an introduction to the necessary tools needed to construct wood projects. Design and selection of materials including cost estimating will allow students to choose their projects built in this class.

RESIDENTIAL CONSTRUCTION (Semester)**Grade Level: 9, 10, 11, 12**

This is a basic course to introduce students to the construction fields. This course is designed to teach different areas the construction field covers. Such as, design, plan reading, site layout, construction safety, floor, wall and roof framing and exterior finish. Students will gain an understanding and a working knowledge of the construction field. Students need to furnish their own hand tools

RESIDENTIAL CONSTRUCTION II (Semester)**Grade Level: 9, 10, 11, 12****Prerequisite – RC I**

This is a course to continue skill development and understanding of the construction fields. This course is designed to teach different areas the construction field covers. Such as, design, plan reading, site layout, construction safety, floor, wall and roof framing and exterior finish. Students will improve their working knowledge of the construction field. Students need to furnish their own hand tools

RESIDENTIAL CONSTRUCTION III (Semester or Year)**Grade Level: 11, 12****Prerequisite – Residential Construction II**

This is a capstone course where students apply construction skills learned in the previous classes. During the course of building a small residential structure. Students will perform construction skills e.g. layout, framing, hanging doors and windows, flashing windows, siding, and roofing. Students will also read blueprints, make plans, and lead other students.

INTRODUCTION TO ENGINEERING (Semester)**Grade level: 9,10,11,12****College Credit Available through USU**

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.

PRINCIPLES OF ENGINEERING (Semester)**Grade level: 10,11,12****Prerequisite: Intro to Engineering - College Credit Available through USU**

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

COMPUTER AIDED DESIGN 2D (Sem/Yr)**Grade Level: 9,10,11,12****College Credit available upon completing 2D AND 3D**

Do you have an interest in engineering? How about working as an architect? What about designing things? Interior Designer? City Planner? All of these careers, plus many, many more require the use of 2D CAD software to help in the designing of products. During this class you will learn AutoCAD, one of the most widely used CAD programs today, and have a chance to earn an industry certification upon completion. This certification can lead to direct employment after high school. Come and see what doors AutoCAD can open for you!

COMPUTER AIDED DESIGN 3D (Sem/Yr)**Grade Level: 9,10,11,12****College Credit available upon completing 2D AND 3D**

So you've learned some 2D software and you're ready to take the next step into the 3D world. This is the class for you! During your time here you will learn Autodesk Inventor, a mainstream software used for the design, simulation and 3D print prototyping of cutting edge products. During your time in this class you will have the opportunity to earn college credit and earn an industry certification, both of which will help you stand out above the crowd when applying for college or moving straight into the workforce.

ARCITEXUAL DRAFTING (Sem/Yr)**Grade Level: 9,10,11,12****Prerequisite: Introduction to Engineering – College Credit Available through WWCC**

Designed to teach CAD techniques utilized in architectural drafting. The student will apply architectural drafting standards in the preparation of a complete set of house plans. Students will learn architectural terminology and nomenclature as used in the building industry. Applications of advanced CAD features will be employed in the course.

ROBOTICS AND DESIGN (Sem)**Grade Level 9,10,11,12**

Students will explore the world of robotics by designing and building competition quality robots. Students will learn how to design, build and program robots and similar machines. Students will also program and use vinyl cutters, laser engravers, t-shirt printers and more!

MAKER SPACE (Sem)**Grade Level 9,10,11,12**

Have an idea for a great project, you just don't know how to build it? Do you love making things? Maybe you've always wanted to create something new, or improve something you already have, you just don't know how to do it. This is the class for you! You will also have a chance to participate in several aspects of making through prototyping with electronics, microcontrollers, some simple computer programming all while learning how to use a laser engraver, water-jet cutter and 3D printer. Come learn how to make!

SPECIAL OFFERINGS

RELEASE TIME - SEMINARY (Semester /Year)**Grade Level: 9, 10, 11, 12**

Released time religious instruction.

SENIOR CAPSTONE (Semester)**Grade Level: 12**

Students will learn how to balance a budget based on real-life occupations. Students will learn how to write checks, balance a check- book, and pay mandatory bills. Also, each student will research colleges and degrees.

After which, each student will become familiar with an occupation(s) of the student's choice. Students will be required to attend field trips with the class, do service as a class and individually, and spend time in several occupational settings. Students will be versed in interviewing and presentation skills.

WORK EXPERIENCE CERTIFIED NURSING ASSISTANT (C N A)**(Semester- 2 Period class)****Grade Level: 11, 12****Prerequisite: 3.25 GPA and must be 16 years old.****There is a fee for registration of this class.****5 Credit Concurrent Enrollment**

This course prepares a person to work as a nursing assistant. Assistants work in hospitals or nursing homes under the supervision of licensed nursing personnel. The course includes basic nursing assistant principles as well as provides opportunities for practice and demonstration of skills related to client care, with emphasis on the elderly client. Student's time will be divided between classroom lecture, nursing laboratory time and supervised experience in hospital and nursing home setting. Clinical time near the end of the semester will require additional hours and will be completed at SV Care Center. Satisfactory completion of course entitles the student to take the competency examination to become "certified" in the State of Wyoming

INTERNSHIP / WORK EXPERIENCE**Semester or Year and One or Two class periods****Grade Level: 12, other grade levels upon special request and approval from Counselors and Principal**

This class is generally for upper classmen. Students may choose a work site to improve their understanding of a certain field of their choice. They will spend one or two class periods per day in the chosen site. Students will have regular drop in's by a teacher and have other requirement's to meet such as time cards, skills videos and assignments, etc.

SPECIAL EDUCATION

EXTENSION ENGLISH IV (Semester / Year)**Grade Level: 12****Requires permission before registration**

Extension English IV is a class that helps support the general English IV class. The class offers re-teaching the concepts presented in the general class, assisting with assignments, and pre-teaching the lessons to come. This class is taught by a Special Education teacher and is individualized to the students' needs.

EXTENSION PHYSICAL SCIENCE (Semester / Year)**Grade Level: 9,10,11****Requires permission before registration**

Extension Physical Science is a class that helps support the general Physical Science class. The class offers re-teaching the concepts presented in the general class, assisting with assignments, and pre-teaching the lessons to come. This class is taught by a Special Education teacher and is individualized to the students' needs.

EXTENSION WORLD HISTORY/ BIOLOGY (Semester / Year)**Grade Level: 10****Requires permission before registration**

Extension World History / Biology is a class that helps support the general World History and Biology classes. The class offers re-teaching the concepts presented in these general classes, assisting with assignments, and pre-teaching the lessons to come. This class is taught by a Special Education teacher and is individualized to the students' needs.

EXTENSION AMERICAN HISTORY / ENGLISH III (Semester / Year)**Grade Level: 11****Requires permission before registration**

Extension American History / English III is a class that helps support the general American History and general English III classes. This class offers re-teaching the concepts presented in these general classes, assisting with assignments, and pre-teaching the lessons to come. This class is taught by a Special Education teacher and is individualized to the students' needs.

EXTENSION U.S. GOVERNMENT (Semester / Year)**Grade Level: 12****Requires permission before registration**

Extension U.S. Government is a class that helps support the general U.S. Government class. The class offers re-teaching the concepts presented in the general class, assisting with assignments, and pre-teaching the lessons to come. This class is taught by a Special Education teacher and is individualized to the students' needs.

IP VOC (Individual Planning/Vocational Curriculum)**Grade Level: 9, 10, 11, 12****Requires permission before registration.**

This class is taught by a Special Education teacher and is individualized to the students' needs

AND AMERICANS WITH DISABILITIES ACT**NOTICE OF NONDISCRIMINATION**

Applicants for admission and employment, students, parents, persons with disabilities, employees, and all unions or professional organizations holding collective bargaining or professional agreements with the Star Valley High School are hereby notified that this school does not discriminate on the basis of race, sex, color, national origin, age, religion, or disability in admission or access to, or treatment or employment, in, its programs and activities. Any person having inquiries concerning the school's compliance with the regulations implementing Title VI, Title IX, The Americans with Disabilities Act (ADA) or Section 504 is directed to contact:

Nathan Westcott
P.O. Box 8000
445 W. Swift Creek Lane
Afton, WY 83110
307/885/7113

Who has been designated by the school to coordinate efforts to comply with the regulations regarding nondiscrimination.