

FARMINGTON HIGH SCHOOL

COURSE CATALOG 2020-2021



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GRADUATION REQUIREMENTS

Language Arts – 4.0

Mathematics – 3.0 (4.0 Recommended)

Science – 3.0

Social Studies – 2.5

U.S. Government and Citizenship - .5

Health - .5

Physical Education – 1.0

Fit for Life - .5

Fine Arts – 1.5

Career and Technical Education – 1.0

Digital Studies - .5

General Financial Literacy - .5

Electives – 8.5

Total Required for a Farmington Diploma – 27 Credits



FREQUENTLY ASKED QUESTIONS

Q: How many credits are required for graduation?

A: 27 credits earned in the correct areas are required for a Farmington High School diploma. Specific subjects and areas can be found on the [Graduation Requirements](#) page.

Q: Which courses count for specific credit toward graduation in the core areas?

A: Refer to the course offerings page and double check with your counselor. Many of the course descriptions in the catalog will indicate the type of credit being awarded for successful completion of the class. Please note that not all classes within a particular subject award credit in the core areas. For example, Psychology falls within the Social Studies subject area but only awards elective credit. To ensure that you are on track for graduation, meet with your counselor to discuss courses you are interested in taking.

Q: What do I need to do to become eligible to play college sports (NCAA)?

A: The NCAA has specific classes that you must take in order to be qualified to participate in intercollegiate athletics in both Division I and Division II. **Mr. Porter** is the counselor to speak with regarding specific questions and needs.

1. Go to https://web3.ncaa.org/ecwr3/?DB_OEM_ID=9600, create a new account, proceed to the end answering all the questions.
2. At the end of this process you will be assessed a \$60.00 fee.
3. Once you are registered and have paid the fees, come in to Mr. Porter's office and review your transcript with him prior to sending it to the NCAA.

Q: How do I become a TA or get Home Release?

A: You will need to select a full schedule of course requests for now. In the summer or during the school year, you can meet with your counselor to obtain the necessary paperwork for either of these options. Both TA positions and Home Release options require submitted documentation.

FREQUENTLY ASKED QUESTIONS

Q: How do I take a class that another high school offers?

A: As long as FHS does not offer the desired course, and providing that there is room and availability, students may take select courses at neighboring high schools. Contact your counselor regarding availability and options. Students must provide their own transportation.

Q: How do I take a classes at the DTC or a local College or University?

A: You will need to contact your counselor or the CTE Director (Mr. Milliken) for access to those options. It is important to note that some off campus classes have waiting lists due to high demand. It is important to meet with your counselor early in the process to ensure availability.



ADVANCED PLACEMENT

What is AP?

The College Board's Advanced Placement program® (AP®) enables willing and academically prepared students to pursue college-level studies—with the opportunity to earn college credit, advanced placement or both—while still in high school. AP Exams are given each year in May. A score of 3 or higher on an AP Exam can typically earn students college credits and/or placement into advanced courses in college.

Reasons to take AP Courses

Competitive advantage in college admissions

- Eighty-five percent of selective colleges and universities report that a student's AP experience favorably impacts admission decisions.
- Students who take AP courses are letting colleges know that they are serious about their education and that they are willing to challenge themselves with rigorous course work.

Financial benefits

- Research shows that students who take AP courses and exams are much more likely than their peers to complete a college degree on time.
- Students can earn college credit for qualifying AP exam scores. These credits can be used towards specific majors or for general elective credit used towards graduation.

Builds Skills and Confidence

- Students learn essential time management and study skills needed for college and career success.
- Students dig deeper into subjects that interest them, and learn to tap their creativity and their problem-solving skills to address course challenges.
- Students develop advanced research and communication skills, and learn to tap their creative, problem-solving, and analytical potential.
- AP courses give students access to rigorous college-level work. AP students build confidence and learn the essential time management and study skills needed for college and career success.



AP

ADVANCED PLACEMENT

Myth vs. Reality of AP

Myth

AP is for students who always get good grades.

Taking AP courses could hurt my GPA.

AP Courses are too stressful.

I may not score high enough on the AP Exam to get college credit.

Reality

AP Courses are for any student who is academically prepared and motivated to take on college-level course.

A decision to take an AP course shows admission officers a willingness to take on the academic challenge of college-level course work and expectations.

It is no secret that AP course are challenging, but the support students receive from their classmates and teachers can help ease your worries.

You don't need to score a 5. Many colleges grant credit—and placement as well—based on a 3 or better on an AP Exam.

Current AP Course Offerings

AP Art History

AP Biology

AP Calculus AB

AP Calculus BC

AP Chemistry

AP Comparative Government

AP Computer Science Principles

AP Economics

AP French

AP Literature and Language

AP Music Theory

AP Physics 1

AP Physics C

AP Psychology

AP Research

AP Seminar

AP Spanish

AP Statistics

AP Studio Art

AP US Government

AP US History

AP World History

AP

CONCURRENT ENROLLMENT

What is Concurrent Enrollment?

Concurrent Enrollment (CE) courses provide high school students with the opportunity to earn both high school and college credit simultaneously. CE courses are generally available to juniors and seniors, with a few select offerings being available to sophomores. Tuition rates for high school students taking these courses are significantly reduced. CE credit is offered by participating universities and colleges, including Weber State University, Utah Valley University, and Salt Community College.

Registration Information

Students who meet the course requirements and are interested in taking Concurrent Enrollment courses can start by requesting the course for the following year. Your teacher will help you to register for the CE course through the local college or university. If you have questions regarding Concurrent Enrollment, the registration process, and receiving college credit, you can contact Mr. Milliken in the counseling department.

Current CE Course Offerings

ASE Automotive Chassis
ASE Automotive Engine
Business Management
Communications 2110
Customer Service
Digital Media 1
Dance
Drawing 1030
Electronics 1
Electronics 2
Emergency Medical Res.

English 1010
English 2010
Entrepreneurship
Exercise Sports Medicine
Foundations of Nutrition
French (various)
Intro to Automotive
Intro to Engineering
Intro to Geospatial Tech
Marketing 2
Math 1010

Math 1030
Math 1050
CAD 2
Medical Anatomy and Physiology
Music Aesthetics
Nutrition and Sustainable Cooking
Principles of Engineering
Retailing
Spanish (various)



LANGUAGE ARTS – 4 CREDITS

4100 English 10 (10) Full Year

State core skills in reading, writing, listening, viewing, speaking, and presenting will be developed as part of a study of world literature. This includes vocabulary, research, a variety of writing genres, study and test taking skills, and features both classic and contemporary world authors, including poetry, short stories, and novels. Research skills and the use of research sources will be reviewed extensively.

4103 English 10 Honors (10) Full Year

The Sophomore Honors English Course is an intensive and accelerated study of language and world literature in preparation for the 11th and 12th grade honors programs, AP tests, and college entrance. It includes a study of vocabulary and cultural literacy, interpretive and analytical skills through writing, and humanities as enrichment.

4110 English 11 (11) Full Year

State core skills in reading, writing, listening, viewing, speaking, and presenting will be developed as part of a study of American literature. This includes vocabulary, research, a variety of writing genres, study and test taking skills, and features both classic and contemporary world authors, including poetry, short stories, and novels. Research skills and the use of research sources will be reviewed extensively.

4113 English 11 Honors (11) Full Year

The Junior Honors English Course includes an intensive survey of American literature with emphasis on writing, research, vocabulary, and critical thinking skills. This course is also preparatory to the senior AP English class and the CE English class taught during the senior year.



LANGUAGE ARTS – 4 CREDITS

4120 English 12 (12) Full Year

State core skills in reading, writing, listening, viewing, speaking, and presenting will be developed as part of a study of British literature. This includes vocabulary, research, a variety of writing genres, study and test taking skills, and features both classic and contemporary world authors, including poetry, short stories, and novels. Focus will be on college and career readiness in all areas related to analytically reading and writing.

4125 CE English 1010 (12) 1st Semester

Students must meet ACT requirement: 21 or higher on English and/or reading scores. Classes are limited to 25. English 1010 introduces students to the basic principles of college writing. This course will teach students to find, evaluate, and understand source material while emphasizing that sources are participants in ongoing conversations. Coursework includes a rigorous study of informational texts and academic writing. Requires excellent attendance and dependable home internet access. This is a 3 credit course that satisfies a Composition General Education requirement at all Utah State Higher Education institutions.

CE English 2010 (12) 2nd Semester

Must pass CE 1010 first semester with B+ and 90% attendance. Or score a 29 on both the English and reading ACT. CE English 2010 introduces students to the basic principles of argumentative writing in academic settings. The curriculum emphasizes writing as a process, textual analysis, writing from research, and audience awareness. This course is structured so that a variety of smaller assignments culminates in two extended writing projects. For the first, students read a set of texts on a common topic and compose an essay. For the second, students identify a topic of their own, conduct independent research, and compose an essay.



LANGUAGE ARTS – 4 CREDITS

4128 AP English Literature and Composition (12) Full Year

Students completing the AP 12 English Literature and Composition courses will be expected to take the AP exams. Course is designed for accelerated seniors who wish to work for college credit. Coursework includes analytical writing skills, in-depth study of classical literature, fiction, and non-fiction, and extensive preparation for the AP Literature and AP Language exam.

714 CE Communications 2110 (12) Semester

Weber State University textbooks required (approx. \$70.00) 3 credit hours of Concurrent College Credit available through WSU. Prerequisites: Seniors only, GPA of 3.0 or higher, class cap of 32. This course will provide students with the basic knowledge of interpersonal and small group communication skills. The focus of the course is how humans establish and maintain relationships through communication, especially in group settings. Students will learn communication skills which may allow them to improve relationships at school, at work, and in their personal lives. An eight (8) hour service project is part of the course.



LANGUAGE ARTS – 4 CREDITS

4146 Creative Writing 1 (10 - 12) Semester

Requirements: A sincere interest in writing, a desire to learn about many different writing genres and a desire to improve writing skills and practices. This course offers a combination of lessons in creativity, effective writing, the writing process, and general writing skills. Students will complete an extensive personal portfolio by the end of the second term. Students must be willing to share or present on specific projects or assignments.

4147 Creative Writing 2 (10 - 12) Semester

Prerequisites: Beginning creative writing or teacher recommendation. Skills Needed: A mature understanding of the writing process and genres. This course is an extension of those skills and practices learned in a beginning writing class, with an emphasis on advanced writing techniques. Students will create a literary magazine or other collection of works during second term. Students must be willing to share or present on specific projects or assignments.

4166 Journalism 1 (10 - 12) Full Year

Introduction to journalism is an exciting and fast-paced introduction into the highly competitive field of journalism. The course will cover all aspects of the field of journalism including writing, photography, editing, Journalistic Law and Ethics and will take an in-depth look at the media in the US and around the world today.

4167 Journalism 2 (10 - 12) Full Year

Prerequisites: Journalism 1. Students in Journalism 2 will work as the members of the News staff for the school. Focus and purpose of the class will be on the publication and students will be expected to publish and produce a certain amount of journalistically sound material each term they are enrolled. Students should apply that are self-motivated, disciplined and enjoy working toward a common goal with a group of like-minded peers.

LANGUAGE ARTS – 4 CREDITS

4190 Yearbook 1 (Beginning) (10 - 12) Semester

This semester course is open to all grades 10-12 and is specifically for students interested in learning more about how yearbook and its programs work. Students will receive an introductory-level course on layout and design, photo editing, writing and reporting, augmented reality videos, and the production process as they relate to the FHS yearbook. Students will have lessons in eDesign, Adobe, HP Reveal, and on camera usage and interview skills. Students will be responsible for producing mini-yearbooks and have the opportunity to contribute to the actual yearbook. The course is also open to current yearbook students wishing for more time to work on the current year's yearbook, and especially for editors to complete their responsibilities. Students interested in joining actual Morning Star yearbook staff should seriously consider this course.

4191 Yearbook 2 (Advanced) (11 - 12) Full Year

Requirements: Application and approval of adviser; 3.0 GPA, and no citizenship deficiencies The staff writes copy, takes photographs, and designs layouts, as well as takes responsibility for creating all the pages in the yearbook in desktop publishing. The course gives students a chance at a production-type course where they will be expected to go through the writing process, develop camera and photography skills, and work with desktop publishing programs. This is an elite group and students should be prepared to spend significant time in and out of class completing assignments. Attendance at yearly camp in summer suggested.



MATHEMATICS – 3 CREDITS

5140 Secondary Math II (10) Full Year

Secondary Math II is necessary for graduation. This course is the primary course for preparing students for the ACT and other college entrance exams. This course covers many topics in geometry and algebra. This course is the first course introducing trigonometry which is essential for any further mathematics classes. Graphing Calculators are required by the 2nd term of this course and will be necessary for the rest of the student's math classes in high school. We recommend a TI-84+ edition. These are also available to rent for \$20 per year. Fee: \$10.

5141 Secondary II Honors (10) Full Year

This course is for sophomores with a serious commitment to attend college. Students must be enrolled in the Honors level of Secondary 2 to eventually take AP Calculus and/or AP Statistics, and very likely earn college math credit, before graduating from high school. Students will gain a strong foundation in geometry, trigonometry and second year algebra as well as some work with statistics. This is a college prep level course that will teach students critical thinking skills, and strong work ethic, while preparing them for Secondary III Honors and college entrance exams. Students will need a graphing calculator for this course. We suggest the TI 84 + edition. These are also available to rent for \$20 per year. Fee: \$10.

5150 Secondary Math III (11) Full Year

Secondary Math III is necessary for graduation, but can be replaced by Accounting or Math for Personal Finance if students have struggled through Sec I and II and need one more year of math for graduation. This course is the primary course for preparing students for the ACT and other college entrance exams. This course covers many topics in advanced algebra, trigonometry, probability and statistics. This course is the first course introducing trigonometry which is essential for any further mathematics classes. Graphing Calculators for this course and will be necessary for the rest of the student's math classes in high school. We recommend a TI-84+ edition. These are also available to rent for \$20 per year. Fee: \$10.

MATHEMATICS – 3 CREDITS

5151 Secondary Math III Honors (10 - 11) Full Year

This is the prerequisite course for AP Calculus. This course is a fast paced course that will really stretch students and prepare them for AP Calculus. At the end of this course, teachers will help students determine if they wish to take AB or BC level Calculus. Students who are taking this course as a junior can also take AP Statistics the same year. Please read more about these options and help your student make an informed decision. Students will need a graphing calculator for this course. We suggest the TI 84 + edition. (silver, platinum or fashion colors not necessary). These are also available to rent for \$20 per year. Fee: \$10.

5245 CE Math 1010 (12) Semester

This course focuses on Algebra topics that will prepare students to be successful in CE 1030 or CE 1050. We will review and deepen understanding numerically, graphically, algebraically, and contextually. of linear and quadratic equations, with their respective domain and range both theoretically and practically. Passing this course with a C or better will allow students to take CE 1050 without having the required ACT score of 23+ or Accuplacer score of 50+. Note: College credit for Concurrent Enrollment (CE) classes is contingent on approval from the participating College or University. There is a one-time application fee to WSU of \$40 and a tuition fee of \$5 per credit. This course is worth 4 ELECTIVE credits at WSU. A scientific (non-graphing) calculator is required for this course. Students are required to purchase a college textbook costing approximate \$85.

MATHEMATICS – 3 CREDITS

5230 CE Math 1030 Quantitative Reasoning (12) Semester

The focus of this course is solving real world problems using basic algebra skills. Students will be setting up and solving story problems almost every day. CE 1030 is the minimum math credit for most majors in the following colleges at Weber State University: College of Arts & Humanities, College of Social & Behavioral Sciences, and College of Health Professions including nursing. (This does not fulfill premed or physical therapy.) Passing this course with a C or better fulfills the Quantitative Literacy (QL) requirement that all college students must have to graduate. Note: College credit for Concurrent Enrollment (CE) classes is contingent on approval from the participating College or University. There is a one-time application fee to WSU of \$40 and a tuition fee of \$5 per credit. This course is worth 3 MATH credits at WSU. A scientific (non-graphing) calculator is required for this course. Students are required to purchase the textbook: Mathematics All Around by Thomas & Pirnot, 5th Edition.

5250 CE Math 1050 (12) Semester

The focus of this course is functions: absolute value, quadratic, square root, polynomial, exponential, logarithmic, and rational. Each function is explored graphically, numerically and algebraically. We will also explore the basics of linear algebra, and matrices. Emphasis is on using algebra to solve problems. CE 1050 is the minimum math credit or prerequisite for most majors (most of which require Calculus) in the following colleges at Weber State University: College of Engineering, Applied Science & Technology, College of Science, and College of Education including premed and physical therapy. Passing this course with a C or better fulfills the Quantitative Literacy (QL) requirement that all college students must have to graduate. Note: College credit for Concurrent Enrollment (CE) classes is contingent on approval from the participating College or University. There is a one-time application fee to WSU of \$40 and a tuition fee of \$5 per credit. This course is worth 4 MATH credits at WSU. A scientific (non-graphing) calculator is required for this course. Students are required to purchase the textbook: College Algebra 8th Edition OR 30 Algebra and Trigonometry 8th Edition by Sullivan.

MATHEMATICS – 3 CREDITS

5310/5315 AP Calculus AB / Calc. Lab AB (11 - 12) Full Year (2 Periods)

Students who successfully complete the course and pass the Advanced Placement Examination receive 6 Semester hours of college credit at most universities. How this credit is used is dependent on university policy and score earned, but will look something like this: Students will have their “quantitative literacy” requirement fulfilled and in most cases the first semester Calculus course completed. Graphing calculators are required for the examination. The cost of the AP Examination is \$91. The LAB portion of this course is provided for students to receive individual help and time to work on Calculus assignments. New material is not covered in this Lab course. All AP Calculus students also enroll in Calculus Lab. Fee: \$10.

5320/5315 AP Calculus BC / Calc. Lab BC (11 - 12) Full Year (2 Periods)

This course is a fast paced course since students cover the material offered in Calculus AB with the addition of parametric, polar, and vector functions and sequences and series. Successful students will have completed both semesters of the traditional freshman college Calculus series. Most students will receive more college credit than students completing Calculus AB. Graphing calculators are required for the examination. The cost of the AP Examination is \$91. The LAB portion of this course is provided for students to receive individual help and time to work on Calculus assignments. All AP Calculus students also enroll in Calculus Lab. Fee: \$10.

5230 AP Statistics (11 - 12) Full Year

This is a course in data analysis. Students’ majoring in almost any field will need to take a course in statistics in college. Students who are successful in this course and pass the exam will receive 4 Semester hours of college credit. In most cases AP Statistics will fulfill the college requirement for an introductory Statistics course for nearly all majors. Traditionally students who take this course have already completed AP Calculus during the junior year, but now juniors are encouraged to take this course concurrently during the junior year with Sec III Honors. Seniors can also take it concurrently with AP Calculus. Fee: \$10.

SCIENCE – 3 CREDITS

3520 Biology (10 - 12) Full Year

Biology is the study of life! This course is a fantastic way to learn about the living world which surrounds us everyday. The Biology course in the high school core exposes students to a wide range of biological science topics in ecology, heredity and genetics, cellular biology, diversity of life, and evolution.

3524 AP Biology (10 - 12) Full Year

A full year college course in biology designed to prepare students for the AP Biology test. This is an exciting program that covers in depth biology topics with laboratory based concepts. AP Biology is designed to take the wonderful concepts of life, and to develop an even deeper understanding of them.

3590 Marine Biology (10 - 12) Full Year

Marine Biology is a field encompassing a wide range of topics. This class will touch on big topics of geologic history, diversity, ecosystems, and human impacts. A large portion of this class will cover coral reef ecology, and the biology of fishes. Learn about the wide range of marine ecosystems from the arctic, tidal, reef, open ocean and more. The course will also have a heavy emphasis on captive aquatic systems, and animal husbandry. Expect to get your hands wet!

3950 Ornithology (10 - 12) Full Year

Ornithology is the study of birds. This class will cover the anatomy, diversity, and splendor of avian life. The course has a heavy emphasis on the wildlife and habitats found around Farmington Utah, which is one of the top spots in the country for studying birds. This course is a field course, with a great amount of outdoor adventure. A strong science background is not required, but a strong sense of adventure is!

SCIENCE – 3 CREDITS

3620 Chemistry (10 - 12) Full Year

Chemistry is an exciting field, and a wonderful way to learn basic science concepts. This is an introductory course that studies atoms, their structure, and interactions. Applications of chemistry to real life will be presented throughout the year. Concepts presented in class will be reinforced through laboratory work.

3622 AP Chemistry (11 - 12) Full Year

This is a college level course designed to prepare students to successfully pass the AP test. Students will learn many theoretical concepts that will prepare them for further studies in chemistry and the medical profession and science related fields. Students will be doing advanced placement labs with calculators, probes and computers. This is a hands-on college level course.

3640 Physics (10 - 12) Full Year

This algebra based course will cover topics such as motion, force, energy, waves, sound, light, optics, electricity and magnetism. Methods include discussions, demonstrations, assignments, hands-on lab activities and projects such as bridge building, mini-car racing and water balloon launchers.



SCIENCE – 3 CREDITS

3645 AP Physics-1 (10 - 12) Full Year

This course includes an in depth view of motion, force, and energy. This course is for students who have been successful in Secondary Math II and are interested in working at honors levels and obtaining college credit. This is a college level course designed to prepare students to successfully pass the AP test. This is a lab based class with demonstrations, discussions and assignments. The focus for this class is on writing, communicating and explaining physics.

3647 AP Physics C Mechanics (11 - 12) Full Year

This course will discuss motion, force and energy in great detail with an emphasis in calculus. This is a college level course designed to prepare students to successfully pass the AP test. This course is a first year class for students looking at going into science or engineering fields in college. Students should be currently enrolled in calculus. This is a lab based class with demonstrations, discussions and assignments. The focus for this class is on the mathematics of physics.

3647 AP Physics C Electricity and Magnetism (11 - 12) Semester

This course will discuss electricity and magnetism with an emphasis on calculus. It is a second year physics course and is best for those students looking into science or engineering career fields. This is a follow-up course to AP Physics 1 or AP Physics C. This is a college level course designed to prepare students to successfully pass the AP test. Students should be currently enrolled in Calculus. This is a lab based class with demonstrations, discussions and assignments. The focus for this class is on the mathematics of physics.

3950 Astronomy (10 - 12) Semester (Paired with Botany)

A one semester class that covers a brief introduction to basic astronomy. Topics may include: constellations, solar system, star life cycle, the big bang and the expanding universe. Each learning module will be rich with hands-on activities, online interactives, articles and videos to supplement learning.

SCIENCE – 3 CREDITS

3951 Astronomy 2 (10 - 12) Semester

Prerequisite: Successful completion of Astronomy or Physics. A one semester class that delves deeper into current space exploration, space programs and current research. Students may work with local universities on a variety of research topics.

3875 Botany (10 - 12) Semester (Paired with Astronomy)

Botany is the study of plants. This semester long class will feature the opportunity to get out in nature as we learn about plant structure, evolution, diversity. Studying the biology and life processes of plants is a great way to learn about the world around us. We will also learn about the amazing processes within a plant cell, such as the amazing development of photosynthesis.

8338 Biotechnology (11 - 12) Full Year

This course actively engages you in exciting realistic labs like a real research scientist. Explore DNA manipulation by transferring real DNA from one organism into another (Secrets of the Rain Forest Lab). Analyze your own DNA from your sixteenth chromosome and compare it to people around the world (PV92 Lab). Explore genetically modified organisms as it relates to agriculture (GMO Lab). Investigate how your own immune system produces antibodies (Immuno Explorer Lab). Discover the bacteria used to make yogurt that flourishes in your own saliva (Yogurt and Dental Caries Labs). Grow your own bacterial cultures and investigate their origins. Become a scientist, use all the equipment that real scientists use and earn four (4) college credit hours through SLCC with the possibility to earn more while earning either your third year science credit or technology credit. Lab Fee \$10.00.

SOCIAL STUDIES – 2.5 CREDITS

6240 World History (10) Full Year

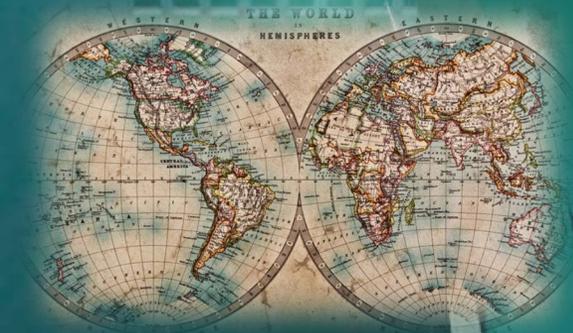
This course covers the emergence of civilization and classical societies, the development, diffusion, and interaction of cultures, the transition to the modern world, revolution and imperialism and global integration. Social studies skills including understanding geography, establishing chronology, comparing and contextualizing, analyzing primary and secondary sources, and communicating effectively are developed through effective and repeated practice. Civic preparedness is a key element of all social studies classes.

6245 AP World History (10) Full Year

This full year course is equivalent to a college level survey course in workload and content. It covers world history from 7000 BCE to Present. It is highly recommended that students be proficient readers to be successful. However, skills in reading, writing, analysis and others will be explicitly taught and practiced. Students will discuss themes that affected all of humanity—trade, religion, culture, politics, social structures and technology—and investigate how these elements have changed, interacted with each other and continued over a time in different cultures and localities. Student must exhibit the maturity necessary to discuss serious social, political and religious issues. Students taking this course will be prepared for and are expected to take the AP World History exam provided by College Board for possible college credit.

6250 US History (11) Full Year

This full year course is required of students for graduation. It is suggested to be taken the junior year. The course covers United States geographic, economic, social, political and historical developments post 1880. Social studies skills including understanding geography, establishing chronology, comparing and contextualizing, analyzing primary and secondary sources, and communicating effectively are developed through effective and repeated practice. Civic preparedness is a key element of all social studies classes.



SOCIAL STUDIES – 2.5 CREDITS

6254 AP US History (11) Full Year

This full year course is equivalent to a college level survey course in workload and content. The course is a comprehensive study of the political, social, economic and diplomatic developments in American from Colonization to the 2000's. Extensive reading and writing is required. Students should be committed to the academic rigor associated with an AP course. Students taking this course will be prepare for and are expected to take the AP US History exam provided by College Board for possible college credit.

6275 United States Government and Citizenship (12) Semester

This semester course is required of all students for graduation. It is suggested that students take the course their senior year. The course will focus on the foundations of American government, the protections and privileges of individual and groups, the distribution of government power, how citizens participate in government and the position of the United States in the world today. Social studies skills including understanding geography, establishing chronology, comparing and contextualizing, analyzing primary and secondary sources, and communicating effectively are developed through effective and repeated practice. Civic preparedness is a key element of all social studies classes. Students are required to take and pass the US Citizenship test for graduation.

6364 AP United States Government and Politics (12) Semester

This semester course equivalent to a college level survey course in workload and content. Students read and analyze documents and data and perform written tasks as a means of mastering the subject. As a result, students gain an understanding of the foundations of U.S. Government, political beliefs, the role of parties and interest groups, the institutions of the national government, public policy, and civil rights and civil liberties. Students taking this course are encouraged to continue their government studies by enrolling in AP Comparative Government and Politics 2nd semester. Students taking this course will be prepare for and are expected to take the AP United States Government and Politics exam provided by College Board for possible college credit.



SOCIAL STUDIES – 2.5 CREDITS

6374 AP Comparative Government and Politics (12) Semester

This semester course equivalent to a college level survey course in workload and content. Regular reading and preparation is essential to success in this course. Student will compare the government and political systems of six countries: China, Great Britain, Iran, Mexico, Nigeria and Russia. Students taking this course will be prepare for and are expected to take the AP Comparative Government and Politics exam provided by College Board for possible college credit.

6320 Psychology (10 - 12) Semester

This semester course will be the most important class you will ever take in your high school career! Come learn how you and the human beings around you work. Content will focus on the brain, consciousness, behavior, memory, and personality. Students will learn about psychological research by experimenting on their friends and family. You will leave the class with your mind blown!

6322 Abnormal Psychology(10 - 12) Semester

Have you ever wondered if Batman has PTSD? How crazy is the Joker? Psychology 2 is a project-based course where you are free to ask and answer any of those questions you may have. This course will focus on abnormal and social psychology. Come and diagnose the world. Leave being the smartest person at Farmington HS. Prerequisite: Psychology 1.

6320 Psychology of Sports (10 - 12) Semester

This semester course is designed to explore the mental, psychological and physiological factors that affect athletic, personal and professional performance. The concepts discussed in class can be directly applied to any sport/activity but more importantly, the skills discussed will help you in your daily life. Critical thinking and an open mind are essential for this class.

SOCIAL STUDIES – 2.5 CREDITS

6324 AP Psychology (11 - 12) Full Year

This full year course is equivalent to a college level survey course in workload and content. Study includes topics in such areas as research methods, the biological based of behavior, sensation, perception, development, consciousness, motivation, emotion, memory, thought, intelligence, social psychology, personality, abnormal psychology and therapy. In addition to providing students with a working knowledge of psychological theories, important concepts, and significant researchers, instruction will emphasize critical thinking, problem solving, and writing skills. Students taking this course will be prepare for and are expected to take the AP Psychology exam provided by College Board for possible college credit.

6340 Sociology (10 - 12) Semester

This semester course will challenge your life and how you view the world around you. The course is designed to foster life-long learning in exploring and understanding the link between societal issues, human attitudes, ethics, values and behaviors based in groups, rather than just the individual. Topics covered (but not limited to) crime & deviance, teen issues (friends, dating relationships, peer pressure and others) gender roles, media and popular culture.

SOCIAL STUDIES – 2.5 CREDITS

8696 CE Intro to Geospacial Tech (11 - 12) Semester

This semester course explores all of the amazing tools used today in satellite and drone imaging, location technology, map-making, mapping from data systems, and more. Concurrent Enrollment credit is available through Weber State University.

4597 AP Economics (10 - 12) Semester

AP Economics is a college level introductory course in the social science of both Macroeconomics (the study of the economy as a whole) and Microeconomics (individual markets and decision makers in the economy). You will gain a thorough understanding of the effect consumers, business, the government, and foreign trade and investment have on our economy and standard of living, as well as the economic factors that affect individual firms and business. You will be a better-informed citizen for having taken this class and gain a much greater understanding of the world around you! Any student planning any sort of career related to any kind of business would particularly benefit from this course. Two AP exams (Microeconomics and Macroeconomics) can be taken at the completion of this course.

AP SEMINAR AND RESEARCH

619 AP Seminar (11 - 12) Full Year

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Students taking this course will be able to take AP Research the following year. Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP Research but not on four additional AP Exams will receive the AP Seminar and Research. *AP Seminar may also be taken as a stand-alone option.

620 AP Research (11 - 12) Full Year

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question.

In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense.

Pre-requisite: Students must have successfully completed the AP Seminar Course



AP

FINANCIAL LITERACY – .5 CREDITS

2900 General Financial Literacy (11 - 12) Semester

This course is required for graduation. Students gain an understanding of personal finance principles as they relate to income, money management, spending, credit, saving, and investing. Students use this knowledge and related skills to take individual responsibility for personal economic well-being.

Students may alternatively take the Family and Consumer Science course **8419 Adult Roles and Financial Literacy** to fulfill the Financial Literacy graduation requirement.



DRIVER EDUCATION

2900 Driver Education (10 - 12) Semester

Driver Education is a four phase educational program designed to help students acquire the knowledge, attitude, and skills necessary for safe driving. Information covered includes basic fundamentals of driving laws, rules, and regulations as well as distracted driving. The class prepares students to obtain their Utah Driver's License. Driving is assigned before school, after school and weekends on an age priority basis. The class fee is \$75, and Utah State law requires Driver Education students to complete a minimum of 27 hours of class time. In order to coordinate class work and driving, students register according to when they have their 16th birthday:

September 1st through February 28th – 1st Semester

March 1st through August 31st – 2nd Semester



RELEASED TIME SEMINARY

850 Released Time (Seminary) (10 - 12) Full Year (No Credit Awarded)

See your counselor for Released Time options.



WORLD LANGUAGES

4520 French 1 (10 - 12) Full Year

French 1 is an introduction to the language and culture of the French-speaking world. The focus on this class is proficiency in speaking, reading, writing and listening. Because the focus is on what you can do with the language, this class is taught in at least 90% French. By the end of the year you'll be able to communicate using lists of words, memorized phrases and some created sentences.

4530 French 2 (10 - 12) Full Year

French 2 builds upon what you've learned already. The focus is still on proficiency in speaking, reading, writing and listening. The class is taught in at least 90% French. You will continue to expand your vocabulary and ability. By the end of the year, you'll be able to communicate using phrases, and created sentences.

4540 French 3 (10 - 12) Full Year

French 3 continues to expand your ability to communicate. Proficiency continues to be the crux of the class. The class is taught in at least 90% French. The overall goal of this year is to get students expressing their thoughts using original sentences.

4560 French 4 (10 - 12) Full Year

This is designed to be a Pre-AP class. French 4 expands your ability to communicate with the language even more. Proficiency will always be the focus of the class. The goal of this year is to be able to create your own sentences and begin to form them into ordered paragraphs with clear beginnings, middles, and ends.



WORLD LANGUAGES

4570/80 French 5/AP French (11 -12) Full Year

Students will be immersed in French; the course being taught in at least 90% French. Students will learn about the different French speaking cultures, celebrations, perspectives and practices. Students will refine thought, connecting words and phrases to write essays and perform tasks at the intermediate high level of proficiency.

4620 Spanish 1 (10 - 12) Full Year

Spanish 1 is an introduction to the language and culture of the Spanish-speaking world. The focus on this class is proficiency in speaking, reading, writing and listening. Because the focus is on what you can do with the language, this class is taught in at least 90% Spanish. By the end of the year you'll be able to communicate using lists of words, memorized phrases and some created sentences.

4630 Spanish 2 (10 - 12) Full Year

Spanish 2 builds upon what you've learned already. The focus is still on proficiency in speaking, reading, writing and listening. The class is taught in at least 90% Spanish. You will continue to expand your vocabulary and ability. By the end of the year, you'll be able to communicate using phrases, and created sentences.

4640 Spanish 3 (10 - 12) Full Year

Spanish 3 continues to expand your ability to communicate. Proficiency continues to be the crux of the class. The class is taught in at least 90% Spanish. The overall goal of this year is to get students expressing their thoughts using original sentences.

WORLD LANGUAGES

4650 Spanish 4 (10 - 12) Full Year

This is designed to be a Pre-AP class. Spanish 4 expands your ability to communicate with the language even more. Proficiency will always be the focus of the class. The goal of this year is to be able to create your own sentences and begin to form them into ordered paragraphs with clear beginnings, middles, and ends.

4660/70 Spanish 5/AP Spanish (11 - 12) Full Year

This course covers topics in the fields of beauty and aesthetics, contemporary life, families and communities, global challenges, personal and public identities and science technology. Students will learn about different Spanish speaking cultures, celebrations, products, perspectives and practices. Students will refine thought, connecting words and phrases to write essays and perform tasks at the intermediate mid to high level of proficiency.

4685 Spanish Bridge 3116 CE (10 - 12) Full Year (Spanish Immersion Program)

This course considers the role that current film, media, and entertainment play in the Spanish-speaking world. Students in this course will be exposed to the historical and cultural perspectives presented through these media. By the end of this course, students will be able to discuss familiar topics as well as some concrete social, academic, and professional topics.

An AP Spanish exam score of 3 or higher is required to take this course.



WORLD LANGUAGES

4900 Chinese 1 (10 - 12) Full Year

Chinese 1 is an introduction to the Chinese-speaking world, its language, and its people. The main emphasis is on oral skills while beginning to develop reading and writing skills. The student will be guided in recognizing the interrelationships of languages and will develop a cultural appreciation of the Chinese world. The goal of this course is to produce speakers with a novice-mid proficiency within the content learned in the course.

4907 Chinese 2 (10 - 12) Full Year

Chinese 2 continues to develop the oral skills with added emphasis on reading and writing skills. Expansion of vocabulary and grammatical structures continues. Contrast between English and Chinese will strengthen the language-learning process. Culturally-related activities of selected Chinese-speaking countries or regions will be explored. The goal of this course is to produce speakers with a novice-mid proficiency level.

4908 Chinese 3 (10 - 12) Full Year

Chinese 3 is an expansion of Chinese 2. It is designed to provide opportunities for the students beyond those available in the Chinese 2 class in listening, speaking, reading, and writing. It stressed the development of the student from novice-mid proficiency and aims to help the student move into the novice-high proficiency. The course includes some cultural reading passages, emphasizes communicative skills, and expands the use of grammatical constructions and vocabulary. Culturally related activities of selected regions or countries will be explored. In order to offer some courses with low enrollment, some classes may be combined with other language levels.



WORLD LANGUAGES

4910 Chinese 4 (11 -12) Full Year

Chinese 4 is an expansion of Chinese 3. It is designed to provide talented language students opportunities beyond those offered in other language classes. The course utilizes higher-level/critical thinking skills and focuses on the development of intermediate- low proficiency in oral, read, and writing skills, and expanded use of grammar and vocabulary. The focus of this course is an intermediate-low speaking proficiency. In order to offer some courses with low enrollment, some classes may be combined with other language levels.

4850 American Sign Language 1 (10 -12) Full Year

This class is an introduction to the language and culture. The main emphasis is on communication while developing receptive and productive skills. The students will be guided in recognizing the interrelationships of languages and will develop a cultural appreciation of the deaf world. The focus of this course will be on novice proficiency.

4851 American Sign Language 2 (10 -12) Full Year

This course is a continuation of the ASL Level I course. Topics covered include intermediate ASL grammar, structure, and syntax, as well as in-depth discussions of deaf culture and customs. Students will learn more about the history of American Sign Language and its role in the deaf community as well as the ethical issues and professional practices for sign language interpreters. Information about the Registry of Interpreters for the Deaf and the process necessary to become a certified sign language interpreter will be covered.

PHYSICAL EDUCATION – 1.5 CREDITS

7710 Fit for Life (10 - 12) Semester

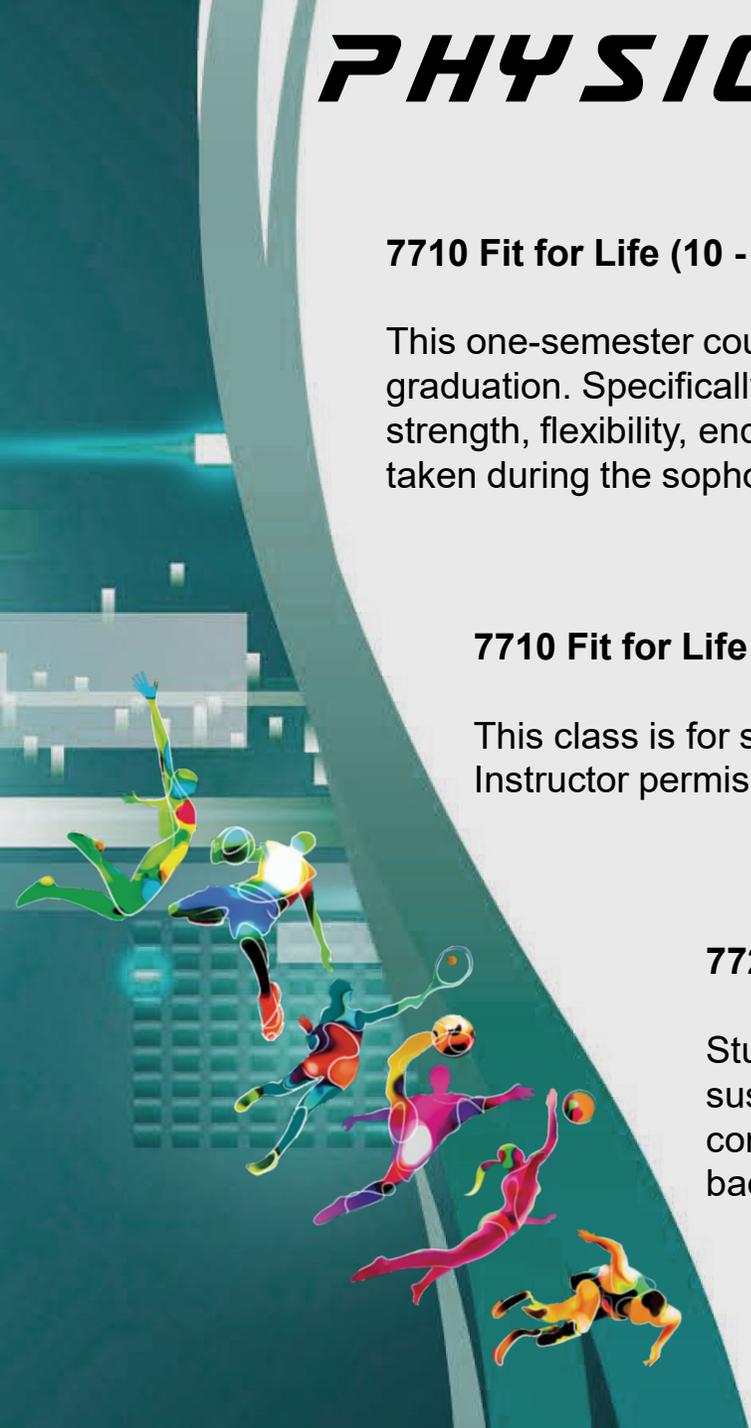
This one-semester course helps each student adopt a personal lifestyle that will achieve physical fitness and is required for graduation. Specifically, students will identify and understand all of the components of fitness, such as cardio-vascular fitness, strength, flexibility, endurance, weight control, nutrition, and stress management. It is a highly recommended that this course be taken during the sophomore year.

7710 Fit for Life Football 10 (10) Semester

This class is for students wanting to condition in preparation for playing on the Farmington High School Football team. Instructor permission is required to enroll. Fit for Life Credit may be awarded with the instructor's consent.

7720 Lifetime Activities (10 - 12) Semester

Students in this one-semester course will acquire skills in a variety of lifetime activities that contribute to sustained fitness and well-being. These skills and activities offer positive ways to cope with stress and contribute to the quality of life not only as a student, but as a future adult. Some of these activities will include badminton, volleyball, tennis, golf, softball and bowling.



PHYSICAL EDUCATION – 1.5 CREDITS

7753 Team Conditioning (10 - 12) Semester

Students on athletic teams will need to check with their coach regarding class period and semester offerings. This class is for students wanting to condition in preparation for playing on a sports team. Students can take this class even if they are not on a current athletic team. Fit for Life Credit may be awarded with instructor's consent and additional coursework.

7753 Team Conditioning Football (11 - 12 1st Sem.) (10 - 11 2nd Sem.) Full Year and Semester

This class is for students wanting to condition in preparation for playing on the Farmington High School Football team. Instructor permission is required to enroll. Fit for Life Credit may be awarded with instructors consent.

7753 Team Conditioning Basketball (10 - 12) Full Year

This class is for students wanting to condition in preparation for playing on the Farmington High Boys Basketball team. Instructor permission is required to enroll. Fit for Life Credit may be awarded with instructors consent.

7785 Body Conditioning (10 - 12) Semester

This one semester course offers weight training to beginners, intermediate, and advanced students. Running programs, plyometrics, and conditioning routines will be provided and added to daily activities. This will be a Semester class in which elective credit will be given. This is a course provided for all students.

PHYSICAL EDUCATION – 1.5 CREDITS

7720 Basketball Skills (10 - 12) Semester

This one-semester course offers students of all basketball abilities the opportunity to learn basic basketball skills like dribbling, shooting, and passing. They will also play daily competitive 1 on 1, 3 on 3, and 4 on 4 games throughout the semester with bracketed tournaments at the end of each league season.

7795 Yoga (10 - 12) Semester

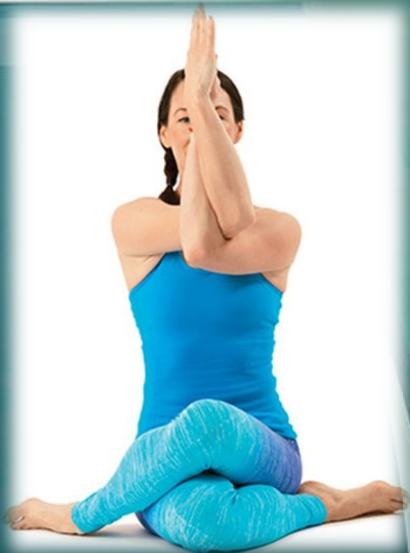
Yoga means “union” and is from the ancient language of Sanskrit. It seeks to unite your physical, mental, and spiritual self. Hatha Yoga will be the focus in this class. We will be working with the body through postures, breathing, and relaxation. Yoga can be viewed as a course in fitness training, sports therapy, lifestyle enrichment, and stress reduction.

7840 Drill Team (10 - 12) Full Year

This is a specially selected precision dance-drill group open to selected sophomores, juniors, and seniors. It is a full year course. Audition and selection for the team will occur in the Spring prior to the next school year.

7950 Cheerleading (10 - 12) Full Year

The cheerleaders are a specially selected group of sophomores, juniors, and seniors. It is a full year course. Audition and selection for the team will occur in the Spring prior to the next school year.



FINE ARTS-1.5 CREDITS

DANCE

7800 Dance 1 and 2 (10 - 12) Semester

Explore dance as an art form, learn the elements and origins of dance, the relationship of music and dance, basic dance technique, and a variety of dance styles. In accordance with the state core curriculum for Dance, the main focus will be modern/creative dance.

7816 Dance 2 A (CE) - Intermediate (10 - 12) Semester

This is an introduction to creative dance movement, technique and theory, with an emphasis on loco motor skills and movement expression. It introduces basic elements of dance: time, space and energy. This course builds knowledge and skill in improvisation, choreography, dance history, culture, life skills and connections to other curricular areas. Brief introductions to the basic steps and concepts of ballet, jazz, and tap may be included. Concurrent Enrollment credit is available for this course through Weber State University.

7825 Dance Company (10 - 12) Full Year

This is an advanced dance class geared toward the performing experience. An in-depth study of choreography, composition, and rhythm is explored at this level. Auditions will be held in the Spring for the following school year.



FINE ARTS-1.5 CREDITS

VISUAL ARTS

1151 AP Art Criticism and Criticism (10 - 12) Full Year

The Advanced Placement offering in the History of Art is designed to provide the same benefits to secondary students as those provided by an introductory college course in art history, an understanding and enjoyment of architecture, sculpture, painting and other art forms within historical and cultural contexts. Students receive advanced placement credit by passing the AP exam at the end of the year. No prior experience in the history of art is assumed for those students who take the course. The course does require a high degree of commitment to academic work and to the purposes of a program designed to meet college standards.

1190 Foundations Art 2 Elements and Design (10 - 12) Semester

Foundations Art 2 Elements and Design are two parts to the same class but students are taught different fundamentals in each class. This is an excellent class focusing on the elements of art and provides a broad and varied experience for the artist of every skill level. The class includes instruction into basic drawing techniques that will be used in a variety of media including pencil, colored pencil, scratch art, charcoal, printmaking, oil pastels, and mixed media. Fee \$15.00 per semester.

1230 Drawing 1 (10 - 12) 1st Semester

Drawing 1 is an introductory class. No experience is necessary! It is a semester class which will cover the following:

- Learning to draw what the eye sees. This makes our drawings look real.
- Learning the basics of linear perspective.
- Drawing and shading to create the illusion of form (3-D)
- Gaining skill in various media which may include, pencil, scratchboard, pastels, charcoal and colored pencil. Fee \$15.00.

FINE ARTS-1.5 CREDITS

VISUAL ARTS

1232 Drawing 2 (CE) (10 - 12) 2nd Semester

Drawing 2 will build on the skills learned in Drawing 1. Students will continue to build their observational skills and become more competent in various media. They will also focus on creating artistic drawings that exhibit creativity, beautiful mark making and good design principles. Fee \$15.00. Concurrent Enrollment credit available.

1110 Ceramics 1 (10 - 12) Semester

Course content and projects instruct students in creative process and thoughtful design with one of the most exciting artistic mediums: kiln fired clay. Students learn basic skills of wheel-thrown and hand-built ceramics in this one semester studio art course, and develop a beginning portfolio of several completed ceramics projects. Prerequisite: Art Foundation 2. Fee \$15.00.

1115/1116 Ceramics 2 and 3 (10 - 12) 2nd Semester

Students continue studio art experience in clay with both wheel-thrown and hand-built ceramics projects. Basic skills are enhanced with continued studio practice, and students are encouraged to develop projects particular to individual interests. Sculptural elements of 3D art are emphasized. Intermediate level 3D art portfolios are developed. Ceramics Two and Three are one semester each. Prerequisite: Ceramics 1. Semester Fee \$15.00.

FINE ARTS-1.5 CREDITS

VISUAL ARTS

1120 Jewelry 1 (10 - 12) Semester

This course is designed to introduce students to the basic techniques and the elements of design necessary for the design and fabrication of jewelry and small three-dimensional metal forms. Basic metal manipulation and developing proficiency with the tools of jewelry-making are central to this course. Each student will learn basic skills in many areas such as: wire bending, bead making, hemp knotting, glass fusing, resin, clay, riveting, sawing, stamping, texturizing, soldering and finishing metal techniques.

Prerequisite: Art Foundation 2. Fee \$15.00.

1125 Jewelry 2 (10 - 12) 2nd Semester

This course is designed to introduce the student to advanced jewelry design as an art form. Students will explore various materials and techniques while working on the fundamentals of design. Course goals include acquainting the student with advanced techniques of working with a variety of materials, while developing the ability to execute designs of their own creation. Each student will learn advanced skills in many areas such as: lost cast waxing, prong and bezel setting, soldering and finishing metal techniques. Prerequisite: Art Foundation 2 and Jewelry 1. Fee \$15.00.

1200 Acrylic Painting (10 - 12) Semester

This is an excellent course where students develop fun painting techniques using acrylic paint and acrylic mediums. Students can paint on a variety of surfaces and learn how to mix and blend colors beautifully. Students learn how to use a variety of brushes and implements to capture a variety of different textures. Semester Fee \$15.00.

FINE ARTS-1.5 CREDITS

VISUAL ARTS

1205 Watercolor Painting (10 - 12) Semester

This is an excellent course wherein students will learn to create works of art using watercolor in a three step painting process: the wash layer, the depth layer, and the detail layer. Students will also learn to incorporate creative elements such as salt, mistkett, rubbing alcohol, masking tape, and plastic wrap to add texture, dimension and interest to their work. Fee \$15.00.

1206 Painting 3 Advanced (10 - 12) Semester

Advanced painting class for students who have completed Acrylic or Watercolor classes. Students will exhibit exceptional painting skills which includes: painting light to dark, painting texture and fine details and color mixing.

1234 A.P. Studio Art 2D Design/Drawing (11 - 12) Semester

This class has been designed for advanced art students who have accepted the challenge of a rigorous artistic curriculum. This class allows more freedom in choosing subjects and media than other classes. However, it will also require more initiative and decision making ability. All students are expected to strive for excellence in Creativity, Design, and Skill in using various media.

Students will develop an AP portfolio with the objective of earning college general education credit. Generally, students will need a minimum of 3 semesters of Studio Art to complete an AP portfolio. Students will develop a portfolio with the objective of applying for college art scholarships and being prepared for college level art major and minor programs. Students will develop advanced art skills for personal goals and enjoyment. Students may take as many semesters as they please and have room for in their schedules. Fee \$15.00.



FINE ARTS-1.5 CREDITS

VISUAL ARTS

8831 Digital Photography (10 - 12) Semester

Photo 1 is a beginning course designed to offer experiences with digital cameras. This course will cover basic concepts for purchasing a digital camera, image capture, image editing, elements of design, composition, photographic theory and history, applications, and practice. Students learn manual camera functions including control of aperture, shutter speed, and lens choice to offer greater creative and technical control. The elements and principles of design as they relate to photographic composition are emphasized. Students also learn to examine images critically through critiques. Digital processing techniques are introduced using Adobe Photoshop. Successful completion provides a foundation for further study in advanced photography courses. This course requires three to four hours of homework (taking photos) each week. Prerequisite: Art Foundations 2. Fee \$15.00.



FINE ARTS-1.5 CREDITS

VISUAL ARTS

8832 Commercial Photography (11 - 12) Full Year

This course provides students with a variety of technical and creative skills. Assignments explore the creative possibilities of manual control of the camera and lens. Camera Raw workflow will be covered. Continued Photoshop lessons will be assigned and digital asset management using Adobe Bridge will be taught. This course also focuses on studio portraiture and principles of lighting. Students learn to use studio strobes and light modifiers. Emphasis will be placed on the creative and commercial aspects of studio portrait photography. Retouching and enhancing images in Photoshop will be taught. Students will learn the historical events and trends that gave rise to photography as an accepted art form and shape the current attitudes, aesthetics, and direction of photography. Location portraiture will cover both reflective and subtractive lighting techniques. Professional display of photographs using mats and frames will be expected for the final portfolio at the end of the semester. This course requires at least three to four hours of homework (taking photos) each week. Prerequisite: Digital Photography. Fee \$15.00.



FINE ARTS-1.5 CREDITS

VOCAL PERFORMANCE

1710 Intro to Music CE (11 - 12) Semester

This class reviews the history of music in Western Civilization, beginning with ancient Greece and concluding with music of the 20th century. Students will learn to analyze music as they listen to it, distinguishing elements from the different periods of music history. This class generates Weber State College humanities credit.

1825/26 Choir Level 3 S/A (Female) and T/B (Male) (10 - 12) Full Year

This choir performs a wide variety of music and is designed to prepare students for participation in the most advanced choirs during their senior year. Requirements: Rehearsals outside class time, prescribed concert attire, and performances outside class time.

1820 Choir Level 3 Concert (10 - 12) Full Year

This choir represents FHS at all Region and State level festivals. It is the most advanced of the large ensembles. Music performed covers many styles and periods.

Requirements: Rehearsals outside class time, prescribed concert attire, and performances outside class time.
Prerequisites: Audition or permission of director and previous choral experience.



FINE ARTS-1.5 CREDITS

VOCAL PERFORMANCE

1828 Choir Level 3 Advanced Ladies (10 - 12) Full Year

Select treble vocal ensemble of 25 which performs extensively and represents FHS on the Region and State levels. They perform heavily during Christmas. Prerequisites: Audition, and previous choral experience. Requirements: Rehearsals outside class time, prescribed concert attire, and performances outside class time.

1830 Choir Level 3 Madrigals (11 - 12) Full Year

Select mixed vocal ensemble of 25 which performs extensively and represents FHS on the Region and State levels. They will perform heavily during the Christmas Season as well as many other opportunities throughout the year. Prerequisites: Audition and previous choral experience. Requirements: Rehearsals outside of class time, including summer and UEA break, prescribed concert attire performances outside class time.



FINE ARTS-1.5 CREDITS

INSTRUMENTAL PERFORMANCE

1804 AP Music Theory (11 - 12) Full Year

This class welcomes anyone who would like to know how music functions. It is very helpful if you know your key signatures! You will explore the building blocks of music as well as melodic and harmonic dictation and analysis. The curriculum presented will prepare you to pass the AP Test.

1840 Band Level 3 Concert (10) Full Year

This course reinforces fundamental musical skills as students prepare music for performance. Emphasis is placed on tone quality, intonation, technical facility, and musical expression as the students perform a variety of music. This organization performs in concerts and festivals throughout the school year. Requirements: Rehearsals outside class time, concert black dress, and performances outside class time. \$85.00 instrument rental fee for school owned instruments.

1840 Band Level 3 Symphonic (11-12) Full Year

This course provides continuing opportunities for musical growth through the performance of advanced wind band literature. Emphasis is placed on refining technical skills and musicality. This group performs in concerts and festivals throughout the school year. This is an auditioned class. Requirements: Rehearsals outside class time, concert black dress, and performances outside class time. \$85.00 instrument rental fee for school owned instruments



FINE ARTS-1.5 CREDITS

INSTRUMENTAL PERFORMANCE

1852 Band Level 3 Wind Ensemble (10-12) Full Year

This group is comprised of elite musicians who can handle the responsibility of highly advanced wind band literature. Emphasis is placed on refining technical skills and developing musicality. This group performs in many concerts and festivals throughout the school year. This is an auditioned class. Additional requirements include: Rehearsals outside class time, concert black dress, and performances outside class time. \$85.00 instrument rental fee for school owned instruments.

1848 Band Level 3 Jazz and Jazz Ensemble (10-12) Full Year

This group is composed of elite musicians who can handle the responsibility of advanced jazz literature. Emphasis is placed on understanding and performing the many varieties of jazz styles. This group performs regularly as a dance band throughout Davis County and performs in concerts and festivals throughout the school year. The Jazz program is split into 2 separate classes. 1848 Jazz Band is open to any student, and 1848 Jazz Ensemble is an auditioned class.

1850 Marching Band (10-12) Additional Class/Summer

This program provides an excellent opportunity for teaching discipline, teamwork, and leadership skills, marching band is highly recommended to all band members. The primary goal of the marching band is to prepare and perform a high quality field show at both high school and college venues throughout Utah. The marching band performs in multiple competitions, parades and football games throughout the summer and fall. Marching Band includes percussion, winds and color guard.



FINE ARTS- 1.5 CREDITS

INSTRUMENTAL PERFORMANCE

1860 Orchestra (10-12) Full Year

This course will concentrate on advancement of skills (technical and musical), study of music forms/styles/periods and creative development. Prerequisites: Previous participation in the group, junior high orchestra or audition. Requirements: Performances outside of school day and prescribed concert attire.



FINE ARTS-1.5 CREDITS THEATRE

4255 Theatre Level 3 Beginning (10 - 12) Semester

This course is an introduction to the theater and is designed to aid the beginning theatre student in becoming better acquainted with all aspects of theatre. Areas of study include improvisation, pantomime, characterization, scene work, monologues, playwriting and analysis. This is not the same course offered at the junior high level. The junior high course is not a required prerequisite for this course.

4256 Theatre Level 4 Intermediate (10 - 12) Full Year

This is a more advanced course in theatre for students who have successfully completed Theatre Level 3 and who desire a more intensive study of theatre. This course provides many more performance opportunities as well as study in classical acting, design, theatre history, playwriting, scene work, and directing.

4258 Theatre Level 4 Creative Film History (10 - 12) Semester

This class considers key films, film movements, and film directors, from early silent films to the present. Live action and animated features will be examined and analyzed. Students will gain a working understanding of film technique and be able to critically evaluate films.

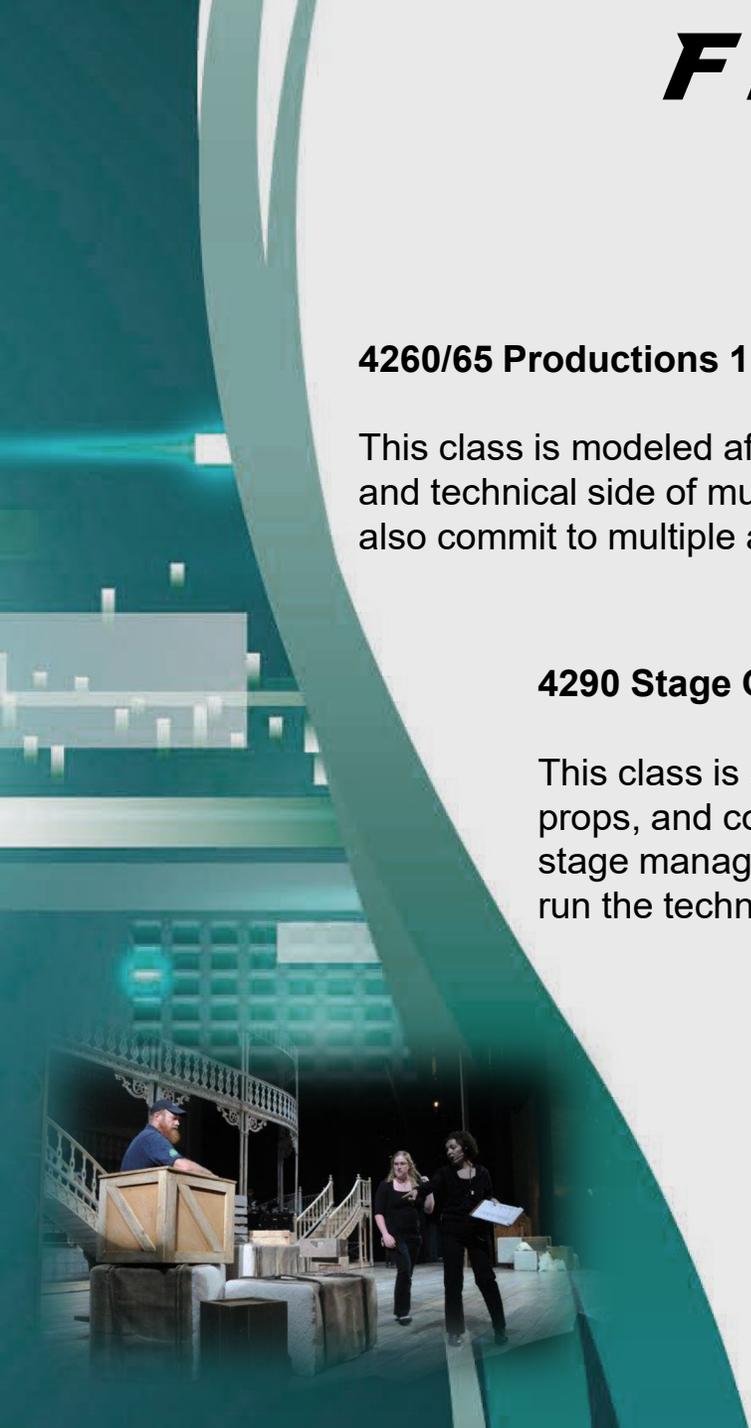
FINE ARTS-1.5 CREDITS THEATRE

4260/65 Productions 1 and 2 (10 - 12) Full Year

This class is modeled after a professional theatre production company. The students in this class participate in both the performance and technical side of multiple productions throughout the year. Class time is comprised of mostly rehearsals. Students in this class also commit to multiple after school rehearsals and performances. An audition and teacher approval are required.

4290 Stage Craft (10 - 12) Full Year

This class is a study of “backstage” theatre. Students learn techniques in design, construction, and painting of scenery, props, and costumes. Students learn basic aspects of sound and lighting design. Students learn fundamental skills in stage management. The class will design, and build all of the sets, props, and costumes for FHS productions, as well as run the technical aspects for all performing arts events.



DEBATE

4240 Debate 1 (10 - 12) Semester

Students will participate in a variety of speech activities designed to increase communication, argumentative and persuasive skills as well as confidence in public speaking. This is a competitive class and attendance at tournaments and after-school labs is required. There is a \$60 debate class fee, a \$20 district transportation fee, and a \$20.00 (one-time) fee to join the NFL. The total fee is \$100.00.

4243 Debate 2 (10 - 12) Full Year

This class is designed for returning members of the speech and debate team. Students will compete extensively throughout the year. Tournament and lab attendance is required. Students will refine debate and speaking skills. Emphasis will be placed on research and analytical skills. There is a \$60 class fee and a \$20 district transportation fee. The total fee is \$80.00 per year. Students must meet eligibility requirements.

4244 Debate 3 (11 - 12) Full Year

This is a class for returning members of the speech and debate team. Students will compete extensively throughout the year. Tournament and lab attendance is required. Students will refine debate and speaking skills. Emphasis will be placed on research and analytical skills. There is a \$60 class fee and a \$20 district transportation fee. The total fee is \$80.00 per year. Students must meet eligibility requirements.



CTE-1.0 CREDITS

BUSINESS

8500 Accounting 1 (10 - 12) Semester

Accounting is for everyone! You will have a better understanding of how a business operates and makes money. Everybody will work in a business someday, and everybody loves making money! If your future includes a business major or if you are an entrepreneur operating your own business, this course is especially for you. Accounting 2 second semester is strongly encouraged for further job and college preparedness and to fulfill the math credit. Fee \$10.00.

8503 Accounting 2 (10 - 12) Semester

You will create financial records and manage money for a merchandising corporation; you will have a better understanding of how a corporation operates. The second year of accounting, Advanced Accounting, is strongly recommended for anyone planning a business major in college or for entrepreneurs who are operating their own businesses. Prerequisite: Accounting 1. Fee \$10.00.

7692 CE Introduction to Criminal Justice(10 - 12) Semester

This course exposes students to three components of the criminal justice system: Police, Courts, and Corrections and their place in American Society

CTE-1.0 CREDITS

BUSINESS

8542 Business Management CE (11 - 12) Semester

This Business Management course seeks to develop sound management concepts within students, as management plays a role in any future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g., marketing, finance, and production/operation). Effective management requires decision-making abilities, long-range planning knowledge, human relations expertise, and motivational skills. Students learn the four basic functions of management: planning, organizing, directing, and controlling.

8572 Business Law (10 - 12) Semester

Students will gain an understanding of the law as it relates to them currently and the implications of the law in their future lives as well as the lives of their family and friends. They will also work to gain an understanding of basic legal vocabulary. The course will include an understanding of the court system at the local, state, and national level. Students will gain an understanding of contract law, their rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships, and the understanding of the regulations governing different types of business organizations. As a culminating project students will participate in one or more mock trials. Fee \$10.00.

CTE-1.0 CREDITS

BUSINESS

8523 Business Office Specialist CE (11 - 12) Semester (Fulfills the Digital Studies Requirement)

This semester course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students will integrate applications learned. Students may earn CE credit and given the opportunity to earn Microsoft Office Specialist (MOS) industry certifications. University requirements for enrollment in CE courses must be met. Additional costs may be assessed by the sponsoring university.

8555 Digital Business Applications (10 - 12) Semester (Fulfills the Digital Studies Requirement)

The business world is progressively more reliant on digital technologies. Preparing students to be college and career ready, Digital Business Applications course is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Concepts include the overall digital experience, digital communications, digital media and the exploration of career choices. This course also provides practical experience in professionalism using various forms of presentation skills, including speaking, podcasting and digital portfolio relating to the globalization of business.



CTE-1.0 CREDITS

MARKETING

8236 Marketing 1 (10 - 12) Semester

Marketing 1 is the foundation for all marketing courses. Students will learn basic principles that lead to careers in marketing, finance, hospitality, and management. Students will be introduced to the world of marketing including the free enterprise system. The seven core functions of marketing will be examined: Marketing Planning, Marketing-Information Management, Pricing, Product/Service Management, Promotion, Channel Management, and Selling. A central focus throughout the course will be the development of soft skills including teamwork, oral communication, written communication, decision-making, and emotional intelligence. Students should have the opportunity to participate in DECA, a student organization that prepares emerging leaders and entrepreneurs. DECA related activities and curriculum can be used as an approved part of all marketing classes.

8237 Marketing 2 CE (11 - 12) Semester

This project-based course allows students to develop and demonstrate management level marketing skills. Students will learn advanced marketing principles then demonstrate proficiency by completing a marketing project. The majority of class time will be spent by students completing their marketing project. Examples of projects include creating an advertising or public relations campaign, developing a business plan, conducting market research for a business and making suggestions for improvement, or completing an official DECA written project. Each project will include a written and presentation component. University requirements for enrollment in CE courses must be met. Additional costs may be assessed by the sponsoring university.

CTE-1.0 CREDITS ***MARKETING***

8543 Entrepreneurship CE (10 - 12) Semester

You don't have to work for somebody else—you can be your own boss. In You, Inc. students learn how to start and operate a business and will become aware that there are countless opportunities even for teenagers. Starting and operating an Internet business will be emphasized. We will discuss how to select a business to start, the key character traits and attitudes of a successful entrepreneur, whether you should go it alone or have a partner, how to market and promote your business and product/service, and more. Projects are personalized to meet the interests of individual students. You, Inc. is designed for students who have completed Marketing and have an interest in being their own boss. Perfect class to help you move to your next educational experience and future profession!

8241 Customer Service CE (11 - 12) Semester

The focus of this course is for students to gain an understanding of the skills, aptitudes, and thought processes necessary to achieve customer satisfaction and loyalty in a variety of settings. Students will learn and develop customer service strategies as well as the skills and abilities necessary for working with customers; this will include helping customers to make decisions as well as resolving concerns and issues that may arise. Students will be actively involved in leadership with our student store. Students will have the opportunity to participate in DECA. Prerequisite: Marketing 1.



CTE-1.0 CREDITS ***MARKETING***

8239 Retailing CE (11 - 12) Semester

The study of the retail buyer's duties, different buying organizations, and techniques, procedures of purchasing merchandise for resale and retail merchandising strategies. This course will provide insight into the theory and application of merchandise/service assortment, pricing, promotion mix, location, store layout, and customer service activities necessary for successful retail operations. Students will be actively involved in leadership with our student store. Students will have the opportunity to participate in DECA. Prerequisite: Marketing 1.



CTE-1.0 CREDITS

FAMILY AND CONSUMER SCIENCE

8421 Food and Nutrition 1 (10 - 12) Semester

This is an instructional course that prepares students to understand the principles of nutrition and healthy lifestyles. Instruction is given on MyPlate and about the relationship of nutrition to health and well-being; the selection, preparation, and proper care of food. FCCLA, a student organization, is an integral part of this course and participation is encouraged. Aprons are required. Lab fee: \$20.

8478 Food and Nutrition 2 (10 - 12) Semester

This is an instructional course that prepares students to understand the principles of nutrition and healthy lifestyles. Principles are taught in the selection, preparation, and care of food. Instruction is given on meal management in meeting individual and family food needs, sports nutrition, optimal use of the food dollar, and careers in the food industry. FCCLA, a student organization, is an integral part of this course and participation is encouraged. Aprons are required. Lab fee: \$20.

8453 Pro Start 2 (10 - 12) Full Year

This course covers the curriculum written by the National Restaurant Association. The course explores many aspects of the Culinary Arts industry from basic food preparation, safety and sanitation to management skills. Classroom instruction is reinforced through field trips, guest speakers and hands-on experience while operating The Nest (student run cafe serving the faculty). Students with a desire can earn a ProStart certificate from the National Restaurant Association by completing the course in combination with hours worked in a food service job. The course is a good introduction for students interested in pursuing a career in the Culinary Arts field. FCCLA, a student organization, is an integral part of this course and participation is encouraged. Students will also be required to receive a food handler's permit within the first term of the course. Class fee: \$20.



CTE-1.0 CREDITS

FAMILY AND CONSUMER SCIENCE

8479 Foundations of Nutrition CE (11 - 12) Semester

WSU NUTR 1020 (3 Credits). Students taking this course will focus on dietary principles with an emphasis on health maintenance and balanced nutrition. This course also addresses the energy-producing components of diet, exercise, and weight control. **THIS IS NOT A COOKING CLASS.** Students may receive 3 hours of Life Science credit at WSU. It is suggested that students have a 3.0 cumulative GPA to take this class. University requirements for enrollment in CE courses must be met. Additional costs may be assessed by the sponsoring university. Required online textbook: Approximately \$100.00.

8482 Nutrition and Sustainable Cooking CE (11 - 12) Semester

WSU NUTR 1240 (3 Credits). This course will develop skills, knowledge, and competencies for individuals to support more sustainable ways to acquire, prepare, and consume food to support a healthier population and environment. Principles of food science will be applied in a foods lab that will help students develop basic culinary skills. Approximately \$35.00.

8406 Child Development (10 - 12) Semester

This child development course is designed to teach students about the preparations needed for parenting; human reproduction, heredity, birth defects, prenatal development, pregnancy, birth, teen pregnancy, positive guidance, children's self-esteem, financial responsibilities of parenting, nutrition, health and safety. Focus is then placed on understanding what is normal growth and development for children from infancy to school-age. Students will have the opportunity to take a computerized Real Care Baby home for a weekend and care for it. FCCLA, a student organization, is an integral part of this course and participation is encouraged. Fee: \$10.



CTE-1.0 CREDITS

FAMILY AND CONSUMER SCIENCE

8444 Early Childhood Education 1A (10 - 12) Semester

This course prepares students for child-related careers and/or more extensive parenting skills through instructions and hands-on lab experiences. This course prepares students for careers related to early childhood education through hands-on experiences that 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. FCCLA, a student organization, is an integral part of this course and participation is encouraged. Prerequisite: Child Development. Class fee: \$10.

8445 Early Childhood Education 1B (10 - 12) Semester

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 experiences. This course prepares individuals for careers and entrepreneurial opportunities in 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, supervising recreational and play activities, and preparing, implementing and evaluating learning experiences for children. FCCLA, a student organization, is an integral part of this course and participation is encouraged. Prerequisite: Early Childhood Education 1A. Class Fee: \$10.00 Workbook fee: \$25.00.



CTE-1.0 CREDITS

FAMILY AND CONSUMER SCIENCE

8446 Early Childhood Education 2 (11 - 12) Semester

This course prepares students for careers related to early childhood education through hands-on experiences that 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 in Early Childhood Education. All lab hours qualify towards a student's Child Development Associate (CDA) credential. FCCLA, a student organization, is an integral part of this course and participation is encouraged. Prerequisite: Early Childhood Education 1B. Class fee \$3.00.

8419 Adult Roles and Financial Literacy (11 - 12) Full Year (Fulfills the GFL Requirement)

This course prepares students to understand the nature, function, and significance of individual and family relationships integrated with general financial literacy. Topics include: decision-making to set and implement financial goals, values, communication skills, self-awareness, families, sources of income and the relationship between income and career preparation, crisis management, marriage preparation, marriage, money management, saving, investing, parenting, and retirement planning. Students who complete the entire course fulfill the General Financial Literacy graduation requirement. FCCLA, a student organization, is an integral part of this course and participation is encouraged.

CTE-1.0 CREDITS

FAMILY AND CONSUMER SCIENCE

8424 Interior Design (10 - 12) Semester

This course enables students to explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized. Other topics include furniture arrangement basics, floor plan evaluation, area planning and careers. This course allows students to develop their creativity while applying the principles and elements of design in this exciting world of interiors. Students will also work with color concepts and schemes, textures, fabrics, floors, walls, and window treatments, kitchen design, lighting, and home furnishings through individual projects. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. FCCLA may be an integral part of this course. Lab Fee: \$10.00.

8425 Interior Design 2 CE (10 - 12) Semester

WSU IDT 1010 (3 credits). This course follows the Weber State University course curriculum. This course provides students the opportunity to develop skills in applying the elements and principles of design to interiors. Projects are integrated throughout the course to provide applications as the students study American architecture, furniture styles and constructions, surface treatments and backgrounds, design and function of space and lighting, floor planning, 3D Design, textiles, and color. This course offers Weber State University General course credit. University requirements for enrollment in CE courses must be met. Additional costs may be assessed by the sponsoring university. Lab Fee: \$10.00 Supplies required.



CTE-1.0 CREDITS ***HEALTH SCIENCE***

7150 Health Education 2 (10 - 12) Semester (Health Credit, Not a CTE Course)

This one-semester course assists in the continual development of skills needed to improve the quality of life. The course emphasizes the physical, social, and mental dimensions of people so that students become better informed consumers of health information. It offers students the opportunity to evaluate health practices, products, and services.

7745 Mind and Body Wellness (10 - 12) Semester (Elective Credit, Not a CTE Course)

This course is designed to provide students with hands-on learning opportunities and activities that will help the student develop life-long skills and strategies to promote wellness of the body and mind. Topics that will be covered include a variety of physical activities, coping strategies, nutrition and methods to monitor and measure individual performance.

8337 Introduction to Health Science (10 - 12) Full Year (Health and CTE Credit)

Recommended for students planning to take Medical Anatomy and Physiology (MAP) or Health/Fitness classes during their Junior and or Senior years. This year-long course is designed to create an awareness of career possibilities in health care and inform students of the educational options available for health science and technology programs. Instruction includes beginning anatomy and physiology, medical terminology, medical ethics, diseases and disorders. A \$5.00 fee is required for

CTE-1.0 CREDITS HEALTH SCIENCE

8339 Medical Anatomy & Physiology CE (MAP) (11 - 12) Full Year 2 Periods

WSU 2 credits Health Science 1101, 3 credits Health Science 1120.

This course provides a review of health technology and medical fields with opportunities for career exploration and clinical experiences in a variety of medical and health care professions. Curriculum includes detailed study of anatomy, physiology, medical terminology, pathophysiology, medical ethics, and Clinical Case Studies. Students successfully completing the course requirements are eligible to receive 5 Concurrent Enrollment College credits. Students also receive Utah State Office of Education CTE Skill Certification in Anatomy and Physiology, and Medical Terminology. HOSA membership encouraged.

8350 Exercise Science/Sports Medicine CE (11 - 12) Full Year

WSU 3 credits 2175 Introduction to Sports Medicine. This is a full-year course designed to teach students components of exercise science/ sports medicine; including exploration of therapeutic careers, medical terminology, anatomy and physiology, first aid, emergency response, injury prevention principles, the healing process, rehabilitation techniques, therapeutic modalities, sport nutrition, sport psychology and performance enhancement philosophies. HOSA membership encouraged.. Material fee of \$50, which covers taping materials and certifications.

CTE-1.0 CREDITS ***HEALTH SCIENCE***

8343 Nursing Assistant (CNA) (11 - 12) Semester 2 Periods

This course is taught by a Registered Nurse. You will learn how to perform basic cares and tasks such as taking vital signs. CNA's work in Long Term Care facilities, Assisted Living facilities, Home Health, and hospitals. During class we do a lot of hands on learning and have a lab set up like a hospital with beds and mannequins. Near the end of the semester each student will do 24 hours of clinical in long term care facilities in Davis County. The state test is taken here at Farmington High and if you pass the written and skills then you will receive your CNA certificate. Active CNA certification is needed to get into nursing school. Certification is renewed every 2 years and you must work 200 hours in those 2 years to renew. Lab Fee \$20. State Test Fee: \$75.

8310 Emergency Medical Response (11 - 12) Semester

WSU 3 Credits 2300 Emergency Response. This semester course is designed for all students, especially for those interested in any medical profession. Follows the curriculum of the American Red Cross, both textbook and exams. Students will be learning over 20 skills and getting hands-on learning and applying it to real world scenarios, including CPR, administering oxygen, treatment for shock, bandaging, splinting, and back-boarding. Final exam and final skill tests required. Perfect lead up class and experience for EMT. Prerequisite: Suggested Human Biology, Intro to Health Science, or MAP. Material Fee: \$50 covers class supplies and American Red Cross certifications. HOSA membership encouraged.



CTE-1.0 CREDITS

INFORMATION TECHNOLOGY

8650/8651 Digital Graphics Arts Intro and Digital Media 1 CE (10 - 12) Full Year

These courses students a hands-on experience in graphic design using technology. Students will use computers, drawing tablets, digital video cameras, and more to create professional-quality projects. A wide range of software will be used, including Adobe Photoshop, Illustrator, and Animate. Students will create and manipulate digital photos, create animations, and shoot and edit digital video. Membership is FBLA or TSA encouraged. This course is a prerequisite for the Digital Media 2 class. University requirements for enrollment in CE courses must be met. Additional costs may be assessed by the sponsoring university. Fee: \$10.00 per semester.

8652 Digital Media 2 (11 - 12) Full Year

This is the second year Digital Media class. Students will use technology to create large-scale graphic design projects of their choice for entrance into competitions and festivals. Students will learn 3D graphics, web development, and special effects, as well as advance their skills from Digital Media 1. Membership in FBLA or TSA encouraged. Fee: \$10 per semester.

8654/8657 3D Graphics and Animation (11 - 12) Full Year

3D Graphics and Animation is a one-year course. Students will use 3D graphics software to produce 3D models and animations. First semester focuses on modeling, texturing, and lighting 3D objects and environments. Students will also be introduced to foundational design skills and 2D frame-by-frame animation. Second semester will focus on creating 2D and 3D Animation projects. This includes visual storytelling, storyboard and animatic development, and rigging and animating 3D models. Membership in FBLA or TSA encouraged. Prerequisite: Digital Media 1. Class fee: \$10.00 per semester.

CTE-1.0 CREDITS

INFORMATION TECHNOLOGY

8680 Exploring Computer Science (10 - 12) Semester (Fulfills the Digital Studies Requirement)

This course has been designed to teach students how computer systems work, and the logic of problem solving, in an incredibly fun and fast paced environment. With activities designed to inspire students creativity and get them excited about computers. The goal of the course is to teach problem solving skills that will allow students to solve a variety of problems both physical and virtual. Students will also be introduced to topics such as interface design, limits of computers and societal and ethical issues. Fee: \$10.00.

8683 Computer Programming 1 (10 - 12) Semester (Fulfills the Digital Studies Requirement)

This course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. The class will learn to program in Java or if this is their second year they may choose to use C++.

8684 Computer Programming 2 (10 - 12) Semester

This course continues with the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. The class will learn to program in Java or if this is their second year they may choose to use C++.

CTE-1.0 CREDITS

INFORMATION TECHNOLOGY

8675 AP Computer Science Principles (10 - 12) Full Year (Fulfills the Digital Studies Requirements)

Computer Science Principles is a new course that follows a project to develop a computer science course that seeks to broaden participation in computing and computer science. The course places emphasis on the principles of computer science rather than just programming. Prerequisite: Computer Programming 1 and 2.

8671/8672 Game Development Fundamentals 1 and 2 (10 - 12) Full Year

These programming courses take students through the history of gaming, game ratings, strategy and feedback, game control, design aesthetics, and interface elements. Students will learn to develop games on console, computer, and mobile platforms. Students will also become familiar with careers and training within the gaming industry.



CTE-1.0 CREDITS

SKILLED AND TECHNICAL

8802 Introduction to Automotive (10 - 12) Semester

This is a beginning course designed around the owner-operator of an automobile. In this class we will discuss the basic automotive systems and how they relate to one another. We will discuss the required maintenance of the automobile and perform them on various vehicles. Students will be expected to participate in both classroom and shop discussions and activities. Topics will include safety, tools and their usage, vehicle safety inspection, brakes and related systems, lubrication, tires and wheels, tire balance, cooling system service, engine construction and operation, and career opportunities. Fee \$10.00.

8803 Auto 2 (ASE Automotive Chassis) (11 - 12) Full Year

Auto II is a full year class for those students that have successfully passed the Auto 1 program. In Auto 2 we will explore the automobile in more depth. Shop time will include performing engine tear downs and evaluations, tune-ups, computer control concepts and diagnosis, front end theory, brakes, steering, suspension, transmission and drive train maintenance. We will discuss the theory behind these areas with specific goals in line with A.S.E. testing and evaluation. Students will learn how to use precision measuring devices and computer diagnostic equipment. Fee \$15.00.

8804 Auto 3 (ASE Automotive Engine) (12) Full Year 2 Periods

Auto three is a full year course designed around the student who is serious about an automotive career. Students must complete the Auto I and Auto II course before they will be allowed to enroll in Auto III. This class will have more hands-on approach to automotive repairs. Students will be given opportunities to do actual vehicle repairs on a wide variety of automobiles. Students will be graded on their abilities to perform repairs and other assigned tasks. Course study will include front end, engine repairs, tune-ups, engine diagnosis, drive train diagnosis, fuel systems. Course lectures will be based upon the information in the ASE/NATAF certification tests. Students will be given the opportunity to obtain Weber State Credit for all Auto courses. Fee \$20.00.



CTE-1.0 CREDITS

TECHNOLOGY AND ENGINEERING

8626 CAD Mechanical Design 1 (10 - 12) Semester

This class helps students discover the world of computer aided drafting through solid modeling software Inventor. Students will generate simple part plans. Students will gain marketable occupational skills as well as a greater understanding of the Technical Design industry. \$10.00 lab fee.

8627 CAD Mechanical Design 2 CE (11 - 12) Semester

The second in a sequence of courses that prepares students with an emphasis in developing technical knowledge and skills to develop 3D models in support of mechanical and industrial engineers, and related professionals. This includes instruction in the use of 3D Computer-Aided Design software, model creation, and technical communication. Prerequisite CAD Mechanical Design 1. Concurrent Enrollment Fees and \$10.00 lab fee.

8629 Electronics 1 CE (10 - 12) Semester

This is the first in a sequence of courses where students will apply technical knowledge and skills to assemble and operate electrical/electronic equipment's used in industry and manufacturing businesses. Students will study safety, electrical theory, parallel and series circuits, and schematic diagrams. Concurrent Enrollment Fees and \$10.00 lab fee.

CTE-1.0 CREDITS

TECHNOLOGY AND ENGINEERING

8630 Electronics 2 CE (10 - 12) Semester

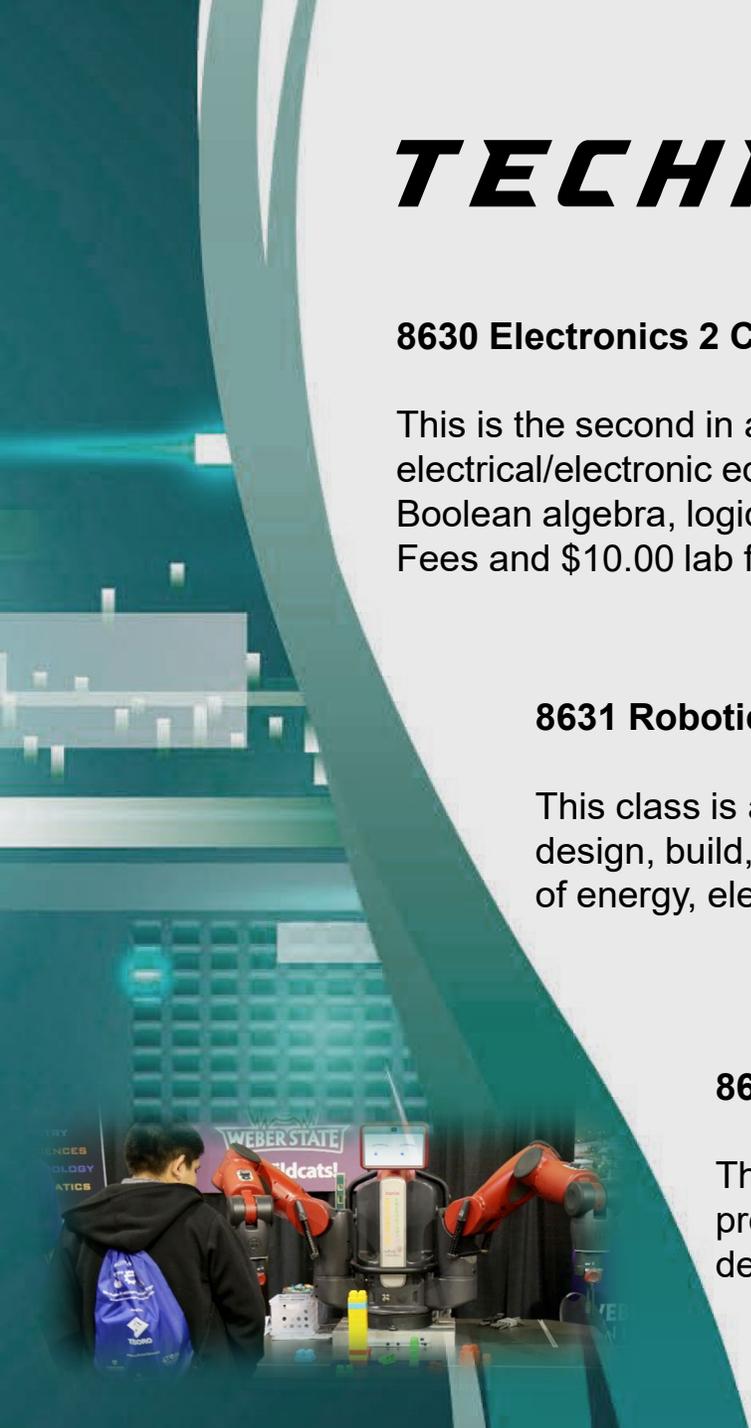
This is the second in a sequence of courses where students will apply technical knowledge and skills to assemble and operate electrical/electronic equipment's used in industry and manufacturing businesses. Students will study safety, numbering systems, Boolean algebra, logic diagrams, digital devices and combination logic circuits. Prerequisite: Electronics I. Concurrent Enrollment Fees and \$10.00 lab fee.

8631 Robotics and Automation (10 - 12) Full Year

This class is a lab-based, hands-on course that combines electrical, mechanical, and engineering principles. Students will design, build, program and control robotic devices. They will study and apply electrical components such as the sources of energy, electrical safety, use of basic electronics, and sensors and actuators. \$10.00 lab fee.

8637 Introduction to Engineering Design CE (10 - 12) Full Year

This class is an introductory course which develops student problem solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software. Concurrent Enrollment Fees and \$20.00 lab fee.



CTE-1.0 CREDITS

TECHNOLOGY AND ENGINEERING

8638 Principles of Engineering CE (11 - 12) Full Year

This course is a survey class of the different fields of engineering, the technological systems and manufacturing processes used for each field. Prerequisite: Intro to Engineer Design or Geometry. Concurrent Enrollment Fees and \$20.00 lab fee.

8643 Engineering Design and Development (12) Full Year

In this capstone course, students will work in teams to develop an original solution to a valid open-ended technical problem by applying the engineering design process. They will research, validate, and justify a technical problem. Each team will design, build, and test their solution. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process. Finally, student teams will present and defend their original solution to an outside panel. Prerequisites: Introduction to Engineering Design & Principles of Engineering.

8792/8634- Composites Manufacturing

What are Composite materials? Come learn how fiberglass and carbon fiber are used in racecars, recreation and aerospace. This course covers Composite materials, history, construction and processes, as well as the principles of the manufacturing industry. Emphasis will be placed on process implementation, quality assurance, cost evaluation, troubleshooting and job readiness. This hands-on training includes applied math skills, precision measuring equipment, and proper training on power equipment.

CTE-1.0 CREDITS

TECHNOLOGY AND ENGINEERING

8635 Introduction to Advanced Manufacturing (10 - 12) Semester

This hands-on training will cover the activities of CAD design, fiberglass composites, waterjet cutting, welding, CNC machining, and automation to replicate real world processes. Students will use applied math skills, precision measuring equipment, and proper training on power equipment. Students will learn trouble-shooting measures and assembly of products. This is a great introduction to each of the above-mentioned fields.

8796 AM STEM (Automation & Robotics Technology) (11 - 12) Full Year

Series of Davis Technical College courses in their Automation Technology program that will be streamed to FHS via the Interactive Video Conferencing (IVC) lab. Classes will run 4 days per week from 6:30 am to 7:15 am. Students to also be enrolled as Davis Technical College students - \$40 fee. Hands-on projects provided. Career Focus: Learn skills preparatory for jobs in the Automation and Robotics manufacturing industry.



CTE-1.0 CREDITS

EDUCATION / WORK-BASED LEARNING

8416 Teaching as a Profession II (10 - 12) Semester

Experience and participate as you learn about the role and characteristics of an effective educator. Observe and participate with teachers and students in the classroom. Learn about current teaching methods and instructional strategies. Explore assessments and when/how to use them. Discover how students learn and how to differentiate instruction for special student populations. Recognize ways to effectively use education technology in the classroom.

8936 Internship/Critical Work Skills (11 - 12) Semester 2 Periods

This exciting work-based learning course prepares students to become successful employees in the work force while exploring future careers. Students will intern in a field that they are considering as a future career. The course curriculum correlates with the student's internship experience and focuses on career goals, work ethics, work skills, teamwork, communication, employment preparation, etc. The work-based site is in partnership with local businesses and based on the student's PCCR. Students are required to have a 3.0 GPA and no current 'U's on their citizenship record.

Students are expected to have the following in order to complete an internship:

- Current or previous enrollment in a related course
- Completed application
- Transportation to and from the internship site
- \$35 fee per semester to cover internship supervision

Please see the Internship Coordinator or the CTE Director to register for this course.

CTE-1.0 CREDITS ***EDUCATION / WORK-BASED LEARNING***

8938 Work-based Learning Co-Op (12) Semester or Full Year

Students must provide their own transportation. Contact Mr. Milliken in Student Services to register. Seniors only! Students who want to receive credit for Related Work-Based Learning must take a CTE- related class in conjunction with the Related Work-Based Learning. Good attendance at school and on the job is mandatory. Students may only receive a maximum of 2 credits of Related Work-Based Learning. \$15 fee per semester.

To qualify for Related Work -Based learning, students must meet with Mr. Milliken to review the requirements associated with this opportunity.

