

***WESTLAKE
HIGH SCHOOL***



***COURSE
DESCRIPTIONS
2017-18***

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GRADUATION REQUIREMENTS

3.0 Credits English

- 1.0 English 9
- 1.0 English 10
- 1.0 English 11

1.00 Credit English Elective

2.0 Credits Math Core (9-12)

1.00 Credit Math Elective

2.00 Credits Science Core (9-12)

Taken from 2 of the 4 quadrants:

- Biology, Biology AP, Human Biology
- Chemistry, Chemistry AP
- Earth Systems
- Physics, Physics AP, Physics/ Technology

1.00 Credit Science Elective

3.0 Credits Social Studies

- 0.5 World Geography (9th)
- 0.5 World Civilization(9th)
- 1.0 U.S. History
- 0.5 Gov. & Citizenship
- 0.5 Student's choice (9-12)

1.5 Credits Fine Arts (9-12)

1.0 Credit Career & Technical Education (9-12) (CTE)

0.5 Credit Computer Technology

0.5 Credit Financial Literacy

0.5 Credit Health (10th Grades)

1.5 Credits Physical Education (9-12)

- 0.5 PE Skills and Techniques (9th)
- 0.5 PE Fitness for Life
- 0.5 PE Lifetime Activities

9.5 Credits Electives

(any extra Credit earned in the above requirements, and/or any elective Credit of choice)

28 total Credits Required for Graduation

COLLEGE BOUND SUGGESTED REQUIREMENTS

--augmenting the above requirements

- 4.0 Units English 4.0 Units Math
- 4.0 Units Science 2.0 Units Foreign Language
- 3.0 Units Social Studies

EARLY GRADUATION

Students may graduate at the conclusion of the eleventh Grades, if they have completed the twenty-eight (28) Credit requirements for graduation in Alpine School District. Application must be made upon registration for the eleventh Grades or no later than November 15th of the junior year. Contact your counselor for further information.

ADVANCED PLACEMENT COURSES

College Board Advanced Placement exams are given every May.

A student earning a passing Grades from this exam may be granted three to ten semester Credits by the university or college the student is admitted. We offer the following AP classes:

- | | | |
|---------------|-----------------------|------------|
| Art | Biology | US History |
| AB Calculus | BC Calculus | Chemistry |
| English | Music | Physics |
| Spanish | Statistics | |
| World History | Government & Politics | |
| Psychology | | |

PSAT/NMSQT TEST

PSAT/NMSQT Test (Preliminary SAT) is suggested for juniors who want to qualify for the National Merit Scholarships. Both of these test are optional and given only one time in the fall.

College Entrance Exams (ACT or SAT) should be taken near the end of the junior year or, at the latest in the fall of the senior year. Register on line at www.actstudent.org for the ACT test. Some ACT registration packets are available in the Counseling Center. Also register on line for the SAT at www.collegeboard.com.

Classes are subject to change.

ADMISSION REQUIREMENTS FOR UTAH COLLEGES/UNIVERSITIES

Utah colleges and universities strongly recommend the following courses:

4.0 Units English (emphasizing composition/literature: English 9, English 10, English 11, English 12 or English AP)

3.0 Units Math (4 years are encouraged) select from Secondary Math I, II, III, College Prep, Math 1010, 1050, 1060 or AP Calculus. Students are strongly encouraged to take at least through Secondary Math III.

3.0 Units Science Core (selected from 3 of the following 4 areas: Earth Systems; Biology; Chemistry; Physics)

2.0 Units Foreign Language (Same language) Required by University of Utah only, recommended by all other colleges.

1.0 Unit United States History

4.0 Units Additional Courses (Select from at least two groups: English, history, math beyond Algebra 2, foreign language, lab science, social science, fine arts.)

NCAA REQUIREMENTS Division I Academic Eligibility

To be eligible to compete in NCAA sports during your first year at a Division I school, you must graduate high school and meet **ALL** the following requirements:

- Complete [16 core courses](#):
 - Four years of English
 - Three years of math (Algebra 1 or higher)
 - Two years of natural/physical science (including one year of lab science if your high school offers it)
 - One additional year of English, math or natural/physical science
 - Two years of social science
 - Four additional years of English, math, natural/physical science, social science, foreign language, comparative religion or philosophy
- Complete 10 core courses, including seven in English, math or natural/physical science, before your seventh semester. Once you begin your seventh semester, you may not repeat or replace any of those 10 courses to improve your core-course GPA.
- Earn at least a [2.3 GPA](#) in your core courses.
- Earn an [SAT combined score or ACT sum score](#) matching your core-course GPA on the Division I sliding scale, which balances your test score and core-course GPA. If you have a low test score, you need a higher core-course GPA to be eligible. If you have a low core-course GPA, you need a higher test score to be eligible.

GRADUATION CREDIT REFERENCE SHEET

ART	
1.5 Credit	
Chamber Orchestra	Concert Orchestra
Ceramics 1	Ceramics 2
Ceramics 3	Musical Theatre
Intro Musical Theater	AP Ceramics
AP Music Theory	2D Design
Digital Photography	Percussion (Advanced)
Photo 2	Watercolor
General Choir	Urban Dance
Drawing/Drawing 2	A Cappella
AP Art Drawing/AP 2D Portfolio	Painting
Art Honors	Men's Choir TB
Women's Choir SA	Music Appreciation
Drama 1	Alliance
Drama 2	Concert Band
Drama 3	Jazz Band
Drama 4	Marching/Pep Band
Symphonic Band	Symphonic Orchestra
Wind Symphony	Screen Printing
Color Guard	Madrigals
Dance 1	Adv. Wind Symphony
Dance 2	Color Guard
Dance 3	Printmaking
Dance Company	3D Design
Design & Visual Communications	Industrial Art

CAREER TECHNOLOGY EDUCATION	
(CTE)	
1.0 Credit	
Accounting 1 & 2	Agriculture Comm. Leadership
Agriculture Mechanics 1 & 2	Greenhouse Management
Animal Science	Leadership Principles
Entrepreneurship	Biology Agriculture
Cabinet Making	Floral Design
Retailing (Student Store)	Furniture Design
Sports/ Entertain Marketing	Equine Science
Landscape Management	Adult Roles
Child Development	Early Childhood Ed 1 & II
Emergency Medical Response	Health/Science Intro
Apparel Design Prod I & II	Vet Assisting
Medical Anatomy & Phys.	Sports & Outdoor Prod.
Exercise/Sports Medicine	Fashion Strategies
Sports Medicine II	Plant & Soil Science
Culinary Arts (Pro Start)	Vet Tech
Foods & Nutrition 1 & II	Sports Sewing
Digital Photography	Interior Design 1 & 2
Advanced Photo 2	Textile Design
Law Enforcement	TV Broadcasting 1
TV Broadcasting 2	Biotechnology
(Thundervision)	Computer Programming I
Computer Programming II	Intro to Physical Therapy
CAD Mechanical Design I	TV Production 1
TV Production 2	Robotics
Medical Terminology	Woodworking 1
Web Development	Exploring Comp Sci
Physics w/ Tech	Advertising Commercial Art
Printmaking	Design Visual Comm
Carpentry	

HEALTH	
.50 Credit	
Health	

FINANCIAL LITERACY	
.50 Credit	
Financial Literacy	

COMPUTER LITERACY	
.50 Credit	
Exploring Computer Sci	
Computer Programming	
Web Development	

PHYSICAL EDUCATION	
1.5 Credits	
Dance Co	Alliance
Drill Team	Fitness for Life
Lifetime Activities	Color Guard
Cardio Jam	Conditioning
Dance 1	Swim Team
Dance 2	Weight Training
Dance 3	Weight Training Adv
Urban Dance	Girls Weights

ENGLISH	
3.0 Credits	
English 9	English 11
English 9 Honors	English 10
English 12	AP English Lang
English 10 Honors	AP English Lit

SOCIAL STUDIES**3.0 Credits--****.50 Credit World Civilization****.50 Credit Geography****.50 Government & Citizenship****.50 Credit 1 Choice****1.0 Credit US History**

Anc. World History	US History
Govern. & Citizenship	AP US History
AP Geography	AP US Gov./Politics
Psychology	Sports Psychology
World Geography	Sociology
AP Psychology	AP World History
US Wars	Economics
Modern World History	Current Issues

SCIENCE CORE**2.0 Credits****SC1**

Biology
Biology Agriculture
AP Biology

SC3

Earth Systems

SC2

Chemistry
AP Chemistry

SC4

Physics
AP Physics
Physics w/ Technology

MATHEMATICS**3.0 Credits****2.0 Core 1.0 Elective**

Accounting 1 (Elective)	Personal Finance (Elective)
Accounting 2 (Elective)	Modern Math (Elective)
Secondary Math I	Secondary Math III
Secondary Math II	Secondary Math III Honors
Secondary Math II Honors	Math Decision Making (Elective)
AP Calc AB	Computer Programming (Elective)
AP Calc BC	AP Stats
College Prep Math	Math 1010
Math 1050	Math 1060

APPLIED SCIENCE**1.0 Credit**

Botany	Health Science Introduction
Animal Science	Medical Anatomy & Physiology
Astronomy	Weather & Meteorology
Geology	Equine Science
Zoology	Enviro Sci
Plant Soil Science	Bio Tech

LANGUAGE ARTS & COMMUNICATIONS**1.0 Credit**

AP Spanish Language	ELD
Creative Writing	Chinese 3
Debate	Chinese 4
Debate Adv.	Intro to College Writing (Eng. 1010)
English 12	Mythology
AP English Lang.	ASL3
ASL4	Fantasy Sci Fi Lit
AP English Lit.	Reading Skills
Film Literature	Spanish 3
Short Story	Spanish 4
AP Spanish Lit	

ELECTIVES

Aide-Office	Latino's in Action
Aide-Media Center	Math Resource
Aide-Teacher	Math Lab
Peer Tutor	Cheerleading
Stage Crew	Student Council
Work Base Co-op/Career Intern	Ballroom
ASL 1 & 2	Chinese 2

ART



AP STUDIO ART OR AP 2D Portfolio

1.0 Credit

Grades 11-12

Prerequisite: Teacher Approval

Supply cost dependent on student use

COLLEGE LEVEL COURSE

Students will develop a portfolio, either a 2D or Studio Portfolio. Students will choose with teacher direction which portfolio to submit. For highly motivated students who are seriously interested in the study of art. Students should be aware that Advanced Placement work involves significantly more time than the typical art class, **including work outside of class**. Students will be expected to purchase their own tools, paper, and media. Students will be involved in developing a comprehensive portfolio to meet the demands of the AP evaluation board. Work for the AP portfolio is divided into three areas: (1) quality of work; (2) concentration on a particular interest or theme; (3) breadth of experience.

DESIGN AND VISUAL COMMUNICATIONS (COMMERCIAL ART)

.5 Credit

Grades 10-12

A program in the applied visual arts that focuses on the general principles and techniques for effectively communicating ideas and information, and packaging products, in digital and other formats to business and consumer audiences, and that may prepare individuals in any of the applied art media.

PRINTMAKING I

.5 Credit

Grades 1-12

Prerequisite: Drawing I (High School)

Printmaking teaches how to make fine art prints using studio processes such as relief, intaglio, planography, and stencil. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

DIGITAL PHOTOGRAPHY I

.5 Credit

Grades 10-12

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of digital photography. Instruction includes training in specialized camera and equipment operation, software usage, maintenance, applications to commercial and industrial needs, and photography business operations.

ADVANCED DIGITAL PHOTOGRAPHY (PHOTO II)

.5 Credit

Grades 10-12

This course is designed for students who want to further enhance their photographic knowledge and abilities. It is an application of the skills learned in Basic Digital Photography with an emphasis on professional jobs and assignments used in commercial photography. A portfolio of each student's work is expected at the end of the course.

MUSICAL THEATRE

1.0 Credit

Grades 10-12

Prerequisite: Audition

A hands-on course designed to cover the aspects of musical theatre. Students will also study elements of dance, choreographic principals and processes, dancing, acting and auditioning.

DRAWING I

.5 Credit

Grades 10-12

Supply cost dependent on student use

Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks, and imagination. With an emphasis on studio production, this course is designed to develop higher level thinking, art-related technology skill, art criticism, art history, and aesthetics.

DRAWING II

.5 Credit

Grades 10-12

Prerequisite: Drawing 1 or 2 (High School) or Honors Art (High School)

Supply cost dependent on student use

This course is designed for students who are familiar with basic art techniques and have experience with drawing. You will learn how to acrylic paint through various styles and techniques. Art history, aesthetics, color theory, and art criticism are a major part of the course as well.

PAINTING I

.5 Credit

Grades 10-12

Prerequisite: Drawing I

This course is designed for students who are familiar with basic art techniques and have experience with drawing. Students will work primarily in acrylic paint but will also learn experimental processes using different media. Art history, aesthetics, color theory, and art criticism are a major part of the course as well.

PRINTMAKING

.5 Credit

Printmaking teaches how to make fine art prints using studio processes such as relief and stencil through use of linoleum, cardboard, and other media. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

WATERCOLOR

.5 Credit

Prerequisite: Drawing 1

This course is for the High School Visual Arts Core Curriculum. Watercolor includes wet media and focuses on the operations of color. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

SCULPTURE

.5 Credit

Introduction to basic tools, processes and safety practices will be employed in the creation of sculptural ideas. Past and current concepts are studied. Students learn how to best display and present their work. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history and aesthetics.

CERAMICS I

.5 Credit

Grades 10-12

Supply cost dependent on student use

Ceramics develops basic skills in the creation of 3D forms and pottery from clays. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics. Students will work with both hand-building and wheel-throwing techniques.

CERAMICS II

.5 Credit

Grades 10-12

Supply cost dependent on student use

Prerequisite: Ceramics I

Ceramics develops basic skills in the creation of 3D forms and pottery from clays. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics. Study of wheel-throwing and ceramic process is extended.

AP CERAMICS/CERAMICS III

1.0 Credit

Grades 11-12

Prerequisite: Ceramics I and II

Supply cost dependent on student use

This class develops advanced skills in the creation of 3D forms and pottery from clays. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history and aesthetics. Study of wheel throwing and working on a larger scale is extended. Ceramics III is a gateway class to AP 3D studio art and is recommended for anyone planning to submit an AP portfolio.

ADVERTISING & DESIGN

.5 Credit

Grades 10-12

Prerequisite: Design and Visual Communication

Supply cost dependent on student use

This is a course in the applied visual arts that prepares individuals to use artistic techniques to effectively communicate ideas and information to business and consumer audiences via illustrations and other forms of digital or printed media. Instruction includes training in concept design, layout, paste-up, and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage, and computer graphics. These courses are based on the state task list.

INTRODUCTION TO SCREEN PRINTING

.5 Credit

This course is designed to provide students with the basic knowledge and skills relative to the graphic design and screen-printing industries. Includes instruction and hands-on experiences in the following areas: history, design & layout, digital prep of designs, one and multiple color processes, indirect and direct stenciling methods, on various substrates. This allows for “live work” experience and provides an overview of the screen-printing and print making industries on the commercial level.

ART HONORS

1.00 Credit

Grades 10-12

Prerequisite: Teacher Approval

Supply cost dependent on student use

This course is a full year intensive study in art methods. Students will learn drawing and painting techniques in order to prepare them for AP Art. Focus on the figure and accurate renderings, drawing from life and student taken photographs. Art History, Aesthetics, Visual Culture and Art Criticism will also be addressed.

2D DESIGN

.5 Credit

Grades 10-12

Supply cost dependent on student use

2D Design is constructed to provide an overview of Visual Arts while studying a broad variety of art tools and materials. Students will learn about the elements and principles of design. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skills, art criticism, art history and aesthetics.

3D DESIGN

.5 Credit

Grades 10-12

Supply cost dependent on student use.

3D Design provides an overview and introduction to fine crafts, their media, and the cultures they represent. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.



LA-DANCE I (Beginning)

.5 Credit (Art OR PE elective credit) Grades 10-12

This is a beginning level dance course that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connections to other curricular areas. No prerequisite course is required.

LA-DANCE II (Intermediate)

.5 Credit (Art OR PE elective credit) Grades 10-12

This is an intermediate level dance course that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connections to the other curricular areas. The prerequisite for this course is Dance 1.

LA-DANCE III (Advanced)

1.0 Credit (Art OR PE elective credit) Grades 10-12

This is an advance level dance course that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connection to other curricular areas. The prerequisite for this course is Dance 2.

PRE-COMPANY/ALLIANCE

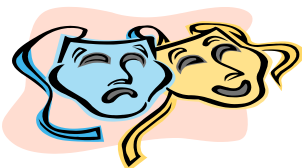
1.0 Credit (Art OR PE elective credit) Grades 10-12 Auditions Only

This is a preparatory dance company that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connections to other curricular areas. This organization involves extra hours spent outside of class time to rehearse for various performances. The prerequisite for this course is an audition.

LA-DANCE COMPANY (Advanced)

1.0 Credit (Art OR PE elective credit) Grades 10-12 Audition Only

This is a preparatory dance company that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connections to other curricular areas. This organization involves minimal extra hours spent outside of class to rehearse for various performances. The prerequisite for this course is an audition.



DRAMA I

.5 Credit

Grades 10-12

This course introduces the student to the beginning elements of theatre and performance with emphasis on self-improvement in performance and public communication. Students will study basic acting skills.

DRAMA II

1.0 Credit

Grades 10-12

Prerequisite: Drama 1 in 9th Grade or Drama & Film.

Continues to build on the basics of theatre with an emphasis in acting. Students will study more advanced performance skills and work in both scenes and monologues. Confidence and performance skills are improved through classroom activities and participation. Students will also begin to study playwriting and other facets of the theatre.

DRAMA III

1.0 Credit

Grades 11-12

Prerequisite: Drama 2 or teacher approval.

Students will continue to study acting, playwriting, and will compete at Region.

DRAMA IIII

1.0 Credit

Grade 12

Prerequisite: Audition Only

This class is the capstone theatre class. This is the competition class. Students will compete in Shakespeare, Region and State. Students will continue to study performance.

DIGITAL PHOTO I (Mr. Edwards CTE Credit Only) (Cellar Art Credit Only)

.5 Credit

Grades 10-12

Supply cost dependent on student use

Includes the basics of photography, learning to use a camera, Photoshop, and how to take professional photographs. Cameras are provided during classroom use. A few are available for overnight checkout. Late fees apply. A flash drive is necessary for students to save images. Students are also welcome to use their own cameras.

ADV. PHOTO II-FILM PHOTOGRAPHY

.5 Credit

Grades 10-12

Prerequisite: DIGITAL PHOTO Supply cost dependent on student use

Includes a review of the fundamentals of using a 35 mm camera, developing black and white film and enlarging black and white prints in the darkroom. This course will introduce students to more creative aspects of photography. This course also includes an introduction to studio lighting. The principles and elements of design will be the main focus of each assignment. **Students may provide their own 35 mm camera (manual)** a few are available for checkout, and **purchase their own disposable materials (film, photo paper, and negative sleeves).**

ENGLISH & APPLIED/ADVANCED LANGUAGE ARTS



Lab Fee for All Classes

ENGLISH 10

1.0 Credit

Grade 10

English 10 will focus on the elements of explanatory writing and argument writing as well as analysis of a variety of literary texts. Students will learn to analyze claims in a variety of literary and informational texts. They will also analyze the arguments made in these texts, specifically looking at logical fallacies, and ethos, pathos, and logos. Students will make their own claims and find solid support from a text for that claim. They will also be able to draw connections between supports and claims, both their own and others. There will be a solid foundation for fragments and run-on sentences, commas, colons, semi-colons, and parallel structure.

ENGLISH 10 HONORS

1.0 Credit

Grade 10

Prerequisite: "B" or better in English 9, "C+" or better in English 9 Honors. There is also a summer reading assignment required for all students registering for this class.

English 10 Honors will focus on the elements of explanatory writing and argument writing as well as analysis of a variety of American literary texts which include: *The Scarlet Letter*, *The Crucible*, *The Great Gatsby*, *The Adventures of Huckleberry Finn*, *Julius Caesar*, and *A Raisin in the Sun*. Students will learn to analyze claims in a variety of literary and informational texts. They will also analyze the arguments made in these texts, specifically looking at logical fallacies, and ethos, pathos, and logos. Students will make their own claims and find solid support from a text for that claim. They will also be able to draw connections between supports and claims, both their own and others. There will be a solid foundation for fragments and run-on sentences, commas, colons, semi-colons, and parallel structure. There is a requirement of outside reading as well as a summer reading assignment due after Labor Day.

*PRE-REQUISITE for AP Language and AP Literature.

ENGLISH 11

1.0 Credit

Grade 11

English 11 will focus on reading, writing, and inquiry standards of achievement, as outlined by the Eleventh Grades Language Arts Core. Quoting from this Core, "Reading instruction continues to offer young adults opportunities for improvement through growing sophistication in interaction with a variety of texts. Writing

moves to analysis and interpretation of multiple ideas and perspectives to extend thinking and demands synthesizing of

ideas to form conclusions and recommend actions.

Analytical evaluation and assessment of writing are further nuanced, and editing skills are more sophisticated and specifically and clearly delineated. Inquiry skills are focused on synthesizing information in preparation for presenting research results." Inquiry skills are focused on synthesizing information in preparation for presenting research results." A vocabulary and usage review will also follow the guidelines of the Eleventh Grades Language Arts Core.

ENGLISH 11 HONORS

1.0 Credit

Grade 11

Prerequisite: "B" or better in English 10, "B-" or better in English 10 Honors. There is also a summer reading assignment required for all students registering for this class. The class is not American Literature. The course is British Literature from the Medieval Period (Beowulf, Chaucer) to the Modern British Period. (Post WWI) Students are required to do literary analysis, and intensive reading and writing to prepare them for AP Literature. This is a Pre-AP class. The study in this class is to prepare students to take AP Literature. **This class serves as a prerequisite for those students who are interested in taking AP English.**

ENGLISH 12

1.0 Credit

Grade 12

English 12 provides an opportunity for students to further develop skills in the following areas of the Language Arts Common Core: reading, writing, speaking, listening, conventions, and vocabulary. Learning skills in these areas provides a foundation for later success in a myriad of job and/or college-related assignments. Additionally, the critical thinking skills inherent to effective reading and writing will benefit students in making decisions about their world. English 12 not only provides an opportunity to learn valuable skills, it also has the potential to entertain and inspire. English 12 provides a review of select, significant British literary works, including Shakespeare's *Hamlet*. Additionally, English 12 involves a study of *The Rent Collector*, *The Alchemist*, and *Life of Pi*: novels either by global authors or about global issues. In addition to learning core language arts skills, students will have an opportunity to gain cultural literacy with respect to select British classics and critically acclaimed contemporary works. To develop stronger reading skills, students will be required to read a novel of their choice during select terms (to be announced). An assessment on this reading, through independent reading reports or projects, will be assigned during applicable terms. Major assessments include a personal narrative essay, an explanatory essay, an argument essay, and a graduation speech.

AP ENGLISH LANGUAGE

1.0 Credit

“The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes.” We will use primarily nonfiction texts to accomplish these goals, examining their rhetorical strategies and use of language. Students will read and write with the purpose of examining and creating strategies that elevate their writing style and their ability to respond to the rhetorical and analytical styles of other writers.

According to the College Board, “Students choosing AP English Language and Composition should be interested in studying and writing various kinds of analytic or persuasive essays on non-literary topics.”

“The goals of an AP English Language and Composition course are diverse because the college composition course is one of the most varied in the curriculum. The college course provides students with opportunities to write about a variety of subjects and to demonstrate an awareness of audience and purpose. But the overarching objective in most first-year writing courses is to enable students to write effectively and confidently in their college courses across the curriculum and in their professional and personal lives.” Though reading is a very, very important aspect of the curriculum, writing will be the main focus. Students will be asked to respond to mature prompts in creative ways. “The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers.” There is one big paper per term and students will read and write extensively every week. **Average Homework Hours Per Week: 3-4.**

AP ENGLISH LITERATURE

1.0 Credit

Grade 12

According to the College Board, “An AP English Literature and Composition course engages students in the careful reading and critical analysis of imaginative literature.

Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work’s structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone.”

The course will utilize a wide range of classic and contemporary fiction, along with poetry, to accomplish these goals. Students will read and write with the purpose of examining and creating strategies that elevate their writing style and their ability to respond to the styles of revered writers and poets.

Though analytical reading and formal writing are integral aspects of the curriculum, one of the main benefits of the course is students have the opportunity to savor language and ideas presented in a myriad of formats and genres. The benefits of this exploration will carry throughout post-

secondary studies and career pursuits. **Average Homework Hours Per Week: 3-4.**

COLLEGE WRITING, UVU ENGLISH 1010 OR EXPOSITORY WRITING: (CONCURRENT ENROLLMENT FROM UVU IS AVAILABLE)

1.0 Credit Grades 12 or 11 with Senior status

3.0 Credits Concurrent enrollment *(OPTIONAL)*

For Concurrent Enrollment students the following prerequisites needed: ACT score of 19+ in English and 19+ in Reading or higher, OR and ACT score of 20+ in English and 18+ in Reading, OR and ACT score of 18+ in English and 20+ in Reading, Senior status, 3.0 GPA in 10th and 11th grade English classes. You may substitute ACT scores with a UVU Accuplacer Reading and Sentence Skills Test at the Testing Services Center on the UVU campus.

This class is a full year college reading and writing course. To receive college credit the class must be taken for the entire year. A college transcript is generated at the completion of this course, which becomes part of the student’s college record. Writing covered in this class includes narrative, descriptive, argumentative, process analysis, cause and effect, and research. The majority of the readings are non-fiction with the exception of the poetry unit, the Hamlet unit, and book club at the end of the year.

CREATIVE WRITING

.5 Credit

Grades 11-12

This course is designed for those who wish to explore their writing abilities. We cover a variety of genres, and the class is modified depending on the desires of the students. We typically cover poetry, short stories, memoir, drama, and storytelling. If you’re willing to write and wanting to try out different techniques, this is the class for you!

ADVANCED CREATIVE WRITING

1.0 Credit

Grades 11-12

This course is designed for those who are truly passionate about writing and want to be able to spend more time honing their craft. Students will have the opportunity to participate in National Novel Writing Month, publish their writing on blogs, work with critique groups and work towards getting their writing published on a national level. You do NOT need to have completed Creative Writing 1 to take this course, with instructor approval.

MYTHOLOGY

.5 Credit

Grades 11-12

An overview of world mythology, the study of myths; their nature, functions, symbolism and uses; their cultural contexts, artistic expressions, and influence on contemporary life. This course will also explore how myths relate to great human themes that run through the world’s cultures. Mythic stories and mythic systems help us understand who and what we are, and what we want to be. You will learn how myths have come about in various parts of the world and how they have functioned in society, reshaping to reflect

changes. We will explore how mythological thinking has affected experience and human understanding since prehistoric times. By comparing myths and cultures, and different forms of artistic expression and interpretation, you will improve your abilities to analyze, conceptualize, and communicate across disciplines, and you will discover what these stores have to do with people's lives today. **Average Homework Hours Per Week: 3-4.**

SHORT STORY

.5 Credit **Grades 11-12**
This class is dedicated to the short story form of writing. Students will *read* short stories AND *write* short stories. In that way, it is a hybrid creative writing/analysis class. We will break down short stories and consider how they differ from longer-form writing. Students will then take those principles and apply them to their own short stories, which will be shared and workshopped in class. Characterization is a very important skill we will practice, as well as plotting in a much tighter narrative. Anyone who signs up for this class should be ready to *read a lot* and have *no trouble sharing their fictional writing*. A spirit of improvement, experimentation, and community pervades this class. **Average Homework Hours Per Week: 3-4.**

SCI-FI/FANTASY

.5 Credit **Grades 10-12**
Students will evaluate how science fiction and fantasy explores the human experience by writing several term papers analyzing and comparing genre conventions and whole texts. Students will build lifelong reading skills and habits and will learn to write like professionals. Daily reading and writing is required. Students will also develop the 7 survival skills for 21st-century career and citizenship by working frequently in groups where they will be required to discuss their thoughts on the reading. Initiative, planning skills, and commitment to extended learning will be required for the individual creative projects. **Average Homework Hours Per Week: 3-4.**

FILM LITERATURE

.5 Credit **Grades 11-12**
This challenging course prepares students to explore and analyze motion pictures as texts (i.e. literature). The emphasis will be on developing an understanding of film as a literary expression through extensive reading and as an extension of the written text. Students will be required to write at least 5 one-to two-page essays. Students are required to read from their textbook every week to supplement class discussion and clips. Movie clips shown in class are imperative to understanding the concepts. Frequently missing class is not an option. Though this rigorous course does not require a love of film, it is highly recommended that students who sign up for Film Lit have some enthusiasm for the subject. As well, students should be above average English students, as the analytical concepts require higher level understanding. **Average Homework Hours Per Week: 3-4.**

FINANCIAL LITERACY



FINANCIAL LITERACY

.5 Credit **Grades 11-12**
Course is designed to provide students the opportunity to prepare for the choices and challenges of today's financial markets. A better understanding of personal finance will help students move into adulthood making more informed monetary decisions, realizing a greater potential for personal wealth, and fostering a stronger state and national economy. **(THIS IS A GRADUATION REQUIREMENT)**

FOREIGN LANGUAGE

ASL I (American Sign Language 1) Elective Only

1.0 Credit **Grades 11-12**
Limited Enrollment

This is an introductory course in American Sign Language as developed and used by the Deaf community in most areas of North America. It consists of a preparatory phase to attune students to communication in the manual-visual mode, followed by instruction and practice in vocabulary, sentence structure, elementary conversation, and literature. In addition, the course provides a survey of various issues raised by examining ASL and the Deaf community. An opportunity to build receptive and expressive sign vocabulary; use of signing space; further use of non manual components of ASL grammar including facial expression and body postures, and introduction to conversational regulators. The course includes the discussion of regional and ethnic sign variations, and social, political and educational institutions of the Deaf community.

ASL II (American Sign Language 2) (Elective Only)

1.0 Credit **Grades 11-12**
Limited Enrollment

Prerequisite: Successful completion of ASL 1 or permission from instructor.

This course emphasizes further development of receptive and expressive skills. Introduction to language forms used in ASL poetry and to the features of culture as displayed in art and theater. This course consists of intensive use of expressive and receptive skills in complex grammatical structures, dialogues, and storytelling.

ASL III (American Sign Language 3) (Elective Only)

1.0 Credit **Grades 11-12**
Prerequisite: Completion of ASL 1 & 2

This course is designed to provide the student with a proficient understanding of and skill level in American Sign Language in the following areas – expressive and receptive skills, fingerspelling skills, grammar, Deaf culture, and deafness.

FRENCH I (Elective Only)**1.0 Credit****Grades 10-12**

This is an introduction to the French language. Students will learn basic communication skills through lots of conversation, games, group work, listening activities, authentic media, cultural presentation and a dash of history and geography. Classes will be conducted in both English and French.

FRENCH II (Elective Only)**1.0 Credit****Grades 10-12****Prerequisite: French I or equivalent**

Students will strengthen their speaking and listening skills through situational role playing, in-class presentations,

games, activities, videos and cultural readings. Aspects of French history will also be covered. Students will read important French literature in the original French (*Le Petit Prince* by Antoine de St. Exupery). Classes will be conducted in both English and French.

FRENCH III**1.0 Credit****Grades 10-12****Prerequisite: French II**

This course will emphasize speaking and listening skills. The class is conducted almost exclusively in French. Students will learn to express themselves in a wide variety of social contexts. Students will read important French literature in the original French (*Cyrano de Bergerac* by Edmond Rostand). Certain grammatical structures and concepts will be taught to increase communicative ability and to prepare for French 4.

FRENCH IIII**1.0 Credit****Grades 10-12****Prerequisite: French III**

In level 4/AP language, students begin a cycle of advanced understanding and performance in the language. They can exchange personal opinions for the purpose of persuading others. They can use a variety of language strategies, and they can read and write factual information accurately. They read longer excerpts or complete works of literature. They discuss and respond to what they read. Students will read *L'etranger* by Albert Camus, an example of existentialist literature and *Volkswagen Blues* by Jacques Poulin, a Quebecois novel. Students at this level may opt to take an Advanced Placement Language exam or they may defer the exam until the end of their fifth year.

SPANISH I (Elective Only)**1.0 Credit****Grades 10-12****Prerequisite: Have not had any Spanish, or have had less than 1 full year. No native speakers.**

Class stresses the four language skills of listening, speaking, reading, and writing. Students practice the skills by means of guided conversation, structure drills, listening exercises, reading material that will help improve reading skills, and writings that focus on the grammar learned in each chapter

of the text book.

SPANISH II (Elective Only)**1.0 Credit****Grades 10-12****Prerequisite: Completed Spanish I (1 full year). No native speakers.**

Narratives rather than dialogues are used to present structure and vocabulary. Through the reading selections, pupils learn more about Spanish culture. Teacher will speak Spanish extensively.

SPANISH III**1.0 Credit****Grades 10-12****Prerequisite: Spanish II No native speakers.**

Spanish is used almost exclusively in the classroom with emphasis on the use of different tenses, conversation, reading, and writing. Creative projects where students have to use oral language will be part of the assessments used.

CONCURRENT ENROLLMENT IS AVAILABLE FROM UVU FOR 11TH & 12 GRADESRS.

**SPANISH IIII****Combined with Spanish AP****1.0 Credit****Grades 10-12****Prerequisite: Spanish III or teacher approval.**

Open to students who have completed the equivalent of Spanish 3 and who are highly motivated to perfect their learning of Spanish and perhaps take the AP examination. They must be willing and able to work consistently on their own with minimum supervision. **CONCURRENT ENROLLMENT IS AVAILABLE FROM UVU FOR 11TH & 12TH GRADAERS.**

SPANISH AP Combined with Spanish IIII**1.0 Credit****Grades 10-12****Prerequisite: Spanish IIII, or pass the admittance test. \$15.00 Technology Fee**

Open to students who are fluent in Spanish and are highly motivated to perfect their language skills in preparation to take the AP exam. The class is conducted entirely in Spanish with emphasis on conversation, literature, grammar, and writing. Taking the AP test is not a requirement.

CHINESE I (Elective only)**1.0 Credit****Grade 9**

In level I, students begin to communicate sufficiently to satisfy basic survival needs and minimum courtesy requirements. They can ask and answer some simple questions, respond to and sometimes initiate short statements and maintain simple conversation. Students understand and interpret written and spoken language on a variety of topics. Students will begin to identify and react to perspectives and practices of the target culture.

CHINESE II (Elective Only)**1.0 Credit****Grades 10-12**

In level II, students develop further communication skills and are able to satisfy most survival needs and limited social demands. They can initiate and sustain a short conversation

on factual topics. They can give autobiographical information and discuss leisure time activities. Students are able to present information and ideas to an audience. They can describe characteristics and behaviors of everyday life in the target culture and they can identify the expressive forms of the culture, such as art, literature, music, and dance.

CHINESE III

1.0 Credit **Grades 10-12**

Chinese III is an advanced language course improving the oral and written skills developed in the first two years of Chinese. Using authentic content based material to teach practical and usable language that can help you to become fluent in the language. The course is designed to help learners achieve the ACTFL proficiency level of Intermediate Mid-Advanced.

CHINESE IIII

1.0 Credit **Grades 10-12**

Chinese IIII is the most advanced Chinese course offered so far. This course will prepare students to be proficient enough in reading, writing, speaking, and listening to take the Chinese AP test, if the student desires to take it. It is not an AP course but will reach levels of equivalent proficiency. Focusing more on the real world application of the language Chinese 4 will explore the options for using the language skills acquired into real life situations.

MATH & APPLIED/ADVANCED MATH CORE

Please give special attention to the prerequisites listed for the class in which you intend to enroll next year. All math courses have prerequisites that need to be satisfied before a student enrolls in a class. The nature of math requires students to master basic concepts from prerequisite courses in order to succeed in the next course. Consequently, we highly recommend that students **retake** a course, when necessary, in order for the student to have the proper tools for success before moving on to the next level of math. Once a student passes a math class, that class cannot be retaken for math Credit. It can, however, be retaken for elective Credit.

If you do not meet the prerequisite requirements for a class that you would like to take, you may still be able to sign up for the class if you have approval from the teacher.

SECONDARY MATH I

1.0 Credit **Grades 10-12**

The main goal of Algebra is to develop fluency in working with linear equations. Students will extend their experiences with tables, graphs, and equations and solve linear equations and inequalities and systems of linear equations and inequalities. Students will extend their knowledge of the number system to include irrational numbers. Students will generate equivalent expressions and use formulas. Students

will simplify polynomials and begin to study quadratic relationships. Students will use technology and models to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will analyze situations verbally, numerically, graphically, and symbolically. Students will apply mathematical skills and make meaningful connections to life's experiences.

*Students who pass Algebra 1 before Grades 9 cannot retake Algebra 1 for **math** Credit in Grades 9-12.*

SECONDARY MATH II

1.0 Credit **Grades 10-12**

Prerequisite: "D" average Grades or better in Secondary Math I

The main goal of Secondary Math II is for students to develop the structure of Euclidean geometry logically and apply the resulting theorems and formulas to address meaningful problems. Students will use experimentation and inductive reasoning to construct geometric concepts, discover geometric relationships, and formulate conjectures. Students will employ deductive logic to construct formal logical arguments and proofs. Students will extend their pre-existing experiences with algebra and geometry to trigonometry and coordinate geometry. Students will use dynamic geometry software, compass and straightedge, and other tools to investigate and explore mathematical ideas and relationships and develop multiple strategies for analyzing complex situations. Students will apply mathematical skills and make meaningful connections to life's experiences.

*Students who pass Geometry before Grades 9 cannot retake Geometry for **math** Credit in Grades 9-12.*

SECONDARY MATH III

1.0 Credit **Grades 10-12**

Students pull together and apply the accumulation of learning that they have from their previous courses, with content grouped into four critical areas, organized into units. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MODERN MATH

1.0 Credit **Grades 10-12**

A bridge between secondary 1 and secondary 2. It will reinforce skills necessary to be successful in secondary 2. This course is designed for those who struggled in secondary math 1, to allow them to move forward and find success. Solving equations, graphing, and factors.

PERSONAL FINANCE

1.0 Credit

12th only

This course is designed to represent the standards of learning that are essential and necessary for all students. The implementation of the ideas, concepts, knowledge, and skills will create the ability to solve mathematical problems, analyze and interpret data, and apply sound decision-making skills. This will enable students to implement the decision-making skills they must apply and use these skills in a hands-on manner to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, employees, employers, inventors, entrepreneurs, and members of a global workforce and society.

COLLEGE PREP MATH

1.0 Credit

Grades 10-12

This course is designed for students who wish to continue their mathematical preparation for college but do not feel ready to move on to Pre-Calculus. Students will continue to acquire the skills needed to be successful in Math 1050 (College Algebra). The focus of the course will be on analysis and use of functions. Topics of study include: Exponents; Polynomial Expressions; Function analysis including: Absolute value, Quadratics, Exponential and Logarithmic, Rational, Radical, and Trigonometric functions; Equations and Systems of Equations; Conic Sections; and Descriptive Statistics. Emphasis will be given to collecting data to motivate the development of the analytical model of each function that will be studied.

Students who plan to take AP Calculus at WLHS should take Pre-Calculus or Honors Pre-Calculus instead of this course.

MATH 1010 CE

.5 Credit

Grades 11-12

Expands and covers in more depth basic algebra concepts introduced in Beginning Algebra. Topics of study include linear and quadratic equations and inequalities, polynomials and rational expressions, radical and exponential expressions and equations, complex numbers, systems of linear and nonlinear equations, functions, conic sections, and real world applications of algebra.

MATH 1050 CE

.5 Credit

Grades 11-12

Includes inequalities, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, conic sections, systems of linear and nonlinear equations, matrices and determinants, arithmetic and geometric sequences, and the Binomial Theorem.

MATH 1060 CE

.5 Credit

Grades 11-12

Includes the unit circle and right triangle definitions of the trigonometric functions, graphing trigonometric functions, trigonometric identities, trigonometric equations, inverse trigonometric functions, the Law of Sines and the Law of

Cosines, vectors, complex numbers, polar coordinates, and rotation of axes.

AP CALCULUS AB

1.0 Credit

Grades 11-12

This course is equivalent to a first semester college calculus course. Topics include limits, derivatives and their applications, integrals and their applications, as well as the calculus of trigonometric, logarithmic, and exponential functions. A heavy emphasis is placed on preparing students to take the advanced placement test. All students taking this course are expected to take the AP calculus exam in May to determine possible college Credit and/or placement.

AP CALCULUS BC

2.0 Credit

Grades 11-12

AP Calculus BC covers the topics generally found in a full year college curriculum calculus course. In addition to the topics of limits, derivatives and their applications, and integrals and their applications, students will study the convergence of series, and the calculus of vectors, parametric and polar curves. A heavy emphasis is placed on preparing students to take the advanced placement test in mathematics.

AP STATS (statistics)

1.0 Credit

Grades 11-12

AP Statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four main themes: 1-Exploring data: describing patterns and departures from patterns; 2-Sampling and experimentation: planning and conducting a study; 3-Anticipating patterns: exploring random phenomenon using probability and simulation; and 4- Statistical references: exploring population parameters and testing hypotheses. Computers as data analysis tools will be used. The AP test markers recommend the use of a graphing calculator for his course as well. Students completing the course will be expected to take the AP Statistics exam at the end of the

year. This course is highly recommended for college bound students in the human, social or physical sciences.

ACCOUNTING I

.5 Credit

Grades 10-12

Students will develop skills beginning with an understanding of the basic elements and concepts of double-entry accounting systems. Skills will include understanding the accounting cycle; entering transactions in journals; posting to ledgers; compiling end-of-period worksheets; adjusting and closing entries, statements, and reports; completing banking activities and payroll systems; and writing and communication examples. Proficiency in the use of the touch system with the electronic calculator is suggested.

ACCOUNTING II

.5 Credit

Grades 10-12

Prerequisite: Accounting I

Students will learn how businesses keep their records. Students develop an understanding of the principles and procedures in handling cash, recording in journals and posting to ledgers, preparing financial reports and handling payrolls. Students learn to systemize information about transactions into accounts and records, verify accuracy of data by applying auditing principles, and operate bookkeeping and calculating machines. Applications of the accounting principles may be learned on the microcomputer as part of the instruction.

MUSIC

GENERAL CHOIR

.5 Credit

Grades 10-12

No Auditions required

No Uniform Fee

General Choir is semester-long, non-auditioned choir class. It is for students who are interested in learning more about choir ensembles, choral techniques, and earning a fine-arts credit, but don't want to be a member of the auditioned performing ensembles. Students may enroll in multiple semesters.

CHORUS (Women's Choir)

1.0 Credit

Grades 10-12

Audition Required

Members are required to participate in all scheduled performances and pay the required class and uniform fees.

These auditioned choirs specialize in vocal technique and choral literature specific to the female voice. It is especially helpful for the sophomore singer as she continues vocal maturation and those students who may not have any prior singing/choral experience. Students will receive a foundation for correct vocal technique, basic music theory, and sight-singing. With these skills, students either learn or reinforce singing in 2-3 part harmony while creating good choral tone. Students also explore a variety of musical styles and genres, and learn how to work together as an ensemble. Members participate in all scheduled choral concerts, and at region festival. These co-curricular activities occur outside or regular school hours. There are class fees and a uniform purchase requirement. Students who successfully audition for the ensemble commit for the entire school year.

CHORUS (Men's Choir)

1.0 Credit

Grades 10-12

Audition Required

Members are required to participate in all scheduled performances and pay the required class and uniform fees.

These auditioned choirs specialize in vocal technique and choral literature specific to the male voice. It is especially helpful for the sophomore singer as he continues vocal maturation and those students who may not have any prior singing/choral experience. Students will receive a foundation for correct vocal technique, basic music theory,

and sight-singing. With these skills, students either learn or re-enforce singing in 2-3 part harmony while creating good choral tone. Students also explore a variety of musical styles and genres, and learn how to work together as an ensemble. Members participate in all scheduled choral concerts, and at region festival. These co-curricular activities occur outside of regular school hours. There are class fees and a uniform purchase requirement. Students who successfully audition for the ensemble commit for the entire school year.

CHOIR – ACAPPELLA

1.0 Credit

Grades 11-12

Prerequisite: Audition. Robe rental fee.

Tour (optional): Cost TBA

This auditioned ensemble strengthens students' musical foundation through performing a variety of musical styles and genres, including movements of major choral works. Members commit to the entire school-year and participate in all scheduled choral concerts, and at region and state festival. These co-curricular activities occur outside of regular school hours. There are class fees and a uniform purchase requirement. Students in A Cappella are also eligible to participate in the Choral Department Spring Tour.

MADRIGALS

1.0 Credit

Grades 10-12

Prerequisite: Audition

Class and Uniform Fee

This high-intensity ensemble is designed for students who are very interested in choral music and will enhance students' knowledge of choral music and their rehearsal and performance etiquette. Members of this ensemble must also be enrolled in a core choir class (A Cappella, Women's or Men's Choir). Students continue to build choral ensemble skills and explore a wide variety of music. This ensemble will participate in all scheduled choral concerts, singing the National Anthem at assigned athletic events, and at region festival. This ensemble will also be involved in the All-State choir and the District Masterwork Festival. There is a uniform fee for Madrigals in addition to the uniform fee for the core ensemble class. Members need to be willing to commit to a weekly sectional rehearsal, as well as all classes and performances. Students should strive to have a minimum of 90% attendance and at least a 2.5 quarterly grade point average. Higher is preferred.

INDEPENDENT MUSIC STUDY

.5 or 1.0 Credit

Grades 10-12

Students must fill out an application and be approved before registering for the course.

Independent music study is a self-guided class where each student will develop a curriculum pertaining to their musical interests through specific goals and refining the art of musical practice. Students who enroll in the class must be participating in a WHS music ensemble or be studying with a private teacher. Students must fill out an application and be approved before registering for the course.

MUSIC APPRECIATION

.5 Credit

Grades 10-12

Music appreciation is a class for those who need fine arts credit but do not have the ability or wish not to participate in a performing ensemble. A comprehensive class, music appreciation begins with basic fundamentals of music theory and evolves into music history, from Bach to The Beatles.

AP MUSIC THEORY

1.0 Credit

Grades 11-12

Prerequisite: By teacher approval only. AP exam: \$86.

Provides students with a more in depth look into music analysis and composition on a level equivalent to a first year college music theory course. Course content will be drawn from the basics of music terminology, analysis, composition and ear-training. Students who enroll must have had some instrumental or vocal experience. Piano skills are helpful but not necessary. **AP exam REQUIRED.**

ORCHESTRA (Open enrollment)

1.0 Credit

Grades 10-12

Prerequisite: At least one year of experience on a string instrument (violin, viola, cello or bass)

Instrument rental fee (if needed—check for instrument availability) Concert Attire Purchase (if needed)

Students will study music intended to strengthen their understanding of fundamental skills and concepts. A smaller class size allows for more personal attention. Designed for players who have not had as much experience, have missed important concepts or skills, or lack confidence in their playing. Expected practice requirement of 30 minutes daily.

ORCHESTRA ADVANCED

1.0 Credit

Grades 10-12

Prerequisite: Audition required in March - April of previous year. Instrumental rental fee (if needed- check for instrument availability) Concert Attire Purchase (if needed) Tour Cost (Optional)

Students will perform a variety of music in concerts, festivals, assemblies, tours, the school musical, and run-out concerts. Designed for advanced string players, the expectations are very rigorous and demanding. Expected practice requirement of approximately 1 hour daily.

ADVANCED JAZZ BAND

1.0 Credit

Grades 10-12

Prerequisite: Teacher Approval Required. Audition Only. Concurrent enrollment in at least one of the concert band or percussion classes (piano, guitar and bass are exempt). \$70 equipment fee required for students who need an instrument. Performance uniform rental may be required.

An advanced ensemble opens to any student by audition who has previously been involved in jazz band. The student must play saxophone, trumpet, trombone, drums, guitar, piano, or bass. Emphasis is placed on performing advanced jazz literature and improvisation. This band will perform at

concerts, festivals, assemblies and some athletic events.

MARCHING BAND

1.0 Credit

Grades 9-12

Prerequisite: Must be concurrently enrolled in one of the concert band or percussion classes.

This class is for any student wishing to receive credit for participating with the *Marching Thunder* at various parades and football games throughout the summer and fall. All performances and practices are required and must be attended to receive full credit. The *Marching Thunder* is the competitive field show (audition only) optional group, that competes at competitions throughout the state and region, and is separate from this marching band class listed here. All rehearsals throughout the summer and fall can be seen on the calendar at thunderband.com.

CONCERT PERCUSSION

1.0 Credit

Grades 10-12 (Auditions required)

Prerequisite: Any previous percussion experience, a participation fee, and equipment rental fee.

Students learn basic rudiments, mallet technique, timpani technique, Latin instruments and basic musicianship. Emphasis is placed on music literacy. Percussion students perform as an ensemble and as the percussion section of the Concert Band at various concerts, festivals, assemblies and games throughout the year. Participation in marching band is encouraged.

INTERMEDIATE PERCUSSION

1.0 Credit

Grades 10-12

(Teacher approval and audition only)

Prerequisite: Any previous percussion experience, participation fee, equipment rental fee.

Percussion students perform as an ensemble and as the percussion section of the symphonic Band at various concerts, festivals, assemblies and games throughout the year. Participation in marching band is encouraged.

ADVANCED CONCERT PERCUSSION

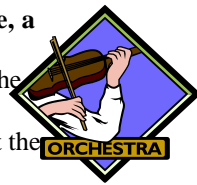
1.0 Credit

Grades 10-12

(Teacher approval and auditions required)

Prerequisite: Any previous percussion experience, a participation fee, equipment rental fee.

Percussion students perform as an ensemble and as the percussion section of the symphonic Band at various concerts, festivals, assemblies and games throughout the year. Participation in marching band is encouraged.



CONCERT BAND

1.0 Credit

Grades 10-12

Prerequisite: Previous experience on a band instrument. Fee is required for students who need to use school equipment.

An intermediate ensemble open without audition to any student who plays a brass or woodwind instrument. Emphasis is placed on building music performance skills in preparation for Symphonic Band auditions. This band will

perform at concerts, festivals, assemblies, and games. Participation in Marching Band is encouraged.

SYMPHONIC BAND

1.0 Credit **Grades 11-12**

Prerequisite: Teacher Approval and Audition only.

An intermediate ensemble, by audition only, for those students who play a brass or woodwind instrument and desire a more competitive and demanding concert band experience. Emphasis is placed on building music performance skills in preparation for Wind Ensemble auditions. This band will perform at concerts, festivals, assemblies, and games. Participation in Marching Band is encouraged.

ADVANCED WIND SYMPHONY

1.0 Credit **Grades 10-12**

Prerequisite: Audition only and teacher approval required.

Membership in this class represents an advanced level of musical achievement and is by audition only. Auditions are open to all brass and woodwind instrumentalists' Grades 10-12. This ensemble is directed toward performing the finest in contemporary traditional, and classic band literature. Students perform at concerts, festivals, assemblies and games. Participation in Marching Band is encouraged.

PHYSICAL EDUCATION



CARDIO JAM

.5 Credit **Grades 10-12**

Additional fee required for this class

Class will emphasize total body fitness through increasing the student's cardiovascular endurance, strength, flexibility and proper weight control. This is a high energy class that is focused on improving present physical condition and less on assignments and tests. Classes will include a variety of conditioning exercises including, Kick Boxing, Yoga, Zumba, Interval Training, Plyometrix, Core Synergistic, Biking, etc.

FITNESS FOR LIFE

.5 Credit **Grades 10-12**

Additional fee required for this class.

Fit for life is an individualized, concepts-based course designed to give the students knowledge and skills necessary to self-assess, create, conduct, calculate, and redesign personal fitness programs. It is a combination of classroom-based and activity-based learning activities. Activities include: exercise ball, medicine ball, jump rope, exercise bands, circuit training, weight training, gymnastics, plyometrics, pull up, push up, sit up, run, etc... Male and Female activities will not necessarily be the same.



LIFETIME ACTIVITIES 1

.5 Credit **Grades 10-12**

Additional fee required for this class.

Uniform fee (shirt & shorts)

Individualized Lifetime Activities is a more specialized class designed to develop a higher life of proficiency and more in depth expertise in up to three different activities. Students will be engaged in activities that they can participate in for the rest of their lives. Activities include swimming, bowling, golfing, biking, tennis, badminton, pickle ball, etc... Male and Female activities will not necessarily be the same.

WEIGHT TRAINING (Male Instructor)

.5 Credit **Grades 10-12**

Additional fee required for this class.

Uniform fee (shirt & shorts)

Class is individually oriented and designed for students to tone, shape, and strengthen the body. Areas of focus will be Weight lifting (Snatch and Clean and Jerk). Power lifting (dead lift, squat, bench) and circuit training.

LADIES WEIGHT TRAINING (Female Instructor)

.5 Credit **Grades 10-12**

Additional fee required for this class

Uniform fee (shirt & shorts)

Class is individually oriented and designed for female students to tone, shape, and strengthen the body. By the end of the course, the female student will be able to create and monitor her own strength training program. Methods used will include: stability balls, strength bands, kettle bells, free weights, machine weights, circuit training and body weight.

ADVANCED WEIGHTS

.5 Credit **Grades 10-12**

Prerequisite: Successful completion of Beginning Weight Training or Instructor approval

Uniform fee (shirt & shorts)

Advanced weight training stresses tone, shape, and strength. Class is individually oriented. This course is designed for those students who wish to expand their knowledge and experience in weight training. Students will be introduced to Olympic lifts, including Power Clean, Clean and Jerk, and Power Snatch. Record keeping using a specific set/repetition system will be used. Concepts in anatomy and physiology which are relevant to weight training will be introduced. This semester-length course is designed for boys and girls who have successfully completed Beginning Weight Training.

LA-CONDITIONING

(Sports Teams)

.5 Credit **Grades 10-12**

Uniform fee (shirt & shorts)

Additional fee required for these classes.

Prerequisite: TRYOUTS REQUIRED

Pre-season sports conditioning Varsity and junior varsity practice during season.

These courses are a means of coping with stress and contributing to the fitness and well-being of the individual. The students in these courses will specialize in a season of competitive sports participation.

SWIM TEAM (CO-ED)

.5 Credit

Grades 10-12

Joining this class makes you a member of the swim team.

Although no prior swimming experience is necessary, EVERYONE will be required to compete at the meets. After school workouts are also part of being a member of the swim team. Workouts may last up until 4:00 pm every day and will include dry land workouts such as strength training and some running in addition to the swim workouts. The swim team also participated in a few fundraisers and service projects throughout the year in which attendance is required. Participants will need to pay the participation and locker fees and will also be required to purchase a team suit and minimal team apparel.

TRACK AND FIELD (CO-ED) (AFTER SCHOOL)

.25 Credit

Grades 10-12

Prerequisite: Coach approval.

Provides competitive training for the track and field athlete. Class includes aerobic fitness training, calisthenics, weight training, skill development, and speed training for region and state competition. Training includes required after school workouts.

CROSS COUNTRY (CO-ED) (AFTER SCHOOL)

.25 Credit

Grades 10-12

Additional fee required for this class.

OTHER TRY OUT SPORTS AVAILABLE AFTER SCHOOL: TENNIS, VOLLEYBALL, BASKETBALL SOFTBALL, BASEBALL, GOLF & SOCCER. (PEA)

.25 Credit

YOU MAY ONLY EARN A TOTAL OF .50 CREDITS IN GRADES 9-12 FOR EXTRA CURRICULAR SCHOOL SPONSORED SPORTS/ACTIVITIES THAT ARE OFFERED AFTER SCHOOL

LA-DANCE I (Beginning)

.5 Credit

Grades 10-12

This is a beginning level dance course that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connections to other curricular areas. No prerequisite course is required.

LA-DANCE II (Intermediate)

.5 Credit

Grades 10-12

This is an intermediate level dance course that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connections to the other curricular areas. The prerequisite for this course is Dance 1.

LA-DANCE III (Advanced)

1.0 Credit

Grades 10-12

This is an advance level dance course that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connection to other curricular areas. The prerequisite for this course is Dance 2.

ALLIANCE PREPRATORY COMPANY/LA-DANCE 3 (Advanced)

1.0 Credit

Grades 10-12

Auditions Only

This is a preparatory dance company that builds dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connections to other curricular areas. This organization involves extra hours spent outside of class time to rehearse for various performances. The prerequisite for this course is an audition.

URBAN DANCE

Grades 10-12

.5 Credit

Urban Dance Class will explore the fundamentals of Hip Hop dancing including popping, waving, gliding, and break dancing. Students will also be exposed to current styles of choreography within the Urban Dance medium. Students will have freestyle, choreography and performance opportunities. Students will need to wear sneakers and loose clothing that allows for a wide range of movement.

LA-DANCE COMPANY (Advanced)

1.0 Credit

Grades 10-12

Audition Only

This Westlake High School's Dance Company will build dance knowledge and skill in technique, improvisation, choreography, artistic expression, performance, history, culture, life skills, and connection to other curricular areas. This organization involves extra hours spent outside of class time to rehearse for various performances. The prerequisite for this course is an audition.

LA-Cond/CHEERLEADING

1.0 Credit

Grades 10-12

Prerequisite: 3.0 Grades point average

Tryouts required.

Limited to selected cheerleaders. Students will plan activities and pep assemblies as well as rehearse routines for the various athletic functions. There will also be a summer fee and all elected cheerleaders will be required to go to summer camp. Class will be held during B4 until 4:30 p.m. (Practice may be held daily until 4:30pm)

This is a competitive athletic sport; cheerleaders should expect to work hard.

LA-Cond/ DRILL TEAM

1.0 Credit

Grades 10-12

Prerequisite: "B" average & tryouts required.

Drill team is physically and time demanding. Part of class Grades will be determined by extra-curricular attendance and after school activities. Drill team is a performing and competitive group.



SCIENCE & APPLIED/ADVANCED SCIENCE CORE

<u>Biological Sciences (SC1)</u> Biology Biology-Agricultural Sci. AP Biology Human Biology	<u>Chemistry (SC2)</u> Chemistry AP Chemistry
<u>Earth (SC3)</u> Earth Systems	<u>Physics (SC4)</u> Physics Physics with Technology AP Physics (B & C)

Two core science Credits are required for high school graduation. **However, most colleges and universities require 3 science Credits to be considered for admission.** Each of the two core classes must come from different quadrants in the chart below. (Example: Earth Systems and Biology.) If a science course is taken for a science/math Credit, then it may be taken from any of the 4 quadrants.

EARTH SYSTEMS

1.0 Credit

Grade 9-12

Life and physical science content are integrated in a curriculum with a theme of "systems". Earth Systems emphasizes systems as an organizing concept to understand life on Earth, geological change, and the interaction of the atmosphere hydrosphere, and biosphere. Earth Systems provides students with an understanding of how the parts of a system interact. The concept of matter cycling and energy flowing is used to help understand how systems on planet Earth are interrelated.

BIOLOGY

1.0 Credit

Grades 10-12

Students will study the functions of atoms and molecules in the chemistry of cells, the structure and function of the cell itself, and how a cell functions as a system. Students will analyze how genetic information is passed from one cell to another, and the significance and impact of genetic alteration on living organisms. Students will explore biological diversity, analyze characteristics of ecosystems and the interdependence of organisms with each other and their environment. Hands-on, student-centered activities allow students to explore the relevancy of biology in their everyday lives.

BIOLOGY AGRICULTURE SCIENCE & TECHNOLOGY

1.0 Credit

Grades 10-12

Designed to meet the requirement for biological science Credit. The standards and objectives for this course are the same as the standards and objectives for biology, the only difference being the degree of emphasis on agriculture. Students completing this course will become cognizant of current technologies, methods, and changes in agricultural science and are expected to know and apply the standards outlined in the core curriculum as they relate to the industry of agriculture.

AP BIOLOGY

1.0 Credit

Grades 10-12

Previous course work in biology and elementary algebra is recommended along with other sciences. This is a college level course and students will have the opportunity to take the AP exam. Course emphasis includes molecular biology, cellular biology, organism biology, and population biology. Highly recommended for students pursuing careers in medicine, forestry, genetics, microbiology or biochemistry.

ANIMAL SCIENCE

1.0 Credit

Grades 10-12

Exposes students to a wide range of scientific principles such as genetics, anatomy, physiology, nutrition, diseases, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. This course will cover a wide range of animals from cows and horses to dogs, rabbits and hamsters. Career opportunities and educational preparation are examined. Learning activities are varied with classroom, laboratory, and field experiences. The course will include agricultural leadership.

EQUINE SCIENCE

.5 Credit

Grades 10-12

This course prepares students to care for horses and horse equipment; to train horses for various work and athletic or entertainment roles; and to manage horse training breeding and housing programs and facilities. Students will also cover horse sciences which include genetics, anatomy, physiology/nutrition, diseases and pests. Learning activities are varied, with classroom, laboratory, and field experiences emphasized to care for the horses and horse equipment.

VET ASSISTING

1.0 Credit

Grades 10-12

This course provides the opportunity for students to explore different avenues of the veterinary profession. Students will be exposed to veterinary science and principles which include anatomy, physiology, chemistry, animal health and disease, dentistry and laboratory procedures. Students will provide hands-on care as they develop skills in the area of surgical assisting, bandaging, wound care, oral care and general nursing care.

ENVIRONMENTAL SCIENCE

1.0 Credit

Prerequisite: Biology

Environmental Science is the study of the Earth's surface, including its water and atmosphere, with a particular focus on their relationship to humans and other living things.

Environmental Science applies chemistry, physics, mathematics and biology to answer questions about the Earth and its interrelationships with living things.

Successful completion of this course provides ENVT 1110 Introduction to Environmental Management concurrent enrollment credit at UVU. ENVT 1110 is a core Physical Science class that counts towards an Associate Degree.

ZOOLOGY

.5 Credit

Grades 10-12

Students will study the diversity of animal life. They will analyze the hierarchical organization of animal complexity and contrast this to the classification of animal species.

Students will explore the great diversity of animal species beginning with simple invertebrate animals up through the complex vertebrates. The principles of natural selection will be reviewed in order to evaluate the anatomical features of animals and how species physically adapt to their environment in order to survive. The detailed behavior of animals including learning, dominance, and communication will be explored. Current global environmental trends that threaten the survival of species will be addressed. Hands-on, student-centered activities will allow students to become more aware of the fascinating science of zoology.

CHEMISTRY

1.0 Credit

Grades 10-12

Prerequisite: Completion of or concurrent enrollment in Algebra 2.

Chemistry is a physical and *mathematical* science. We will focus on problem solving and quantitative relationships throughout the course. In chemistry we study matter: changes in matter, the structure of matter, states of matter, mixtures of matter as well as periodic law, chemical formulas and reactions, kinetics, acids/bases and pH, gases. Students should have good study habits and a competent command of Algebra skills. This course is recommended for university-bound students seeking a four-year degree.

AP CHEMISTRY

1.0 Credit

Grades 10-12

Prerequisite: Algebra 2, Chemistry.

This course is equivalent to first year (2 semesters) inorganic chemistry at a university. Concepts from CHEMISTRY are covered with a more in-depth, mathematical approach. Electrochemistry, equilibrium, thermodynamics, coordination chemistry, and chemical analysis are also covered. A great emphasis is placed on problem-solving and laboratory skills. Extra time will be spent during Advisory Period in order to have enough time for laboratories. This class is an excellent preparation for college and is strongly recommended for students serious about pursuing higher

education at the university level. Passing the AP Chemistry class will allow students to fulfill two physical and mathematical science Credits toward their Associates Degree.

BIOTECHNOLOGY

1.0 Credit

Prerequisite: Biology or Chemistry with a grade of at least a B. AP Biology is recommended.

This course will provide an introduction to the biotechnology industry, with an emphasis on current applications in medicine, forensics, tissue engineering, and cloning. Topics will cover the basic principles of DNA and protein structure, function, and analysis. The Labs will provide hands on experience for basic and common biotechnology laboratory techniques such as lab safety, aseptic techniques, preparation of solutions, cell culturing, PCR protocols, DNA sequencing, gene expression technology, etc.

MEDICAL TERMINOLOGY

.5 Credit

Grades 10-12

Medical Terminology is a one-semester course that helps students understand the Greek and Latin based language of medicine and healthcare. Emphasis is placed upon word roots, suffixes, prefixes, abbreviations, symbols, anatomical terms, and terms associated with movement of the human body. This course also stresses the proper pronunciation, spelling and usage of medical terminology. This class is helpful to anyone considering going into the healthcare field.

EMERGENCY MEDICAL RESPONDER

.5 Credit

Grades 10-12

This semester course provides students with advanced emergency medical information and skills. The course introduces students to a variety of career options in emergency medicine.

MEDICAL ANATOMY AND PHYSIOLOGY

1.0 Credit

Grades 10-12

The class will examine the normal structure of the human body. The student will develop a working knowledge of homeostasis and pathology. Innovative laboratory exercises such as examination of cadavers and dissection will be used to help the student become familiar with clinical procedures and medical disorders. This class is a must for any student going into professions such as nursing, physical therapy, medicine, or dentistry.

PHYSICS

1.0 Credit

Grades 10-12

Prerequisites: Concurrent in Algebra 2 or higher.

Students will analyze motion and forces using Newton's Law, investigate energy and energy transformations, and describe periodic motion and waves. Hands-on, student centered activities allow students to better interpret and understand the physical world. This course is especially suitable for the college bound student interested in medicine

or science/engineering majors.

This class is for any student that is taking Algebra 2 right now or any student who is taking Pre-calculus and does not plan to move on to Calculus. Any student that plans to seek a 4-year degree should take this physics class.

Career goal keywords: (pre-med, nursing, business, any 4 year degree) **At the end of this course the students will have a base knowledge that will give them the option of taking the AP Physics B Exam.**

PHYSICS with TECHNOLOGY 1

1.0 Credit

Grades 10-12

Prerequisite: Secondary Math 1 or higher.

Physics with Technology fulfills a core science requirement or CTE elective, utilizing a “hands-on” learning approach, and emphasizing practical applications. CTE Skills Certification is a critical component of the course standards. Some activities may include: measuring forces, specific gravity, voltage, temperature, working with pulleys, machines, pumps, motors, energy in springs, flywheels, heat exchange. Emphasis is on the principles of force, work, rate, resistance, and energy as they relate to the four energy systems (mechanical, fluid, electrical, and thermal). This course is not only designed for the college-bound, but for those interested in technical careers as well. Concurrent Enrollment Credit may be offered. Participation in the Technology Student Association (TSA) is encouraged.

AP Physics I Algebra based

1.0 Credit

Grades 10-12

Prerequisite: Algebra II or its equivalent (Secondary Math 2).

AP Physics 1: Algebra based is the equivalent to a first semester college course in algebra based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.

AP PHYSICS - C

1.0 Credit

Grades 10-12

Prerequisite: Concurrent enrollment in or completion of Calculus AB or BC.

Course is equivalent to a first semester calculus based college physics (Physics for Scientists and Engineers). It is a practical course dealing with the principles of motion, dynamics, work and energy. Emphasis is placed on problem solving; therefore students must have a solid background in math. This course is highly recommended for college bound students entering a science, computer science or engineering program and all calculus students. Students should plan on taking the AP Physics C Exam for college Credit. Students taking BC Calculus **must** take this class. **Career goal keywords:** (scientist, engineer, computer science, ROTC, major 4 year university).

SOCIAL STUDIES

GOVERNMENT & CITIZENSHIP

.5 Credit

Grades 11-12

(Graduation requirement)

The goal of this course is to foster informed, responsible participation in public life. Knowing how to be a good citizen is essential to the preservation and improvement of United States democracy. Upon completion of this course, the student will understand the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system. This course is recommended for seniors due to their proximity to voting and draft age.

GOVERNMENT AND POLITICS AP

1.0 Credit

Grades 11-12

Prerequisite: Good understanding of US History and teacher approval.

This course moves at a college level and covers the foundations, structure and operations of the U.S. Government. It is combined with the study of comparative world politics with an emphasis on the governments of China, Iran, Nigeria, Mexico, United Kingdom, European Union, and Russia. Students will gain an understanding of the governmental and legal systems of the United States and insight into the governments of major countries. This is a course that prepares the advanced students for the AP exams in May.



PSYCHOLOGY

.5 Credit

Grades 10-12

This course is a survey of basic concepts and methods of psychology as a behavioral science and seeks to develop an understanding of the individual and social forces that influence and direct behavior. Throughout the semester we will discuss the foundations, methods, concepts, and career opportunities in psychology as well as emotion, motivation, personality, and psychological disorders.

PSYCHOLOGY AP

1.0 Credit

Grades 10-12

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. ***This class is a college level course for advanced students who are academically motivated and desirous of taking the AP exam.***

Students will study society, one's role in it, issues and problems, social change, and social movements. It includes a study of basic institutions & social organizations.

SPORTS PSYCHOLOGY

.5 Credit

This class provides an overview of psychological theory and research as it relates to sport and performance at the individual and group levels, and specifically focuses on the application of this theory and research to the student's immediate sport and/or performance goals. By the end of this course, you will: (1) **UNDERSTAND** contemporary perspectives used by sport psychologists and coaches to understand behavior and mental processes of athletes and performers. (2) **DEMONSTRATE KNOWLEDGE** of various sport psychological topics, including motivation, focus, mental toughness, visual imagery, teamwork, confidence, and the history of sport psychology. (3) **APPLY** the skills and concepts to your own sport, exercise routine, or performance goals. (4) **IMPROVE THINKING SKILLS/WRITING SKILLS** through daily writing practice. (5) **ACTIVELY PARTICIPATE** in our community of learners, and **APPRECIATE** the contributions of class members to your own learning. (6) **RECOGNIZE AND VALUE** the connection of our topics to your own life.

UNITED STATES HISTORY II

1.0 Credit

Grades 10-12

(Graduation requirement)

This course emphasizes a study of the history of the United States since the era of Reconstruction following the Civil War to the present—focusing on political, economic, and social events related to industrialization and urbanization, major wars, domestic and foreign policies of the Cold War and post-Cold War eras, reform movements (including the progressive and Civil rights movements). Students will identify ways to solve problems, make decisions, and participate as a responsible citizen of the United States, while developing basic tools of historical interpretation, research, and analysis.

AP UNITED STATES HISTORY

1.0 Credit

Grades 11-12

Prerequisite: United States History or teacher approval.

The AP course in United States Government and Politics will give students an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

CURRENT ISSUES

1.0 Credit

Grades 11-12

Prerequisite: U.S. History II

Students will examine and discuss current issues in the world today. Using knowledge of Social Studies, they will draw similarities between current events, and events in the past. In addition, students will use their knowledge to make predictions about how the world might change in the future and discuss ways that they, citizens of the United States, can affect positive changes in society.

MODERN WORLD HISTORY

.5 Credit

Grades 10-12

Course will examine and analyze events and themes from the period of the 1400s onward. Course will cover events in Europe, Asia, Africa, Latin America, and North America. Course will create ties to the past events and current problems in the international community. This course fulfills either the World Civilization Credit or elective Social Studies Credit.

ANCIENT WORLD HISTORY

.5 Credit

Grades 10-12

This course will take the place of 9th Grades World Civilization Credit. This course will be focused primarily on studying the people, events, and mythologies of ancient Egypt, Greece, Rome, China, Native Americans, and Middle Ages.

AP WORLD HISTORY

1.0 Credit

Grades 11-12

Prerequisite: Good Understanding of World History and teacher approval.

Course covers human history since the emergence of modern humans up to the present. The class examines six overarching themes: impact of societal interactions, change and continuity across world history periods, impact of technology and demography, social and gender structures, cultural and intellectual developments, and functions and structures of states. This class is a college level course for advanced students who are academically motivated and desirous of taking the AP exam and receiving college Credit.

ELECTIVE CLASSES

COLOR GUARD (Before and/or after school)

(Torgete - dance & twirling ensemble)

1.0 Credit

Grades 10-12

Prerequisite: Tryouts required. Fees not to exceed \$350 for fall and winter.

Class provides a broad training in many different elements of dance, drill and equipment execution. Includes involvement in three types of elaborate productions. Participation in all performance exhibitions and competitions around the state is expected.

PEER TUTOR**.5 Credit****Grades 10-12**

Designed to offer students a unique learning experience. Peer tutors are provided with the opportunity to work with and develop relationships with students in the Life Skills class room who have varying disabilities. Students will be peer models of acceptable behavior and work skills. Students will also have the opportunity to teach students in the Life Skills classroom functional academic, social and vocational skills.

SEMINARY (Released Time)**No Credit****Grades 10-12**

A student may be released from one regular class period each semester to receive religious instruction. Attendance rules are applicable in seminary.

STUDENT COUNCIL**1.0 Credit****Grades 10-12****After School**

Prerequisite: Teacher approval. Course designed for elected student body and class officers. Students will plan and provide, and /or manage school wide activities to create school and community spirit.

MEDIA AIDE**.5 Credit****Grades 11-12**

Prerequisite: must have teacher and counselor approval on written application and 3.0 GPA. A student may be an aide **one period only.**

Students who have earned most of his/her graduation requirement Credits may desire additional work in a subject area by asking a teacher to select him/her as a student aide. If the request is granted the student will help the teacher by doing tasks related to the subject.

OFFICE AIDE**.5 Credit****Grades 11-12**

Prerequisite: must have teacher and counselor approval on written application and 3.0 GPA.

A student may be an aide **one period only.** Students who have earned most of his/her graduation requirement Credits may desire additional work in a subject area by asking a teacher to select him/her as a student aide. If the request is granted the student will help the teacher by doing tasks related to the subject.

TEACHER AIDE**.5 Credit****Grades 11-12**

Prerequisite: must have teacher and counselor approval on written application. A student may be an aide **one period only.**

Students who have earned most of his/her graduation requirement Credits may desire additional work in a subject area by asking a teacher to select him/her as a student aide. If the request is granted the student will help the teacher by doing tasks related to the subject.

PEER LEADERS (Latinos in action) (LIA)**Prerequisite: Teacher approval**

Is a class/program that inspires bilingual students to utilize their language skills in supporting their school and district community and propels these students toward a career through education. Its purpose is to provide a K-16 pipeline support system. LIA Students at the High and Junior High School serve as role models and Para-educators in their local Elementary and Junior High Schools. Latinos In Action provides opportunities for Latino High School Bilingual students to serve in their own communities. Along with the tutoring, these Para-professional students serve as translators during their parent/teacher conferences as well as the elementary level parent/teacher conferences.

The bilingual students who are in Latinos In Action learn the importance of serving others and are able to succeed academically in the process. Students also explore and express their culture through traditional Folklore dances and modern Latin numbers.

STAGE CREW**1.0 Credit****Grades 10-12****Prerequisite: Must have teacher approval**

Stage crew allows students to gain knowledge of the technical aspects of a working theatre. They will have the opportunity to work in lights, sound, costumes, scenic painting, and set construction. Students will work in small groups supervised by the Technical Director. Each student is required to work 20 hours per term outside of class. Students are responsible to staff school assemblies, pageants and other community events, school productions and concerts, and any other event that is held in the auditorium. **THERE IS A SUBSTANTIAL AMOUNT OF EXTRA-CURRICULAR TIME INVOLVED IN THIS CLASS.** Students should be prepared for after school time invested in this course.

LA-BALLROOM TEAM**1.0 Credit****Elective Only****Grades 10-12****Prerequisite: Audition.**

Mastery of step patterns, movement, quality, and style will be emphasized. Team members will compete in individual competition, team formation competitions, and other performances throughout the school year.

LA-BALLROOM I**.5 Credit****Grades 10-12**

This co-ed dance class teaches various forms of American style social dancing. All of the social dances taught are designed to give students dance experience that they can share and enjoy on any social dance occasion. Emphasis is placed on the foxtrot, cha cha, waltz, and triple swing. Students will be required to participate in social dance(s) and the Westlake Ballroom Concert(s).

LA-BALLROOM II

.5 Credit

Grades 10-12

Prerequisite: Pass the Ballroom 1 class

This co-ed dance class teaches various forms of Ballroom Dance this may include, but is not limited to; Samba, Cha Cha, Rumba, Jive, Swing, Paso Doble, Tango, Waltz, Viennese Waltz, Quickstep, Foxtrot and others as time permits. No prior dance experience is required. Proper dance shoes are encouraged. Appropriate attire and footwear will be explained the first day of class. Instructor may also be contacted to answer footwear and attire questions. Students will be required to participate in social dance(s) and the Westlake Ballroom concert(s).

LA-BALLROOM III

.5 Credit

Grades 10-12

Prerequisite: Ballroom 1 or 2

This co-ed dance class expounds on the various forms of Ballroom Dance taught in Ballroom 2. This may include, but is not limited to; Samba, Cha Cha, Rumba, Jive, Swing, Paso Doble, Tango, Waltz, Viennese Waltz, Quickstep, Foxtrot and others as time permits. Proper ballroom dance shoes are required. Appropriate attire and footwear will be explained the first day of class. Instructor may also be contacted to answer footwear and attire questions. Students will be required to participate in social dances and the Westlake Ballroom.

AGRICULTURE

AGRICULTURAL COMMUNICATION AND LEADERSHIP

1.0 Credit

Grades 10-12

Students will learn skills needed to manage an agricultural business. The course should be taught as a part of a sequence of courses related to a specific technical area, i.e. animal science or plant science. Instruction includes economic business principles and structures, business enterprise analysis, accounting, taxes, insurance, productivity, financing, capital resources, purchasing, government programs, commodity groups, contracts, estate planning, marketing, salesmanship, and the supplication of computer hardware and software in agriculture.

AGRICULTURAL SYSTEMS AND TECHNOLOGY I (AG MECHANICS I)

1.0 Credit

Grades 10-12

Students will develop knowledge and skills in the application of principles and techniques of power, structural, and technical systems used in the agricultural industry, particularly agricultural production and service. Instruction includes classroom and laboratory learning and the application of the concepts taught through supervised agricultural experience. Students will develop basic skills in areas of hot and cold metal work, tool reconditioning, plumbing, and painting, bill of materials preparation, small

gas engines, and welding. The basic practices associated with soil and water management are included; Safety and proper use of tools and equipment will be emphasized.

AGRICULTURAL SYSTEMS AND TECHNOLOGY II (AG MECHANICS II)

1.0 Credit

Grades 10-12

Students will develop knowledge and skills in the application of principles and techniques of power, structural, and technical systems used in the agricultural industry. Emphasis will be on selecting, operating, maintaining, servicing, and using agricultural power units and equipment. The course also includes agricultural uses of concrete and electricity. Safety and the proper use of safe practices will be integrated throughout the instruction. The instructional method will involve applications of concepts being taught through classroom and laboratory instruction and supervised agricultural experience. *NOTE: This course builds on knowledge and skills developed in Agricultural Systems and Technology I*

ANIMAL SCIENCE

1.0 Credit

Grades 10-12

Exposes students to a wide range of scientific principles such as genetics, anatomy, physiology, nutrition, diseases, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. This course will cover a wide range of animals from cows and horses to dogs, rabbits and hamsters. Career opportunities and educational preparation are examined. Learning activities are varied with classroom, laboratory, and field experiences. The course will include agricultural leadership.

PLANT AND SOIL SCIENCE 1

1.0 Credit

Grades 10-12

Students will develop knowledge and skills in a wide range of scientific principles, such as genetics, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized.

EQUINE SCIENCE

.5 Credit

Grades 10-12

This course prepares students to care for horses and horse equipment; to train horses for various work and athletic or entertainment roles; and to manage horse training breeding and housing programs and facilities. Students will also cover horse sciences which include genetics, anatomy, physiology/nutrition, diseases and pests. Learning activities are varied, with classroom, laboratory, and field experiences emphasized to care for the horses and horse equipment.

BIOLOGY AGRICULTURE SCIENCE

1.0 Credit **Grades 10-12**

Designed to meet the requirement for biological science Credit. The standards and objectives for this course are the same as the standards and objectives for biology, the only difference being the degree of emphasis on agriculture. Students completing this course will become cognizant of current technologies, methods, and changes in agricultural science and are expected to know and apply the standards outlined in the core curriculum as they relate to the industry of agriculture. The course will include agricultural leadership.

FLORAL DESIGN

.5 Credit **Grades 10-12**

Prepares individuals to produce, process, and market plants used primarily for ornamental, recreational, and aesthetic purposes and to establish, maintain, and manage horticulture enterprises such as floriculture, and greenhouse operation and management. Course will include practical applications in the area of retail floriculture. Instruction includes hands-on activities involving basic design principles and elements. This course will also include instruction in field and laboratory applications. The course will include agricultural leadership.

VET ASSISTING

1.0 Credit **Grades 10-12**

This course provides the opportunity for students to explore different avenues of the veterinary profession. Students will be exposed to veterinary science and principles which include anatomy, physiology, chemistry, animal health and disease, dentistry and laboratory procedures. Students will provide hands-on care as they develop skills in the area of surgical assisting, bandaging, wound care, oral care and general nursing care.

LANDSCAPE MANAGEMENT

.5 Credit **Grades 10-12**

Students will develop knowledge and skills that will provide a foundation for courses in animal science, plant science, horticulture, natural resources, agricultural systems and technology, or Ag Science II. Topics covered will be basic animal, plant, and soil science, natural resources, food science technology, agribusiness, personal and leadership development, and agricultural career awareness. Through this course, students will develop agricultural literacy.

GREENHOUSE MANAGEMENT

.5 Credit **Grades 10-12**

Students will develop knowledge and skills related to the floriculture industry. Floral design and greenhouse operations and management will be the primary units of study. Students will be prepared to create floral arrangements, produce commercial plant species in a controlled environment, and manage commercial and experimental greenhouse operations.

SUMMER VOCATIONAL AG PROGRAM (SUMMER AG PROGRAM)

.5 Credit **Grades 10-12**

This program is an intensive, individualized, and experiential education experience that includes the practical application of the formalized instructional competencies. Teacher supervision of the student's summer vocational agriculture (SAE) program should be a major part of the summer program. Regular work with the Utah agriculture science and technology record book is required as well as student leadership development. All summer applied technology agricultural education programs must be in compliance with state standards for summer applied technology agricultural education programs.

AGRICULTURE WORK EXPERIENCE

May earn up to 2.0 Credits **Grades 11-12**

Prerequisite: Related class and teacher approval.

Program offers on-the-job training and experience that is directly related to student career goals. It is designed to bridge the gap between school and work. Students will have a training plan, adequate supervision by a school/district coordinator and will be paid according to state and federal labor laws. **You must be enrolled in an agriculture class.**

BUSINESS & MARKETING

ACCOUNTING I

.5 Credit **Grades 11-12**

Students will develop skills beginning with an understanding of the basic elements and concepts of double-entry accounting systems. Skills will include understanding the accounting cycle; entering transactions in journals; posting to ledgers; compiling end-of-period worksheets; adjusting and closing entries, statements, and reports; completing banking activities and payroll systems; and writing and communication examples. Proficiency in the use of the touch system with the electronic calculator is suggested.

ACCOUNTING II

1.0 Credit **Grades 11-12**

Students will learn how businesses keep their records. Students develop an understanding of the principles and procedures in handling cash, recording in journals and posting to ledgers, preparing financial reports and handling payrolls. Students learn to systemize information about transactions into accounts and records, verify accuracy of data by applying auditing principles, and operate bookkeeping and calculating machines. Applications of the accounting principles may be learned on the microcomputer as part of the instruction.

BUSINESS WORK EXPERIENCE

May earn up to 2.0 Credits **Grades 11-12**

Prerequisite: Counselor and teacher approval.

Program offers on-the-job training which is correlated with the in-school related instruction and is designed to bridge the gap between school and work. The training will be directly related to the students' career goals. Students will have a training plan, adequate supervision by a school coordinator and will be paid according to the state and federal labor laws. **A business related course must be taken.**

SPORTS MARKETING (CTE)

.5 Credit

Grades 10-12

This is an introductory course which will help students develop a thorough understanding of the marketing concepts and theories that apply to sports and sporting events. The areas this course will cover include basic marketing, target marketing and segmentation, sponsorship, event marketing, promotions, sponsorship proposals, and sports marketing plans. This course will also delve into the components of promotion plans, sponsorship proposals and the key elements needed in sports marketing plans.

RETAILING

.5 Credit

Grades 10-12

Retailing is a program that will prepare the student to operate businesses that sell, rent, or lease goods and services. This course will provide insight into the theory behind buying, selling, storing, pricing, promoting, displaying, financing, and other activities necessary for successful business operations.

ECONOMICS

.5 Credit

Grades 10-12

This course focuses on the study of economic problems and the methods by which societies solve them. Characteristics of the market economy of the United States and its function in the world and methods of applying economics to one's life will be explored.

LEADERSHIP PRINCIPLES

.5 Credit

Grades 11-12

This class teaches how to be an effective leader. Concepts include: goal setting, motivation, team building, time management, conflict resolution, communication, ethics, diversity and much more. ***Students may be eligible to receive three (3) credits of concurrent enrollment at Utah Valley University (UVU).***

ENTREPRENEURSHIP

.5 Credit

Grades 10-12

Students will gain an understanding of the marketing and management principles necessary to start and operate their own business. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system. Entrepreneurship is designed for students interested in business and marketing who want to

develop the skills, attitudes, and knowledge necessary for successful entrepreneurs.

MARKETING WORK EXPERIENCE

May earn up to 2 Credits

Grades 11-12

Prerequisite: Counselor and teacher approval. Must be enrolled in a marketing class and maintain a "C"

Grades. Job must closely relate to subject material taught in class.

Program offers on-the-job training which is correlated with the in-school related instruction and is designed to bridge the gap between school and work. The training will be directly related to the students' career goals. Students will have a training plan, adequate supervision by a school/district coordinator and will be paid according to state and federal labor laws.



FAMILY & CONSUMER SCIENCE

CHILD DEVELOPMENT

.5 Credit

Grades 10-12

This course provides an excellent opportunity for young men and women to gain an understanding of how children grow and develop. They learn the value and importance of the dedicated participation of both fathers and mothers in helping children reach their full potential. Topics covered include parenting skills, positive guidance, prenatal development, healthy environments; and the growth and positive care of infants, toddlers, and preschoolers. Students participate in preparing and presenting quality learning games and activities. The class culminates with a preschool in which students participate together to plan and carry out learning activities and games for young children.

EARLY CHILDHOOD EDUCATION I

1.0 Credit

Prerequisite: Completion of Child Development

This yearlong course prepares individuals for child related careers and/or more extensive parenting skills through personal interaction with children. Instruction is given in developing positive relationships with and learning experiences for children, childcare policies and management, guidance techniques, and health and safety concerns. On-site preschool and/or child care experiences will be a major component of the course. **Previous completion of the Child Development course is REQUIRED.**

EARLY CHILDHOOD EDUCATION II

1.0 Credit

The primary focus of this class is to complete steps to apply for the Child Development Associate (CDA) credential

through hands-on, on-site early childhood education experience. This course prepares individuals for careers and entrepreneurial opportunities in early childhood education. Experiences include: Program planning and management, resource and facility management, peer mentoring, supervising recreational and play activities, and preparing, implementing and evaluating learning experiences for children. FCCLA may be an integral part of the course. This class may be repeated as students work to complete their CDA requirements. **Child Development and ECE 1 – Yearlong or ECE 1A Curriculum and ECE 1B Lab semester courses are REQUIRED prerequisites before enrolling in this advanced course.**

EARLY CHILDHOOD INTERN

1.0 Credit

The primary focus of this class is hands-on, off-site early child development experiences. This course prepares individuals for careers related to early childhood education. Experiences include: program planning and management, resource and facility management, supervising recreational and play activities, preparing and implementing a large variety of learning experiences for children, the application of individual teaching skills, and preparation for a career and/or entrepreneurial opportunities.

APPAREL DESIGN & PRODUCTION 1

(Formerly known as CLOTHING I)

.5 Credit

Grades 10-12

Supply cost dependent on student use

In Clothing I you'll master the basics of sewing and making clothes to suit your personal taste and budget. Guaranteed to take the frustrations out of sewing. Projects may include; fashion garments, backpacks, denim items, polar fleece vests, quilts, accessories and home decor items. Embellishing techniques, embroidery computer technology and serger machine methods are taught. Sewing is a skill you will be happy you learned. Student leadership (FCCLA) may be an integral part of this course.

APPAREL DESIGN & PRODUCTION II

(Formerly known as CLOTHING II)

.5 Credit

Grades 10-12

Supply cost dependent on student use

This course is designed to allow students to develop clothing construction and consumer skills. Students of all skill levels will explore fabric selection, sewing skills, and clothing care. Student leadership (FCCLA) will be an integral part of this course.

SPORTS & OUTDOOR PRODUCT DESIGN I

(Formerly known as SPORTS SEWING)

.5 Credit

This course teaches students basic construction skills, but is specialized to concentrate on specific fabrics or projects such as outdoor clothing or sports clothing. The basic standards, objectives and indicators as listed in Clothing 1 should be taught in this course. Students enrolled in this course may

qualify to take the state skill certification test #350. Student leadership (FCCLA) may be an integral part of this course.

FASHION DESIGN STUDIO

(Formerly known as FASHION STRATEGIES)

.5 Credit

This course explores how fashion influences everyday life and introduces students to the fashion industry. Topics covered include: fashion fundamentals, elements and principles of design, textiles, consumerism, and fashion related careers, with an emphasis on personal application.

TEXTILE DESIGN ENTREPRENEURSHIP

Prerequisite: APPAREL DESIGN I or II and SPORTS & OUTDOOR PRODUCT DESIGN)

.5 Credit

Grades 11-12

This course is designed to focus on entrepreneurial opportunities and careers in design fields. Experiences may include pattern design, surface design, clothing construction and manufacturing, fitting and alteration, and interior fabrication. The study and application of textile sciences and technology in this course provides students with laboratory-based experiences that will strengthen their comprehension of concepts and standards outlined in Science, Technology, Engineering and Math (STEM) education. Student leadership (FCCLA) may be an integral part of the course. Note: Students can repeat the course for credit as they work towards certification.

ADULT ROLES & RESPONSIBILITIES

.5 Credit

Grades 11-12

This course prepares students for the adult world. Learning to identify personal values, set goals, make decisions, and communicate along with addressing critical issues such as dating, teen pregnancy, abuse, and loss are discussed. Time, money and crisis management are addressed particularly as each impacts relationships, marriage and preventing throughout the life cycle. Emphasis is placed on uniqueness, accepting responsibility, and seeking positive alternatives. Student leadership (FCCLA) may be an integral part of this course.

FOODS AND NUTRITION I

.5 Credit

Grades 10-12

This course is designed for students who are interested in understanding the principles of nutrition and in maintaining a healthy life style. Attention will be given to the selection and preparation of food and personal health and well-being. Students will learn proper measuring and preparation techniques. Students will also be taught appropriate care and use of kitchen equipment and food safety procedures. Classroom work and cooking labs are a part of this course. Students are introduced to FCCLA as part of this course through a class project.

FOOD AND NUTRITION II

.5 Credit

Grades 10-12

This course is designed for students who are interested in

understanding the principles of nutrition and food preparation. Attention will be given to the selection and preparation of food and personal health. This is an introductory course for students wanting to take ProStart. Class cooking competitions are a part of this course. Students are introduced to more advanced culinary terms, knife skills and sauce making. Students will become more familiar with FCCLA.

PRO START 1ST AND 2ND YEAR (FOOD SERVICE/CULINARY ARTS)

1.0 Credit **Grades 11-12**

Prerequisite: Foods I and II. Students must apply to be in this course through obtaining an application from the teacher.

This advanced course from the National Restaurant Association introduces students to careers in the restaurant industry. Basic communication skills; safety and sanitation, food preparation, meal planning, customer service, culinary terms and other topics are taught in this course. Students run a class business which gives the students hands on experiences in the Food Service Industry. FCCLA is an integral part of this course. Students are given competition and scholarship opportunities. *Students can earn concurrent enrollment credit through UVU.*

INTERIOR DESIGN I

.5 Credit **Grades 10-12**

Students will explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized. Other topics included are furniture arrangement basics, floor plan evaluation, area planning and careers. Class projects will provide applications in the study of: architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting. FCCLA will be an integral part of the course.

INTERIOR DESIGN II

.5 Credit **Grades 10-12**

Students will explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized. Other topics included are furniture arrangement basics, floor plan evaluation, area planning and careers. Class projects will provide applications in the study of: architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting. FCCLA will be an integral part of the course.

FAMILY & CONSUMER SCIENCE WORK EXPERIENCE

May earn up to 2.0 Credits **Grades 11-12**

Prerequisite: teacher and counselor approval. Program offers on-the-job training which is correlated with the in-school related instruction and is designed to bridge the gap between school and work. The training will be directly related to the students' career goals. Students will have a training plan, adequate supervision by a school/district coordinator, and be paid according to the state and federal

labor laws. A Family & Consumer Science related course must be taken.

HEALTH SCIENCE

HEALTH SCIENCE INTRO

.5 Credit **Grades 10-12**

PREREQ FOR MED. ANATOMY & PHYSIOLOGY

Introductory anatomy and physiology, medical terminology, medical ethics, diseases and disorders are covered in sufficient depth to prepare students for a health technology program or for college preparation in the Health Science Advanced class & dissection labs. Also includes four dissection labs. Designed to create an awareness of career possibilities in health-care and inform students of the educational options available for health technology and health science programs.

MEDICAL ANATOMY AND PHYSIOLOGY (CTE OR Science Elective Credit)

Prerequisite: Biology and Chemistry

1.0 Credit **Grades 11-12**

The class will examine the structure and function of each of the twelve body systems. The student will develop a working knowledge of anatomy, physiology, medical terminology, medical ethics and pathophysiology. Lab exercises and dissections will be used to help the students become familiar with clinical procedures and disorders. The class is designed to prepare students for a variety of health technology programs and is a must for any student going into professions such as nursing, physical therapy, medicine, or dentistry.

EXERCISE SCIENCE / SPORTS MEDICINE

1.0 Credit **Grades 11-12**

Prerequisite: Health Sci. Int. & must have B average.

An introduction to sports medicine including practical application of knowledge and skills of an athletic trainer, including: prevention of injuries, injury recognition, body response to injury, injury evaluation and management techniques, basic anatomy and medical terminology, and taping techniques.

SPORTS MEDICINE II

Prerequisite: Exercise Science/Sports Medicine I)

1.0 Credit **Grades 11-12**

This class is for seniors and possibly juniors who have taken exercise science/sports med already. This class is an after school class that runs like an internship. You will be helping out in the Training room after school getting the athletes ready for practice and games. You will be following the trainer and helping out in any way you can. You get to see what an Athletic Trainer does first hand while learning to do some of the skills.

MEDICAL TERMINOLOGY

.5 Credit **Grades 10-12**

Medical Terminology is a one-semester course that helps students understand the Greek and Latin based language of medicine and healthcare. Emphasis is placed upon word roots, suffixes, prefixes, abbreviations, symbols, anatomical terms, and terms associated with movement of the human body. This course also stresses the proper pronunciation, spelling and usage of medical terminology. This class is helpful to anyone considering going into the healthcare field.

EMERGENCY MEDICAL RESPONDER

.5 Credit **Grades 10-12**

This semester course provides students with advanced emergency medical information and skills. The course introduces students to a variety of career options in emergency medicine.

INTRO TO PHYSICAL THERAPY

1.0 Credit **Grades 11-12**

This is a yearlong class that introduces you to Physical Therapy. You will be exploring the body's bones and muscles and how they are key to movement. You will be learning how to perform rehab and create your own rehab programs. We will explore common injuries that need rehab. Ideally you will have taken Anatomy before this class but is not mandatory.

BIOTECHNOLOGY

2.0 Credit

Prerequisite: Biology or Chemistry with a grade of at least a B. AP Biology is recommended.

This course will provide an introduction to the biotechnology industry, with an emphasis on current applications in medicine, forensics, tissue engineering, and cloning. Topics will cover the basic principles of DNA and protein structure, function, and analysis. The Labs will provide hands on experience for basic and common biotechnology laboratory techniques such as lab safety, aseptic techniques, preparation of solutions, cell culturing, PCR protocols, DNA sequencing, gene expression technology, etc.

HEALTH OCCUPATIONS WORK EXPERIENCE

May earn up to 2.0 Credits **Grades 11-12**

Prerequisite: Counselor and teacher approval. Program offers on-the-job training in the medical field. Students will earn money as they learn entry level skills. Students will receive supervision from their employer and their health occupations instructor. **A health related class must be taken.**

INFORMATION TECHNOLOGY

EXPLORING COMPUTER SCIENCE

****Graduation Requirement**

.5 Credit **Grades 10-12**

This course is designed to introduce the student to a variety of topics in computer science. Instead of focusing on a single programming language or development platform, students will explore many different computing tools to gain an understanding of Computer Science concepts and determine the proper tool for a given task. Students will practice problem-solving skills and algorithm development. Topics covered in this course include human/computer interaction, computational thinking, web design, programming, data analysis, and basic structures of computer hardware and software.

COMPUTER PROGRAMMING I

1.0 Credit **Grades 10-12**

Prerequisite: Pass Secondary Math I, have basic computer proficiency

This course helps prepare students to participate in one of the fastest growing and most financially rewarding industries in the state of Utah – computer programming. The course uses Microsoft Visual Studio to introduce students to the basics of object-oriented design through creating console and GUI applications. The topics covered in this course include algorithm design, classes and objects, conditional statements, loops, parameters, arrays, sorting, and file interfacing. Principles of game design will also be covered as examples of the above topics. Students receiving at least 80% on the state CTE exam in computer programming will receive a skill certificate showing that they meet the state standards and competencies required to be successful in the workplace. *Concurrent enrollment credit at Utah Valley University may also be earned for this course.*

COMPUTER PROGRAMMING II

1.0 Credit **Grades 11-12**

This course helps prepare students to participate in one of the fastest growing and most financially rewarding industries in the state of Utah – computer programming. The course is a follow-up to Computer Programming I, and teaches students the fundamentals of object oriented programming. Topics covered include an introduction to the C++ programming language, class design, inheritance, polymorphism, pointers, dynamic memory allocation, memory management, exceptions, recursion, operator overloading, and an introduction to data structures. Students receiving at least 80% on the state CTE exam in computer programming will receive a skill certificate showing that they meet the state standards and competencies required to be successful in the workplace. *Concurrent enrollment credit at Utah Valley University may also be earned for this course.*

WEB DEVELOPMENT 1

.5 Credit **Grades 10-12**

Web Development is a course designed to guide students in a project-based environment in the development of up-to-date concepts and skills that are used in the development of today's websites. Students will learn the basic fundamentals of how the Internet works. They will learn and use the basic

building blocks of the World Wide Web: XHTML coding, Cascading Style Sheets (CSS), and JavaScript. They learn and follow the steps to create a website by planning, designing, developing, deploying, and maintaining of the website projects. Students will learn and use different scripting technologies to create more dynamic and interactive websites. They will learn what it takes for a career in Web Development as they complete projects and create their own Web portfolio

TECHNOLOGY & ENGINEERING

PHYSICS with TECHNOLOGY I

Prerequisite: Secondary Math 1 or higher.

1.0 Credit **Grades 10-12**
Physics with Technology fulfills a core science requirement or CTE elective, utilizing a “hands-on” learning approach, and emphasizing practical applications. CTE Skills Certification is a critical component of the course standards. Some activities may include: measuring forces, specific gravity, voltage, temperature, working with pulleys, machines, pumps, motors, energy in springs, flywheels, heat exchange. Emphasis is on the principles of force, work, rate, resistance, and energy as they relate to the four energy systems (mechanical, fluid, electrical, and thermal). This course is not only designed for the college-bound, but for those interested in technical careers as well. Concurrent Enrollment Credit may be offered. Participation in the Technology Student Association (TSA) is encouraged.

SKILLED & TECHNICAL EDUCATION

ENVIRONMENTAL SCIENCE

.5 Credit **Grades 10-12**
This semester course prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing and using indoor and outdoor environmental pollution control systems. Includes instruction in environmental safety principles, testing and sampling procedures, laboratory techniques, instrumentation calibration, safety and protection procedures, equipment maintenance, and report preparation.

TELEVISION PRODUCTION I

.5 Credit **Grades 10-12**
This course is designed to provide students to provide students with the basic knowledge and skills related to the television production industry. Includes instruction and hands-on assignments in the following areas: Camera

operation, recording audio, lighting systems, pre-production, production, post production, visual effects and graphics, and copyright laws.

TELEVISION PRODUCTION II

1.0 Credit **Grades 10-12**
This course is designed to provide students with the advanced knowledge and skills related to the television production industry. Includes instruction and hands-on assignments in the following areas: Camera operation, recording audio, lighting systems, pre-production, production, post-production, visual effects and graphics, and copyright laws.

TV BROADCASTING I

1.0 Credit **Grades 10-12**
This class is a prerequisite for Advanced TV/Video.
This course is designed to provide students with the basic knowledge and skills related to the television broadcasting industry. Includes instruction and hands-on assignments in the following areas: Camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

TV BROADCASTING II - ThunderVision

Prerequisite: Teacher approval.
1.0 Credit **Grades 10-12**
This course is designed to provide students with the advanced knowledge and skills related to the television broadcasting industry. Includes instruction and hands-on assignments in the following areas: Camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

DESIGN AND VISUAL COMMUNICATIONS (COMMERCIAL ART)

.5 Credit **Grades 10-12**
A program in the applied visual arts that focuses on the general principles and techniques for effectively communicating ideas and information, and packaging products, in digital and other formats to business and consumer audiences, and that may prepare individuals in any of the applied art media.

ADVERTISING/COMMERCIAL ART

.5 Credit **Grades 10-12**
Students will work in each of the following areas using a wide variety of media: layout, commercial design, lettering, graphic areas, drawing, illustration, painting, and an introduction to Adobe Photoshop and Illustrator. Students will need to purchase some drawing and painting tools and paper. Students will be involved in the selection of subject matter and media used. Students will be required to create a portfolio of their best work. **Second year students may also register for this class.**

PRINTMAKING I

.5 Credit

Grades 11-12

Prerequisite: Drawing I (High School)

Printmaking teaches how to make fine art prints using studio processes such as relief, intaglio, planography, and stencil. With an emphasis on studio production, this course is designed to develop higher-level thinking, art-related technology skill, art criticism, art history, and aesthetics.

DIGITAL PHOTOGRAPHY I

.5 Credit

Grades 10-12

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of digital photography. Instruction includes training in specialized camera and equipment operation, software usage, maintenance, applications to commercial and industrial needs, and photography business operations.

DIGITAL PHOTO I (Mr. Edwards CTE Credit Only)

.5 Credit

Grades 10-12

Includes the basics of photography, learning to use a camera, Photoshop, and how to take professional photographs. Cameras are provided during classroom use. A few are available for overnight checkout. Late fees apply. A flash drive is necessary for students to save images. Students are also welcome to use their own cameras. **Supply cost dependent on student use.**

ADVANCED DIGITAL PHOTOGRAPHY (PHOTO II)

.5 Credit

Grades 10-12

This course is designed for students who want to further enhance their photographic knowledge and abilities. It is an application of the skills learned in Basic Digital Photography with an emphasis on professional jobs and assignments used in commercial photography. A portfolio of each student's work is expected at the end of the course.

WOODWORKING

.5 Credit

Grades 10-12

This is a single semester course that prepares students to apply technical skills to lay out, shape stock, and assemble projects. This class stresses the safe use of hand tools, power tools and machinery. Students will have an opportunity to make some or all of the following projects: Small Cabinet, Cutting board, Longboard, Pen. The class fee is \$35.00

FURNITURE DESIGN/MANUFACTURING (WOODWORKING II)

Prerequisite: Woodworking 1

1.0 Credit

Grades 10-12

Continuation of Woodworking 1. Students will work on individual advanced projects, cabinets, and furniture. Students must be prepared to plan, produce, and complete advanced projects along with meeting their expenses. Work

ethics and productivity will be expected. Students will also learn to make store fixtures, kitchen cabinets, and office equipment. The state test for cabinet/millwork will be taken. Those passing by 80% will receive a certificate. **Concurrent Enrollment Credit at UVU is available.**

CABINETMAKING

.5 Credit

Grades 10-12

An advanced instructional courses that prepares an individual to apply technical knowledge and skills needed to create custom cabinets, fine furniture, and architectural millwork. It stresses the safe use of trade hand tools and machinery used in the production of millwork items. Furniture and cabinets, such as kitchens and vanities, may be constructed, finished, and installed as part of this course.

CARPENTRY (BUILDING CONSTRUCTION)

***Offsite**

4.0 Credit

Grades 11-12

Students build a residential home on-site from start to finish in one school year. Up to ten semester credits are available through concurrent enrollment at USC. Licensed General Contractors and members of the Utah Valley Home Builders Association provide class instruction. Skills learned can be used to pay for college, build a home or start a construction business. Students must be willing to physically work hard and to work in inclement weather conditions.

LEADERSHIP PRINCIPLES

.5 Credit

This course is recommended for students who are elected student body or class officers, organization or club president/officers, or are considering running for one of these offices. Student leaders have great ambitions and enthusiasm for the school and student body-but this alone does not create success. This class teaches how to be an "effective" leader. Concepts of goal setting, motivation, team building, time management, conflict resolution, dealing with stress, and much more are discussed. **Students may be**

eligible to receive three (3) credits of concurrent enrollment at Utah Valley University.

LAW ENFORCEMENT

.5 Credit

Grades 10-12

This course prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, public relations, witness interviewing, evidence collection and management, court procedures and the law in general. Basic crime prevention methods, weapon and equipment operation, equipment maintenance, and other routine law enforcement responsibilities are also included.

CAD MECHANICAL DESIGN I

.5 Credit

Grades 10-12

The first in a sequence of courses that prepares individuals to develop technical knowledge and skills required to plan and

prepare scale pictorial interpretations and technical documentation of engineering and design concepts. This includes instruction in the use of 2D Computer-Aided Design (CAD) software, sketching, drawing layout, geometric construction, orthographic projection, and dimensioning. **Available as a Concurrent Enrollment class.**

ROBOTICS 1

.5 Credit

Grades 10-12

This course is a lab based, hands-on curriculum combining electrical, mechanical and engineering design principles. Students will learn to control and program robotic devices by applying science, math and technology principles. Rigorous study and application of electrical concepts include, but are not limited to: sources of energy, electrical safety, use and identification of basic electronic parts, sensors and actuators. Mechanical concepts will include, but are not limited to: mechanical design, three dimensional modeling, prototype development, design testing, model assembly and proper engineer documentation. Industrial automation, robotic applications and career opportunities will also be discussed. Participation in the Technology Student Association (TSA) is encouraged.

INTERNSHIP – WORK BASED LEARNING

Prerequisite: Teacher approval and must take a related CTE course at the high school. Must have a 2.5 GPA.

.5 Credit

Grade 12

MUST HAVE CAREER GOAL!

This semester class offers on-the-job training in the chosen field. The internship will be an **UNPAID** learning experience. Students will receive close supervision from the instructor and a mentor at the internship location. The internship includes two weeks in class at the beginning of the semester and two weeks at the end of the semester to work on various written assignments and paperwork. Additionally, the class will meet every other Monday to share experiences and learn job skills.

ONLY OFFERED ON 'A' DAYS & MUST BE TWO CLASS PERIODS IN A ROW. FOR EXAMPLE: A1 & A2 OR A2 & A3 OR A3 & A4 OR A4 & A5.

