

***WESTLAKE
HIGH SCHOOL***



COURSE DESCRIPTIONS

2014-2015

INDEX

<i>GRADUATION REQUIREMENTS</i>	3
<i>ADMISSION REQUIREMENTS FOR UTAH COLLEGES/UNIVERSITIES</i>	4
<i>GRADUATION CREDIT REFERENCE SHEET</i>	5-6

COURSE DISCRIPTIONS

<i>AGRICULTURE</i>	7-8
<i>ART</i>	8-12
<i>BUSINESS & MARKETING</i>	12-13
<i>ENGLISH & APPLIED/ADVANCED LANGUAGE ARTS</i>	13-14
<i>FAMILY AND CONSUMER SCIENCE</i>	14-16
<i>FINANCIAL LITERACY</i>	16
<i>FOREIGN LANGUAGE</i>	16-18
<i>HEALTH EDUCATION</i>	18-19
<i>MATH & APPLIED/ADVANCED MATH CORE</i>	19-21
<i>MUSIC</i>	21-24
<i>PHYSICAL EDUCATION</i>	24-26
<i>RESOURCE</i>	27
<i>SCIENCE & APPLIED/ADVANCED SCIENCE CORE</i>	27-30
<i>SOCIAL STUDIES</i>	30-31
<i>TECHNOLOGY & ENGINEERING</i>	31-32
<i>TECHNOLOGY EDUCATION</i>	32-33
<i>TRADE/INDUSTRY EDUCATION</i>	33-34
<i>ELECTIVE CLASSES</i>	35-36

WESTLAKE HIGH SCHOOL

COLLEGE BOUND SUGGESTED REQUIREMENTS

GRADUATION REQUIREMENTS

3.0 Credits English (E)

- 1.0 English 9 (E)
- 1.0 English 10 (E)
- 1.0 English 11 (E)

1.00 Credit Applied Language Arts (ALA)

2.0 Credits Math Core (9-12) (MC)

- 1.00 EM-Elementary Math (EM)
- 1.00 AM-Advanced Math (AM)

1.00 Credit Applied Math (AMC)

2.00 Credits Science Core (9-12) (SC)

Taken from 2 of the 4 quadrants:

- SC1 Biology, Biology AP, Human Biology
- SC2 Chemistry, Chemistry AP
- SC3 Earth Systems
- SC4 Physics, Physics AP, Physics/ Technology

1.00 Credit Applied Science (ASC)

3.0 Credits Social Studies

- 0.5 World Geography (9th) (G)
- 0.5 World Civilization(9th) (WC)
- 1.0 U.S. Studies (10th) (US)
- 0.5 Gov. & Citizenship (11th) (GC)
- 0.5 Student's choice (9-12) (SS)

1.5 Credits Fine Arts (9-12) (A)

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

0.5 Credit Computer Technology (CT)

0.5 Credit Financial Literacy (FIN)

0.5 Credit Health (10th Grades) (H)

1.5 Credits Physical Education (9-12)

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

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

--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	
AB Calculus	BC Calculus	Chemistry
Computer Sci.	English	French
German	Music	Physics
Spanish	Statistics	US History
World History	Government & Politics	
Psychology	Environmental Science	

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. Please see on-line course description booklet for updates, or see counseling staff.

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 Elementary Algebra, Geometry, Intermediate Algebra, Pre-calculus, or Calculus. Students are strongly encouraged to take at least through Pre-calculus.

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

If you plan to enter college in 2010 or after, you will need to present 16 core courses in the following breakdown:

4 years of English

3 years of mathematics (Algebra I or higher)

2 years of natural/physical science (one must be a lab science)

1 year of additional English, math or science

2 years of social studies

4 years of additional core courses (from any area listed above, or from foreign language, non-doctrinal religion or philosophy)

Compare with the graduation requirements listed. It is very important to recognize what your student must complete to graduate from high school and sign him/her up accordingly. If you have questions regarding this information, please see the Westlake Counseling Office for assistance.

COURSE CODES

EEnglish
LAC.....Language Arts/Communications
ALA Applied/Advanced Language Arts
A.....Fine Art
H..... Health
EM.....Elementary Math
AMAdvanced Math
CTECareer Technology Education
PESPE - Skills
PEFPE - Fitness
PEAPE – Individual Activities
SC.....Science Core
AS.....Applied Science
SS.....Social Studies
US.....U.S. History
G..... Geography
WC.....World Civilizations
GC.....Government & Citizenship
FIN.....Financial Literacy
FC.....Flexible Credit (class may be repeated)

GRADUATION CREDIT REFERENCE SHEET

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AGRICULTURE



AGRICULTURAL COMMUNICATION 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

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

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

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.

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.

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.

NATURAL RESOURCE SCIENCE I (SEMESTER)

.5 Credit

Grades 10-12

Students will develop knowledge and skills related to production management and conservation of natural resources. Major units will include ecology, range resources, waste management, and land use. Field and laboratory experience will be emphasized.

WESTLAKE HIGH SCHOOL

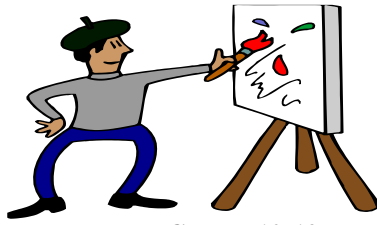
PRE-ENGINEERING TECHNOLOGY

1.0 Credit

Grades 10-12

Pre-engineering Technology is a fun and exciting class where students can learn about and explore the world around them in a hands-on, action based environment. This course will revolve around helping students learn about and apply the engineering design/problem solving process. Students will learn how to approach these real world problems in an innovative and creative way. Students will be given opportunities to learn how to effectively communicate their ideas with others through classroom presentation.

ART



ART FOUNDATIONS 2

.5 Credit

Grades 10-12

Supply cost dependent on student use

The gateway to great art classes at WL High! Learn to draw with a variety of tools. Learn to use color. Learn about great art and artists past and present. This course is prerequisite for most art classes here at WL High. Along with the fee students will be required to provide their own sketch book and some drawing tools.

AP ART HISTORY

1.0 Credit

Grades 11-12

Supply cost dependent on student use

This is a yearlong course structured to prepare students for the AP Art History Exam. The course offers a chronological survey of Western art from the dawn of civilization to the present time, including most modern trends. The course combines proper historical techniques and procedures with an emphasis on the unique position and role played by both the artist and the work of art, its context and the critic. Students will be exposed to a wide range of art and will be able to identify major artist in each period or movement. The fall semester covers art from the Paleolithic through the Early Renaissance era. The Spring Semester covers art from the Late Renaissance era through Post Modern.

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.

AP ART

1.0 Credit

Grades 11-12

Prerequisite: Teacher approval

Supply cost dependent on student use

COLLEGE LEVEL COURSE

Students will develop a 3D portfolio. 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 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; and (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 1

.5 Credit

Grades 1-12

Prerequisite: Drawing 1 (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 1

.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 COMMERCIAL PHOTOGRAPHY

(PHOTO 2) CTE Credit Only

.5 Credit

Grades 10-12

This course is part of a sequence of courses that prepares individuals to use artistic techniques combined with a

WESTLAKE HIGH SCHOOL

commercial perspective to effectively communicate ideas and information to business and consumer audiences via the use of advanced digital and/or film photography. Instruction includes training in career opportunities, workflow, specialized camera, equipment and accessories, memory devices, software operation, copyright, ethics, and legal issues as it applies to commercial and industrial needs, and photography business operations.

MUSICAL THEATRE

1.0 Credit

Grades 10-12

Prerequisite: Audition

A hands-on course designed to cover the aspects of musical dance including mandatory participation in the production of a full length musical, in the fall and spring semesters. Students will also study elements of dance, choreographers, choreographic principals and processes, dancing, acting and auditioning.

Several groups make up the band program and each one is highly motivated and very musically active. The Wind Symphony, Symphonic band, Concert Band, and Percussion ensembles are at the core of the program. Other performance groups include the Marching band, two Jazz bands, and Pep band. To help increase individual musicianship all students are encouraged to study privately and all students may be required to attend an after school sectional once a week. A brief description of each program is included. Note: many students are able to be involved in several of the offerings.

DRAWING 1

.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 2

.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 1

.5 Credit

Grades 10-12

Prerequisite: Drawing 1 & 2 or Honors Art (high school)

This course is designed for students who are familiar with basic art techniques and have experience with drawing. You will learn watercolor tricks and techniques. Art history, aesthetics and art criticism are a major part of the course as well

PAINTING 2.

1.00 Credit

Grades 10-12

Prerequisite: Drawing 1 & 2 Honors Art (high school)

This course is designed for students with a strong drawing background. You will learn how to oil paint through various styles and techniques. Art history, aesthetics, color theory and art criticism are a major part of the course as well. This is a year long course.

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

1.0 Credit

Grades 11-12

Prerequisite: Teacher Approval

Supply cost dependent on student use

COLLEGE LEVEL COURSE

Students will develop a 3-D portfolio. 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. 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 whether they submit the portfolio or not. Work for the AP portfolio is divided into three areas: (1) quality of work; (2) concentration on a particular interest or problem; and (3) breadth of experience. Students will also need to work outside the classroom.

ADVERTISING/COMMERCIAL ART

.5 Credit

Grades 10-12

Supply cost dependent on student use

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. 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.

WESTLAKE HIGH SCHOOL

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 1 (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 2 (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 3 (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.

PRE-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.

LA-DANCE COMPANY (Advanced)

1.0 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.

LA-BALLROOM TEAM

1.0 Credit

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 1

.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 fox-trot, cha-cha, waltz and triple swing. Students will be required to participate in social dances and the Westlake competition.

LA-BALLROOM 2

.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. Nor prior dance experience is required. Proper dance shoes are encouraged. Appropriate attire and footwear will be explained the first day of class. Instructors may also be contacted to answer footwear and attire questions. Students will be required to participate in social dances and the Westlake competition.

LA-BALLROOM 3

.5 Credit

Grades 10-12

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Prerequisite: Teacher approval

This co-ed dance class teaches 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. Instructors may also be contacted to answer footwear and attire questions. Students will be required to participate in social dances and the Westlake competition.

DRAMA 1 .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. Mime, oral interpretation, seeing and monologue study are taught along with production criticism, and dramatic and comedic literature. The student will study audition techniques, seeing performance cinema appreciation and criticism, and an introduction to acting.

DRAMA 2 1.0 Credit

Grades 10-12

Prerequisite: Drama 1 in 9th Grades 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. Participation in school productions, festivals, and competitions is recommended.

DRAMA 3 1.0 Credit

Grades 11-12

Prerequisite: Drama & Film or Drama 2 or teacher approval. This class is focused on **theatre history**.

Students will study different periods of history through theatre, learn the conventions of the time period, read plays from the time period, and perform scenes in class incorporating their knowledge of (what) they have acquired. Theatre History includes, but is not limited to: Greek and Roman, Medieval, Shakespeare, Spanish Golden Age, Neoclassicism, Restoration, and Contemporary Drama.

DRAMA 4 1.0 Credit

Grade 12

Prerequisite: Drama 3, or teacher approval.

This class is the capstone theatre class, and has an emphasis in **directing**. Students will study different directing techniques, create a director's book, and direct their peers throughout the year. Our primary text is *A Sense of Direction* by William Ball. Students will apply all of the knowledge they have gained in previous years of drama in this course. It is a performance based class.

STAGE CREW (Elective Credit only)

1.0 Credit

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.

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 2-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. On completion of the course, students will then move on to AP 2D Design. **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).**

BUSINESS & MARKETING

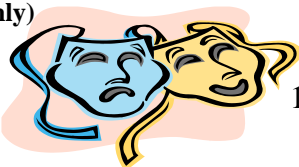
ACCOUNTING 1

.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 2



WESTLAKE HIGH SCHOOL

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.**



COMPUTER TECHNOLOGY

.5 Credits

Prerequisite: 30 wpm

This course is an introduction to computers and computer software. Students will learn Microsoft Word for document processing, Microsoft Excel for spreadsheet preparation and Microsoft PowerPoint for presenting electronic presentations. Students will learn about e-mail for communication and the internet for research. Computer skills gained will be demonstrated by creating an integrated project from a different content area.

(GRADUATION REQUIREMENT)

MARKETING

.5 Credit

Grades 10-12

If you like to be creative (although not required) then marketing is the class for you! This class allows you to show your creativity and have fun all while doing activities and assignments that are completed during class time. Business and marketing concepts currently used in the field of marketing are stressed and learned in this semester long class. Computers are utilized! No textbooks allowed! Learning is required! Having fun is optional!

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.

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.

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.

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).

ENGLISH & APPLIED/ADVANCED LANGUAGE ARTS

Lab Fee for All Classes



ENGLISH 10

1.0 Credit

Grade 10

English 10 will focus on reading, writing, and inquiry standards of achievement, as outlined by the Tenth Grades Language Arts Core. Quoting from this Core, "Reading instruction focuses on electronic text, using explicit and implicit information to evaluate informational text; on the ways in which character development and connections to politics, history, and culture contribute to great literature; and on more complex figurative language, including simile,

WESTLAKE HIGH SCHOOL

metaphor, pun, symbolism and personification. Writing focuses on analysis and interpretation of multiple ideas and perspectives to extend thinking through writing. Persuasive writing is a continued emphasis in preparation for the Utah Basic Skills Test. Skills in analytical evaluation and assessment of writing are further nuanced, and editing skills are specific and clearly delineated. 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 Tenth Grades Language Arts Core.

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. This course will focus on the same objectives of the Tenth Grades Language Arts Core that are outlined above (see English 10 course description). However, since this course is an enriched and intensive college-bound course study of literature and composition, pacing will be more rigorous than English 10. This course includes up to 800 pages of independent reading per term. **This class serves as a prerequisite for those students who are interested in taking AP English.**

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." 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 will focus on reading, writing, and inquiry standards of achievement, as outlined by the Twelfth Grades Language Arts Core. Quoting from this Core, "Reading continues to be taught, emphasizing literary analysis/criticism, historical commentary, political statements, and culturally and historically significant literary works. Writing to learn emphasizes cause and effect, analysis and refutation of opposing opinions, and important text connections. Revision and editing in written work are further refined, and inquiry becomes more meaningful as students approach graduation from school and entrance into the adult phase of their lives." A vocabulary and usage review will also follow the guidelines of the Twelfth Grades Language Arts Core.

AP ENGLISH LIT

1.0 Credit

Grade 12

This is a college-level course equivalent to freshman English. Course content includes readings from English literature and writing about literature: students will apply literary analytical principles and terms to short stories, novels, plays, and poetry, and they will also complete a major writing project each term. Students will take the Advanced Placement test in May for up to 8 hours of college Credit.

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:

Prerequisites: ACT score of 20 or higher.

This course is a College level reading and writing course and worth 3 semester hours of credit. The course is a full year course and you must complete the full high school year to get credit at Utah Valley University. A College transcript is generated at the end of the year and becomes part of the student's college records. The course focus is: Critical, analytical and logical thinking, including different types of exposition: Narrative, Description, Illustration (Visual texts), Process Analysis, Comparison and Contrast, Classification and Division, Definition, Cause and Effect, Argumentation, and Research writing.

CREATIVE WRITING

.5 Credit

Grades 11-12

Prerequisite: "B" or better in English 11, "C" or better in English 11 Honors and a minimum cumulative GPA of 2.7; teacher approval.

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

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different techniques, this is the class for you!

ADVANCED CREATIVE WRITING

1.0 Credit

Grades 11-12

Prerequisite: "B" or better in English 11, "C" or better in English 11 Honors and a minimum cumulative GPA of 2.7; teacher approval.

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

Mythology is designed to give you a broad understanding of the importance and relevance of myths in modern culture as well as in literature. The focus will be mainly on Classical Mythology. We will study the gods, heroes, monsters, and rituals of the Greeks and Romans. This class is especially helpful for students enrolled in AP English Literature as many of the classics studies in that course contain mythical elements. By completing this course you will heighten your understanding of fiction, increase your vocabulary, and develop a greater understanding of many aspects of our society.

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. Anyone who signs up for this class should be ready to read a lot and have no trouble sharing their fictional writing.

FILM LITERATURE

.5 Credit

Grades 11-12

This challenging course prepares students to explore and analyze motion pictures as 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. Critical analysis in the form of essays is included.

FAMILY AND CONSUMER SCIENCE

CHILD DEVELOPMENT (Child Dev)

.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 1

1.0 Credit

Prerequisite: Completion of Child Development

This yearlong course prepares individuals for childrelated 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 2

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.

WESTLAKE HIGH SCHOOL

CLOTHING 1

.5 Credit

Grades 10-12

Supply cost dependent on student use

In Clothing 1 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.

CLOTHING 2

.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.

Track 1: Sports Sewing – Beginning students will study consumerism, and beginning skills for using the sewing machine and home serger. Construction techniques for drawstring bag, pajama pants, and other beginning sewing & clothing projects will be covered.

Track 2: Intermediate Construction of Clothing – Students with previous training will study textiles and fabric selection. Construction techniques for a collared shirt, and other intermediate projects will be covered.

Track 3: Advanced Construction of Clothing (Tailoring). Students with advanced sewing skills will study tailoring techniques used to make suits, jackets, coats or other advanced projects.

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 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.

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.

FOODS AND NUTRITION 1

.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 2

.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: 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 into the world of professional cooking. 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 1

.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

WESTLAKE HIGH SCHOOL

treatments and backgrounds, design and function of space and lighting. FCCLA will be an integral part of the course.

INTERIOR DESIGN 2

.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.

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)**



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.

FOREIGN LANGUAGE

ASL 1 (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 2 (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 3 (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 1 (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 2 (Elective Only)

1.0 Credit

Grades 10-12

Prerequisite: French 1 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 3

1.0 Credit

Grades 10-12

Prerequisite: French 2

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.

CONCURRENT ENROLLMENT CREDIT FROM UVU

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IS AVAILABLE FOR 11TH & 12TH GRADESRS.

FRENCH 4

1.0 Credit

Grades 10-12

Prerequisite: French 3

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.

GERMAN 1 (Elective Only)

1.0 Credit

Grades 10-12

An introduction to the German language and culture. The student learns accurate pronunciation, elementary vocabulary, and correct usage of the basic structural patterns of German. Students will learn to express themselves in oral conversation, practice the skills by means of dialogues, structure drills, reading selections, and written exercises.

GERMAN 2 (Elective Only)

1.0 Credit

Grades 10-12

Prerequisite: German 1

Continues the development of speaking, writing, listening, and reading skills in German, and the study of German culture. Emphasis is on expansion of vocabulary and knowledge of basic grammatical structures. Materials based on everyday activities and the culture of the German-speaking people.

GERMAN 3

1.0 Credit

Grades 10-12

Prerequisite: German 2

Class is conducted almost exclusively in the language, continuing the emphasis on the four skills. The objective is to enable the student to carry on simple conversations and express themselves in writing.

Reading will be from more complex selections, including some poetry and prose from famous German authors.

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

ENROLLMENT IS AVAILBEFROM UVU FOR GERMAN 4 FOR 11TH & 12TH GRADERS.

SPANISH 1 (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 2 (Elective Only)

1.0 Credit

Grades 10-12

Prerequisite: Completed Spanish 1 (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 3

1.0 Credit

Grades 10-12

Prerequisite: Spanish 2 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 party of the assessments used.

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



SPANISH 4

Combined with Spanish AP

1.0 Credit

Grades 10-12

Prerequisite: Spanish 3 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 4.

1.0 Credit

Grades 10-12

Prerequisite: Spanish 4, 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 1, students begin to communicate sufficiently to

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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 2, 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 3 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 4 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.

HEALTH EDUCATION



HEALTH OCCUPATIONS ACADEMY

This academy will prepare students for careers in the health-care field. Every objective and activity in the academy is toward this end. With a dedicated staff of instructors and a supportive administration, we feel this academy is an exciting concept to offer to our students. This Academy includes a multi-level, cross-disciplinary curriculum for

students preparing for careers in health-related fields.

Highlights include the following:

- *A direct connection between classroom and the work place, increasing student's academic and technological skills
- *An applied academic approach, creating a more viable link between health-care employment and relevancy in the classroom, as well as improved integration of academics and career planning
- *Improved school-to-work transition
- *Integrated academic material in health, English, and science with knowledge and competencies used in an actual health care setting.
- *Correlated curriculum designed to include the National Health Care Skills Standards
- *Participation in HOSA competition and academy
- *Higher relevancy of course work
- *Opportunities to enroll in an integrated sequence of courses that correlate with specific post-secondary majors in health related field
- *Concurrent Credit and the possibility of the first year of college completed
- *Learning focused on completion of a two-year associate degree, a two year certificate leading to employment, or a four-year baccalaureate degree or beyond.

HEALTH (HEALTH 10)

.5 Credit

Grade 10

Required in 10th Grade

Students will study the development of mental, physical, and emotional health. The emphasis of this class will include instruction on how to obtain a healthy lifestyle--both physically and mentally. Course of study will include nutrition, stress, substance abuse, family/commitment/marriage, self-esteem, and refusal skills.

HEALTH SCIENCE INTRO

.5 Credit

Grades 10-12

PREREQUISITE 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.

ADVANCED HEALTH SCIENCE

1.0 Credit

Grades 11-12

This full year course is to help students build a foundation of knowledge that will prepare them for future employment in the health science field. The class will help the student understand medical terminology, essential skills and knowledge needed in a health occupation profession, and pathology to develop an understanding of healthy lifestyle.

WESTLAKE HIGH SCHOOL

MEDICAL ANATOMY AND PHYSIOLOGY

(Med. Anat. Phys.) (Elective Only)

1.0 Credit

Grades 11-12

Prerequisite: *Health Science Introduction.*

The class will examine each of the twelve body systems at a level of detail that will prepare any student pursuing a career in medicine and health care to competently pass the college courses that await them. The student will develop a working knowledge of anatomy, physiology, and path physiology. Innovative laboratory exercises and dissection will be used to help the student become familiar with clinical procedures and medical disorders. Field trips to explore health careers and cadavers are also incorporated into the course to heighten the students' learning experience. This class is a must for any student pursuing professions such as nursing, physical therapy, medicine, or dentistry.

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.**

EX SCI/SPORT MED.

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 & EVENTS MARKETING

.5 Credit

Grades 11-12

This course is designed to develop a student's understanding of how sport and entertainment organizations including private, professional and public prepare and operate on a daily basis. The course will provide instruction and preparation on how to apply and accomplish a variety of skills. These skills include: creative communication, leadership, managerial skills, sales, promotions, marketing, public relations, facilities, event operations, and management. Highlights will include field trips to facilities and professional venues, preparing and putting on local events and promoting our own Westlake High School.

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 1

1.0 Credit

Grades 10-12

Prerequisite: **"C" or better average in Pre-Algebra. Also available for students who took Algebra 1A in 9th Grade or those who did not pass Algebra 1.**

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 2

1.0 Credit

Grades 10-12

Prerequisite: **"D" average Grades or better in Algebra 1 (Can be taken concurrently with Algebra 2).**

The main goal of secondary math 2 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

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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.*

ALGEBRA 2A

1.0 Credit **Grades 10-12**

Prerequisite: Teacher /counselor approval

Algebra 2A covers 1st half of the Algebra 2 curriculum giving .50 elective Credit 1st semester and .50 math Core Credit 2nd semester. The Core requirement will be completed by taking an additional year of Algebra 2B.

ALGEBRA 2B

1.0 Credit **Grades 10-12**

Prerequisite: Teacher/counselor approval

Algebra 2B covers 2nd half of the Algebra 2 curriculum giving .50 elective Credit 1st semester and .50 math Core Credit 2nd semester.

ALGEBRA 2

1.0 Credit **Grades 10-12**

Prerequisite: "C+" average or better in Algebra 1 (and Geometry). A primary goal of Algebra 2 is for students to conceptualize, analyze, and identify relationships among functions. This course builds on concepts learned in Algebra 1 and Geometry by extending linear algebra and coordinate geometry concepts to other functions and systems of equations. Students will develop proficiency in analyzing and solving quadratic functions using complex numbers. Students will investigate and make conjectures about absolute value, radical, exponential, logarithmic and sine and cosine functions algebraically, numerically, and graphically, with and without a graphing calculator. Students will extend their algebraic skills to compute with rational expressions and rational exponents. Students will analyze statistical data and apply concepts of probability using permutations and combinations. Students will apply mathematical skills and make meaningful connections to life's experiences.

COLLEGE PREP MATH

1.0 Credit **Grades 10-12**

Prerequisites: 'B' or better in Algebra 2. 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.

PRECALCULUS

1.0 Credit **Grades 10-12**

Prerequisites: "B-" average or better in Algebra 2 and Geometry.

The main goal of Pre-Calculus is for students to gain a deep understanding of the fundamental concepts and relationships of functions. Students will expand their knowledge of quadratic, exponential, and logarithmic functions to include power, polynomial, rational, piece-wise, and trigonometric functions. Students will investigate and explore mathematical ideas, develop multiple strategies for analyzing complex situations, and use graphing calculators and mathematical software to build understanding, make connections between representations, and provide support in solving problems. Students will analyze various representations of functions, sequences, and series. Students will analyze bivariate data and data distributions. Students will apply mathematical skills and make meaningful connections to life's experiences. Pre-Calculus is highly recommended preparation for students who plan to continue their formal education beyond high school. Mastery of topics studied in this course is prerequisite to enrolling in AP Calculus at WLHS. *It is recommended that students planning to take Calculus at WLHS take Honors Pre-Calculus. However, students in Regular Pre-Calculus who work hard and earn A's are welcome and encouraged to move on to AP Calculus.*

CALCULUS

1.0 Credit **Grades 10-12**

Prerequisites: B or better in Pre-calculus, or C or better in Pre-calculus Honors.

The purpose of this course is to prepare seniors for university Calculus. Students will study families of functions, with an emphasis on graphical analysis, preparatory to the study of limits. The students will discover the relationship between the concept of slope and the formal definition of the derivative, with its accompanying applications. These ideas will be revisited when slope fields are used to motivate the discovery of the antiderivative and integration. Applications of the integral will include both analytic and numerical methods.

AP CALCULUS AB

1.0 Credit **Grades 11-12**

Prerequisite: "B-" or better Grades in Pre-Calculus Honors or A- or better Grades in Pre-Calculus.

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

WESTLAKE HIGH SCHOOL

2.0 Credit

Grades 11-12

Prerequisite: “B-“or better Grades in Pre-Calculus Honors or A- or better Grades in Pre-Calculus.

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

Prerequisite: “B” Grades or better in Algebra 2; or “C+” Grades or better in Pre-Calculus.

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 1

.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 2

.5 Credit

Grades 10-12

Prerequisite: Accounting 1

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 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 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.

WESTLAKE HIGH SCHOOL

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 no 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. Offered both A and B days.

AP MUSIC THEORY

1.0 Credit

Grades 11-12

Prerequisite: Teacher approval. 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

WESTLAKE HIGH SCHOOL

concerts, festivals, and assemblies.

Participation in Marching Band is encouraged.

MARCHING BAND

1.0 Credit **Grades 10-12**
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 Wind Ensemble auditions. This band will perform at concerts, festivals, assemblies, and games.

SYMPHONIC BAND

1.0 Credit **Grades 10-12**
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

Uniform fee (shirt & shorts)

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.

Uniform fee (shirt & shorts)

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.



WESTLAKE HIGH SCHOOL

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 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 1 (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 2 (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 3 (Advanced)

1.0 Credit **Grades 10-12**

WESTLAKE HIGH SCHOOL

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-BALLROOM TEAM

1.0 Credit **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 1

.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 fox-trot, cha-cha, waltz and triple swing. Students will be required to participate in social dances and the Westlake competition.

LA-BALLROOM 2

.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. Nor prior dance experience is required. Proper dance shoes are encouraged. Appropriate attire and footwear will be explained the first day of class. Instructors may also be contacted to answer footwear and attire questions. Students will be required to participate in social dances and the Westlake competition.

LA-BALLROOM 3

.5 Credit **Grades 10-12**

\$5.00 Participation Fee

Prerequisite: Teacher approval

This co-ed dance class teaches 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. Instructors may also be contacted to answer footwear and attire questions. Students will be required to participate in social dances and the Westlake competition.

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.

RESOURCE

Resource classes may be taken only by those admitted to

WESTLAKE HIGH SCHOOL

the program.

EN10R1-2 (E10) Grades 10
EN11R1-2 (E11) Grades 11
EN12 R1-2 (E12) Grades 12
ENGLISH RESOURCE (Qualified students only)
1.0 Credit Grades 10-12

Prerequisite: Counselor approval (must meet program requirements). Designed to teach basic English skills. Sentence and paragraph structure, punctuation and grammar will be taught. Working on computers in the writing lab will be included in this course

M000R1-2
RESOURCE MATH 1
1.0 Credit Grades 10-12
Prerequisite: to be placed in this class, a student must be on an IEP

<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)

Students will work on basic math skills and life skills that use math.

RESOURCE MATH 2
1.0 Credit Grades 10-12
Prerequisite: To be placed in this class, a student must be on an IEP and must be able to add, subtract, multiply and divide whole numbers.

Students will work on Pre-Algebra (intermediate Math2) skills.

RESOURCE MATH 3
1.0 Credit Grades 10-12
Prerequisite: To be placed in this class, a student must have an IEP and passed either Pre-Algebra or intermediate Math 2 with a "C" average for all 4 quarters.

Students will work on the first semester course work of Secondary Math 1 core curriculum.

RESOURCE MATH 4(Secondary Math 1 Resource)
1.0 Credit Grades 10-12
Prerequisite: To be placed in this class a student must have an IEP and must have passed Resource Math 3, Pre-Algebra, or Intermediate Math 2 with a "C" average for all 4 quarters.

Students will work on the Secondary Math 1 core curriculum in a resource-setting and will take the CRT at the end of the year. If the student scores a 1 or 2 on the CRT the following year they will be placed in Co-taught Secondary Math 2.

READING SKILLS (Resource)

1.0 Credit Grades 10-12
Prerequisite: counselor approval (must meet program requirements). Designed to help students learn and improve basic reading skills. Students will work on skills such as sight words, comprehension and will read at least one book per term.

SCIENCE & APPLIED/ADVANCED SCIENCE CORE

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 Grades 10-12

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

WESTLAKE HIGH SCHOOL

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.

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

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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 1 Algebra based

1.0 Credit **Grades 10-12**

Prerequisite: Algebra 2 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.

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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.

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

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 2

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 2

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.

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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.

TECHNOLOGY & ENGINEERING

COMPUTER PROGRAMMING

1.0 Credit

Prerequisite: Pass Secondary Math 2

This is a course in computing science, which uses studies of patterns that can be used to process models of different types of information. The Java programming language will be used in conjunction with the Karel Robot package and Net Beans programming environments to study data driven modeling and computing. This is referred to as “programming”. Programming topics to be covered include: functions; recursion; iteration; data structures such as numbers, symbols, Boolean, and compounds of these; and some simple graphics. Non programming topics to be covered include: history of calculating devices and programming, computers in today’s society, careers in computer science, computer ethics, rights of privacy and security.

PRE-ENGINEERING TECHNOLOGY

1.0 Credit

Grades 10-12

Pre-engineering Technology is a fun and exciting class where students can learn about and explore the world around them in a hands-on, action based environment. This course will revolve around helping students learn about and apply the engineering design/problem solving process. Students will learn how to approach these real world problems in an innovative and creative way. Students will be given opportunities to learn how to effectively communicate their ideas with others through classroom presentation. Participation in the Technology Student Association (TSA) is encouraged.

ENGINEERING DESIGN

.5 Credit

Grades 10-12

This course is intended to introduce high school students to the engineering design process and the properties of good design. Students will learn skills surrounding invention and innovation. Students will plan, complete, and document a number of analysis-based designs. Skills will be developed in the creation of memos, design reports, and technical drawings using computer aided design. The course content will be covered through a series of hands-on activities where students build prototypes of their designs. Participation in the Technology Student Association (TSA) is encouraged

ROBOTICS & AUTOMATION 1

.5 Credit

Grades 10-12

This is an introductory course to the fun and exciting field of Robotics. Students will learn computer interfacing and computer programming along with digital and basic electronic theory. They will learn to build and program robots through many entertaining design challenges. Study and application of electrical concepts include: sources of energy, electrical safety, use and identification of basic electronic parts, sensors and actuators. Participation in the Technology Student Association (TSA) is encouraged.

ROBOTICS & AUTOMATION 2

.5 Credit

Grades 10-12

Prerequisite: Must have taken Robotics & Automation 1 (earlier in the year or in previous years).

This is an advanced robotics course for students who have previously enrolled in a robotics course. Students will be designing and building robots with a variety of applications including manufacturing, military & law enforcement. Students will learn to control and program robotic devices by applying science, math and technology principles. Many mechanical concepts will be covered such as: mechanical design, three dimensional modeling, prototype development, design testing, model assembly and proper engineer documentation. Participation in the Technology Student Association (TSA) is encouraged.

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.

WESTLAKE HIGH SCHOOL

ARCHITECTURE DESIGN 1

.5 Credit

Grades 10-12

This is the first instructional course in a sequence of courses that prepares individuals with knowledge of residential architectural and related construction. This course includes instruction in architectural blueprint reading, sketching, residential floor plans, exterior elevations, and use of CAD software. Instructors should be cautioned to limit the size of the dwelling to 1,100 square feet on the main floor.

ARCHITECTURE DESIGN 2

.5 Credit

Grades 10-12

This is the second instructional course in a sequence of courses that prepares individuals with knowledge of residential architectural and related construction. This course includes instruction in building materials, building codes, typical wall sections, interior elevations, plot plans, Specifications, electrical plans, architectural renderings, and Computer-Aided Design (CAD) software with a major emphasis on 3D. Instructors should be cautioned to limit the size of the dwelling to 1,600 square feet on the main floor.

DRAFTING ENGINEERING

.5 Credit

Grades 11-12

The third instructional course in a sequence of courses that prepares individuals with an emphasis in mechanical drafting to apply technical knowledge and skills to develop working drawings in support of mechanical and industrial engineers, and related professionals. Includes instruction in manufacturing materials and processes, sectioning, mechanical drafting, basic welding, geometric dimensioning and tolerancing, blueprint reading and technical communication. Prerequisites Drafting and Design Technology and CAD Drafting Technology.

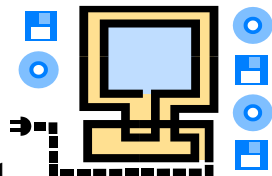
TECHNICAL DESIGN 1

.5 Credit

Grades 10-12

This is the first instructional course in a sequence of courses that prepares individuals to develop technical knowledge and skills required to plan and prepare scale pictorial interpretations of engineering and design concepts. This includes instruction in the use of 2D/3D CAD software, sketching, drawing layout, geometric construction, orthographic projection, and dimensioning.

TECHNOLOGY EDUCATION



TELEVISION PRODUCTION 1

.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 2

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 1

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 2

1.0 Credit

Grades 10-12

Prerequisite: Teacher approval. (Thundersvision)

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.

TRADE/INDUSTRY EDUCATION



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.**

CARPENTRY

(BUILDING CONSTRUCTION)

4.0 Credit

Grades 11-12

Students build a residential home on-site from start to finish

WESTLAKE HIGH SCHOOL

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.

WOODWORKING

.5 Credit

Grades 10-12

Students will complete a safety program. Students are required to pay for their own materials. An activity-oriented instructional course that prepares individuals for enrollment in advanced vocational and technical education programs that includes basic technical information and laboratory experiences directly related to the woodworking industry. Includes instruction in cutting, shaping, assembling, designing, planning, and drafting layouts. **Concurrent Enrollment Credit at UVU is available.**

FURNITURE DESIGN/MANUFACTURING

(Woodworking 2)

1.0 Credit

Grades 10-12

Prerequisite: Woodworking 1.

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. This course may not be carried if there are not enough students enrolled.



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.

INTERNSHIP

.5 Credit

Grade 12

MUST HAVE CAREER GOAL!

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

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.

STAGE CREW (Elective Credit)

1.0 Credit

Grades 10-12

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.

DIGITAL PHOTO I

.5 Credit

Grades 11-12

Includes all the fundamentals of using a 35 mm camera, developing black and white film, enlarging black and white prints in the darkroom, and the history and development of photography. Little, if any digital photo included. **Students must provide their own 35 mm camera (either automatic or manual), and purchase their own disposable materials (film, photo paper, and negative sleeves).**

PHOTO 2

.5 Credit

Grades 10-12

Prerequisite: DIGITAL PHOTO Includes a review of the fundamentals of using a 35 mm camera, developing black

WESTLAKE HIGH SCHOOL

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 and introduction to digital photography. The principles and elements of design will be the main focus of each assignment. **Students must provide their own 35 mm camera (either automatic or manual), and purchase their own disposable materials (film, photo paper, and negative sleeves).** **CONCURRENT ENROLLMENT IS AVAILABLE AT UVU FOR 11TH & 12TH GRADES**

COSMETOLOGY **Grade 12**
Prerequisite: Counselor approval. Class is available through private schools in the area. See your counselors for more information.

TRADES AND INDUSTRY WORK EXPERIENCE
Up to 2.0 Credits **Grades 11-12**
Prerequisite: Teacher and counselor approval.
This 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 student's career goals. Students will have a training plan, adequate supervision by a school/district coordinator, and be paid according to state and federal labor laws. **Students must be enrolled in a related technology class at the high school.**

ELECTIVE CLASSES

CTE ENGLISH TUTORIAL
1.0 Credit **Grades 10-12**
Students will be helped to learn and become comfortable with language arts skills that may have been missed or misunderstood in your past educational experiences. By uncovering the knowledge that is missing, you can begin to understand the concepts that are being learned in your current English classes.

CTE MATH TUTORIAL
1.0 Credit **Grades 10-12**
Student will receive instruction and tutoring in basic math facts and skills that are essential to master for success in Algebra and/or Geometry. Math questions from student's regular math class will be addressed.

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. **CONCURRENT ENROLLMENT IS AVAILABLE FROM USU FOR 12TH GRADES.**

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**

WESTLAKE HIGH SCHOOL

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.

