



**Adv Jewelry**

Grades: 09 - 12

AR 58 Advanced Jewelry

Difficulty: Average-High 1 Sem. – 1/2 Fine Arts/Elective Credit

Prerequisites: AR 54 & 56

Continuation of processes learned in AR 54 and 56. For the serious student to gain proficiency or pursue a personally planned outline of activity. NOTE: Course fee required.

**Advanced Ceramics**

Grades: 09 - 12

AR 45 Advanced Ceramics

Difficulty: Average-High 1 Sem. – 1/2 Fine Arts/Elective Credit

Prerequisites: AR 43

Extends improvement of hand-built and wheel throwing skills. Includes glaze formulation and advanced clay experiences such as Raku. Provides independent study in advanced work or interest areas. Course may be repeated by teacher approval. NOTE: Course fee required.

**Advanced Drawing**

Grades: 09 - 12

AR 66 Advanced Drawing

Difficulty: Average-High 1 Sem. – 1/2 Fine Arts/Elective Credit

Prerequisites: Satisfactory AR 63, AR 64

Emphasis on developing style and reflecting that style in various drawing processes. NOTE: Course fee required.

**AP 2-D Art and Design**

Grades: 10 - 12

AR 77 AP 2-D Art and Design

2 Sem. - 1 Fine Arts/Elective Credit

Prerequisites: At least 2 semesters (can be concurrent enrollment) in advanced art classes.

A variety of drawing media is used. Offers the highly skilled art student guidelines and instructions in the production and presentation of a portfolio for occupational or higher educational placement. Students will specialize in Drawing portfolio options. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. NOTE: Course fee required.

NOTE: This is a weighted course.

**AP 2-D Art and Design**

Grades: 10 - 12

AR 77 AP 2-D Art and Design

2 Sem. - 1 Fine Arts/Elective Credit

Prerequisites: At least 2 semesters (can be concurrent enrollment) in advanced art classes.

A variety of drawing media is used. Offers the highly skilled art student guidelines and instructions in the production and presentation of a portfolio for occupational or higher educational placement. Students will specialize in Drawing portfolio options. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. NOTE: Course fee required.

NOTE: This is a weighted course.

**AR58**

**AP Art History**

Grades: 10 - 12

AR 82 AP Art History

Difficulty: High 2 Sem. – 1 Fine Arts/Elective Credit

The Advanced Placement Program in History of Art is a full-year introductory college course in the history of art (primarily western art, with some attention to the art of other cultures). The course is designed to increase the student's knowledge of art, artists, schools and movements; chronological periods and specific dates; and the subjects, styles and techniques of particular works of art. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: Course fee required. NOTE: This is a weighted course.

**AP Art History**

Grades: 10 - 12

AR 82 AP Art History

Difficulty: High 2 Sem. – 1 Fine Arts/Elective Credit

The Advanced Placement Program in History of Art is a full-year introductory college course in the history of art (primarily western art, with some attention to the art of other cultures). The course is designed to increase the student's knowledge of art, artists, schools and movements; chronological periods and specific dates; and the subjects, styles and techniques of particular works of art. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: Course fee required. NOTE: This is a weighted course.

**AP Drawing**

Grades: 10 - 12

AR 79 AP Drawing

2 Sem. - 1 Fine Arts/Elective Credit

Prerequisites: At least 2 semesters (can be concurrent enrollment) in advanced art classes.

A variety of drawing media is used. Offers the highly skilled art student guidelines and instructions in the production and presentation of a portfolio for occupational or higher educational placement. Students will specialize in Drawing portfolio options. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. NOTE: Course fee required.

NOTE: This is a weighted course.

**AP Drawing**

Grades: 10 - 12

AR 79 AP Drawing

2 Sem. - 1 Fine Arts/Elective Credit

Prerequisites: At least 2 semesters (can be concurrent enrollment) in advanced art classes.

A variety of drawing media is used. Offers the highly skilled art student guidelines and instructions in the production and presentation of a portfolio for occupational or higher educational placement. Students will specialize in Drawing portfolio options. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. NOTE: Course fee required.

NOTE: This is a weighted course.

**Beginning Ceramics**

Grades: 09 - 12

AR 41 Beginning Ceramics

Difficulty: Average

1 Sem. – 1/2 Fine Arts/Elective Credit

For those desiring to understand ceramic techniques, procedures, and principles, both potter's wheel and hand building. Emphasis on three-dimensional design. NOTE: Course fee required.

**AR821W**

**AR822W**

**AR791W**

**AR792W**

**AR41**



<b>Beginning Drawing</b> Grades: 09 - 12 AR 63 Beginning Drawing Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Learn to manipulate form, line and texture in pencil and ink. Realistic approaches made in drawing figures, landscapes, portraits and still life. NOTE: Course fee required.	<b>AR63</b>	<b>Introduction to Sculpture</b> Grades: 09 - 12 AR 69 Introduction to Sculpture Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Students will explore the history, methods and materials of sculpture. Students will be expected to design and construct a series of sculptures using a variety of methods and materials. NOTE: Course fee required.	<b>AR69</b>
<b>Beginning Jewelry</b> Grades: 09 - 12 AR 54 Beginning Jewelry Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Construct jewelry using the sheet method with copper, silver, and nickel silver. Includes use and care of hand tools and soldering equipment. Creativity in design is stressed. NOTE: Course fee required.	<b>AR54</b>	<b>AVID</b> Grades: 09 First Semester of: AV 09 AVID-9th grade Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV091</b>
<b>Beginning Stained Glass</b> Grades: 09 - 12 AR 40 Beginning Stained Glass Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit For those wanting to learn general techniques used in making stained glass objects. Student will develop their own patterns. NOTE: Course fee required.	<b>AR40</b>	<b>AVID</b> Grades: 09 Second Semester of: AV 09 AVID-9th grade Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV092</b>
<b>Intermediate Ceramics</b> Grades: 09 - 12 AR 43 Intermediate Ceramics Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Prerequisites: AR 41 Beginning of product orientation with some emphasis on quantity and quality of work. Glaze formulation, Raku firing and finishing, producing ceramic objects all term. NOTE: Course fee required.	<b>AR43</b>	<b>AVID</b> Grades: 10 First Semester of: AV 10 AVID Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV101</b>
<b>Intermediate Drawing</b> Grades: 09 - 12 AR 64 Intermediate Drawing Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Prerequisites: AR 63 A more comprehensive understanding, appreciation and exploration of drawing. Develop skills, knowledge, and techniques using various media. NOTE: Course fee required.	<b>AR64</b>		
<b>Intermediate Jewelry</b> Grades: 09 - 12 AR 56 Intermediate Jewelry Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Prerequisites: AR 54 Lost-wax casting method of jewelry making, set stones, and work with various kinds of waxes to produce the model for casting jewelry. Emphasis on design quality and aesthetic attitude determined by application of principles of design. NOTE: Course fee required.	<b>AR56</b>		
<b>Intermediate Stained Glass</b> Grades: 09 - 12 AR 42 Intermediate Stained Glass Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Prerequisite: Beginning Stained Glass (AR 40) Emphasis on Advanced Stained Glass Techniques. The construction of boxes, picture frames, panel lamps and kaleidoscope will be explored. Introduction to glass fusing, slumping, and draping techniques in the making of two and three dimensional glass projects. Students will develop their own patterns. NOTE: Course fee required.	<b>AR42</b>		



<b>AVID</b> Grades: 10 Second Semester of: AV 10 AVID Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV102</b>	<b>AVID</b> Grades: 12 Second Semester of: AV 12 AVID Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV122</b>
<b>AVID</b> Grades: 11 First Semester of: AV 11 AVID Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV111</b>	<b>Career Exploration</b> Grades: 09 - 12 CE 01 Career Exploration Difficulty: Average 1 Sem. fine/practical art for standard diploma only This class offers hands-on learning experiences that will give students the opportunity to explore various career pathways and begin developing 21st Century workforce skills. This class will facilitate the exploration process of Career Cluster occupational areas which include, but are not limited to: agriculture, architecture and construction, audio/video technology and communications, business management, education professions, finance, health sciences, information technology, marketing, and science, technology, engineering and mathematics. Students will develop an Education Action Plan, relate school experiences to occupational choices, and explore the relationship between work and broader life roles. The capstone of this course is a visit to the Junior Achievement Finance Park, where students experience real world situations through a simulated environment.	<b>CE01</b>
<b>AVID</b> Grades: 11 Second Semester of: AV 11 AVID Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV112</b>	<b>CTE-Advanced Automotives</b> Grades: 11 - 12 First Semester of: IT 95 Advanced Automotives Difficulty High 2 Sem. – 1 Practical Arts/Elective Credit Prerequisites: IT 93 This advanced course is designed to lead the student to certification or advanced training that is available in the automotive industry. This course applies the principles learned in the beginning and intermediate Automotive Systems courses and builds upon the tune-up, engine service, chassis and brake repairs performed in previous courses by allowing the student to do independent projects. Note: Course fee required.	<b>IT951</b>
<b>AVID</b> Grades: 12 First Semester of: AV 12 AVID Difficulty: Average 2 Sem. – 1 Elective Credit AVID is a junior through senior high school college readiness system designed to prepare self-determined students who have demonstrated average achievement for college readiness. The program enrolls students in rigorous courses and provides them with intensive support to ensure their success. The major component is a daily AVID elective class that students must attend. During this class, students receive training in effective note taking, organizational, and goal-setting strategies. Extensive writing and reading instruction is also provided. AVID students are academically capable students who would typically be the first in their families to attend college. Placement is done through an application process.	<b>AV121</b>	<b>CTE-Advanced Automotives</b> Grades: 11 - 12 Second Semester of: IT 95 Advanced Automotives Difficulty High 2 Sem. – 1 Practical Arts/Elective Credit Prerequisites: IT 93 This advanced course is designed to lead the student to certification or advanced training that is available in the automotive industry. This course applies the principles learned in the beginning and intermediate Automotive Systems courses and builds upon the tune-up, engine service, chassis and brake repairs performed in previous courses by allowing the student to do independent projects. Note: Course fee required.	<b>IT952</b>



## CTE-Advanced Biotechnology

SC541W

Grades: 10 - 12

SC 54 Advanced Biotechnology

Difficulty: High 2 Sem. – 1 Science/Elective Credit

Prerequisites: SC 48

This course is designed as a continuation of Biotechnology Program. Students will be introduced to the scientific concepts and advanced laboratory research techniques currently used in the field of biotechnology.

Areas of study include proteomics, plant biotechnology (tissue culturing), synthesizing DNA and PCR, human genetics disease, pharmaceutical biotechnology, DNA sequencing and Genomics. NOTE: This is a weighted course. Course fee required.

## CTE-Advanced Biotechnology

SC542W

Grades: 10 - 12

SC 54 Advanced Biotechnology

Difficulty: High 2 Sem. – 1 Science/Elective Credit

Prerequisites: SC 48

This course is designed as a continuation of Biotechnology Program. Students will be introduced to the scientific concepts and advanced laboratory research techniques currently used in the field of biotechnology.

Areas of study include proteomics, plant biotechnology (tissue culturing), synthesizing DNA and PCR, human genetics disease, pharmaceutical biotechnology, DNA sequencing and Genomics. NOTE: This is a weighted course. Course fee required.

## CTE-Advanced Cabinetmaking Tech

IT621

Grades: 10 - 12

Course Title Changed beginning with the 15-16 school year  
First Semester of:

IT 62 Advanced Cabinetmaking Technology

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 61

Designed for the intermediate technology student. Students work on products that require multiple materials and processes. Emphasis is placed on ability to construct to specifications of a plan in terms of fit, tolerance, and appearance. Instruction includes use of fixtures and templates for exact replication. Safety is stressed as in IT 61 above. Students apply academics in problem-solving daily.

Approximately 20% class and 80% lab. NOTE: Course fee required.

## CTE-Advanced Cabinetmaking Technolog

IT622

Grades: 10 - 12

Course Title Changed beginning with the 15-16 school year  
Second Semester of:

IT 62 Advanced Cabinetmaking Technology

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 61

Designed for the intermediate technology student. Students work on products that require multiple materials and processes. Emphasis is placed on ability to construct to specifications of a plan in terms of fit, tolerance, and appearance. Instruction includes use of fixtures and templates for exact replication. Safety is stressed as in IT 61 above. Students apply academics in problem-solving daily.

Approximately 20% class and 80% lab. NOTE: Course fee required.

## CTE-Advanced Computer Aided Design

IT321

Grades: 09 - 12

Beginning 17-18 course description and title changed

IT 32 Advanced Computer Aided Design

Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 31

This course provides an in depth study of architectural and mechanical design. Through a continuous sequence of design projects, students will learn to develop a set of principles that inform/dictate the production of architectural and mechanical products. These principles will be used to clarify the interrelationship of geometry, form, function and composition, thus defining a systematic strategy for architectural and engineering solutions. NOTE: Course fee required.

## CTE-Advanced Computer Aided Design

IT322

Grades: 09 - 12

Beginning 17-18 course description and title changed

IT 32 Advanced Computer Aided Design

Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 31

This course provides an in depth study of architectural and mechanical design. Through a continuous sequence of design projects, students will learn to develop a set of principles that inform/dictate the production of architectural and mechanical products. These principles will be used to clarify the interrelationship of geometry, form, function and composition, thus defining a systematic strategy for architectural and engineering solutions. NOTE: Course fee required.

## CTE-Advanced Computer Maintenance

CB511

Grades: 10 - 12

New course beginning with the 16-17 school year

CB51 Advanced Computer Maintenance

Difficulty: Average-High 2 Semester- 1 Practical Arts/Elective

Prerequisite: CB50

Students will apply skills learned from CB50 Computer Maintenance and Repair to install, support, maintain, and upgrade computer/electronic devices. Students will work with Information Systems staff to support local technologies on their home campus. This will include, but not limited to, locating, quarantining, and removing specific viruses, diagnosing hardware problems, supporting printer installations and repairs, and troubleshooting technology issues. Upon successful completion of this course, students will be prepared to pass the COMPTia A+ Certification. Students will also be refurbishing computers as a part of the Arizona StRUT (Students Refurbishing Used Technology) program.

## CTE-Advanced Computer Maintenance

CB512

Grades: 10 - 12

New course beginning with the 16-17 school year

CB51 Advanced Computer Maintenance

Difficulty: Average-High 2 Semester- 1 Practical Arts/Elective

Prerequisite: CB50

Students will apply skills learned from CB50 Computer Maintenance and Repair to install, support, maintain, and upgrade computer/electronic devices. Students will work with Information Systems staff to support local technologies on their home campus. This will include, but not limited to, locating, quarantining, and removing specific viruses, diagnosing hardware problems, supporting printer installations and repairs, and troubleshooting technology issues. Upon successful completion of this course, students will be prepared to pass the COMPTia A+ Certification. Students will also be refurbishing computers as a part of the Arizona StRUT (Students Refurbishing Used Technology) program.

## CTE-Advanced Culinary Arts

FS451

Grades: 10 - 12

First Semester of:

FS 45 Advanced Culinary Arts

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: FS 41

This course encompasses a full culinary food service experience. Focus is on menu development, food preparation, service, and running a simulated business. Job shadowing or internships may be a part of the program. NOTE: Course fee required.



<b>CTE-Advanced Culinary Arts</b> Grades: 10 - 12 Second Semester of: FS 45 Advanced Culinary Arts Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit Prerequisites: FS 41 This course encompasses a full culinary food service experience. Focus is on menu development, food preparation, service, and running a simulated business. Job shadowing or internships may be a part of the program. NOTE: Course fee required.	<b>FS452</b>	<b>CTE-Aerospace Engineering</b> Grades: 10 - 12 IT 50 Aerospace Engineering Difficulty: Avg-High 2 Sem – 1 Practical Arts/Elective Credit Prerequisite: IT 43 This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. NOTE: Course fee required.	<b>IT502</b>
<b>CTE-Advanced Video Production</b> Grades: 10 - 11 GV 22 Advanced Video Production Difficulty: Avg-High 2 Sem - 1 Practical Arts/Elective Credit Prerequisite: GV 21 Students will develop a portfolio and participate in community projects using leadership skills. Students will focus on advanced camera operation, lighting and editing, as well as honing storytelling skills with enhanced video production. NOTE: Course fee required.	<b>GV221</b>	<b>CTE-AP Computer Science Principles</b> Grades: 10 - 12 New course beginning with the 16-17 school year  CB39 AP Computer Science Principles Difficulty: Average-High 2 Semesters- 1 Practical Arts/Elective Prerequisite: CB30 Highly Recommended	<b>CB391W</b>
<b>CTE-Advanced Video Production</b> Grades: 10 - 12 GV 22 Advanced Video Production Difficulty: Avg-High 2 Sem - 1 Practical Arts/Elective Credit Prerequisite: GV 21 Students will develop a portfolio and participate in community projects using leadership skills. Students will focus on advanced camera operation, lighting and editing, as well as honing storytelling skills with enhanced video production. NOTE: Course fee required.	<b>GV222</b>	AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications. AP Computer Science Principles prepares student for college and career. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. NOTE: This is a weighted course.	
<b>CTE-Advanced Welding</b> Grades: 11 - 12 First Semester of: IT 74 Advanced Welding Difficulty: High 2 Sem. – Practical Arts/Elective Credit Prerequisites: IT 73 This advanced course is designed to lead the student to some of the many certifications that are available in the welding industry. Some of the certifications available to the student are Shielded Metal Arc Welding, Gas Tungsten Arc Welding and Gas Metal Arc Welding Certification. All Certifications are through Western Technologies. NOTE: Course fee required.	<b>IT741</b>	<b>CTE-AP Computer Science Principles</b> Grades: 10 - 12 New course beginning with the 16-17 school year  CB39 AP Computer Science Principles Difficulty: Average-High 2 Semesters- 1 Practical Arts/Elective Prerequisite: CB30 Highly Recommended	<b>CB392W</b>
<b>CTE-Advanced Welding</b> Grades: 11 - 12 Second Semester of: IT 74 Advanced Welding Difficulty: High 2 Sem. – Practical Arts/Elective Credit Prerequisites: IT 73 This advanced course is designed to lead the student to some of the many certifications that are available in the welding industry. Some of the certifications available to the student are Shielded Metal Arc Welding, Gas Tungsten Arc Welding and Gas Metal Arc Welding Certification. All Certifications are through Western Technologies. NOTE: Course fee required.	<b>IT742</b>	AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications. AP Computer Science Principles prepares student for college and career. Students will take an AP exam in May. See your school Student Advisor if you have a financial hardship. NOTE: This is a weighted course.	
<b>CTE-Aerospace Engineering</b> Grades: 10 - 12 IT 50 Aerospace Engineering Difficulty: Avg-High 2 Sem – 1 Practical Arts/Elective Credit Prerequisite: IT 43 This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles. NOTE: Course fee required.	<b>IT501</b>	<b>CTE-Automotive Systems Diagnostics</b> Grades: 09 - 12 First Semester of: IT 93 Automotive Systems and Diagnostics Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit Prerequisites: IT 92 This course will provide an advanced study of the automotive repair industry. Topics will include tune-ups, engine service, chassis, and brake repairs. Students will learn management and leadership skills needed to be successful in the automotive industry, including performance and aftermarket modifications. Safety will be emphasized. NOTE: Course fee required.	<b>IT931</b>



## **CTE-Automotive Systems Diagnostics**

**IT932**

Grades: 09 - 12

Second Semester of:

IT 93 Automotive Systems and Diagnostics

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 92

This course will provide an advanced study of the automotive repair industry. Topics will include tune-ups, engine service, chassis, and brake repairs. Students will learn management and leadership skills needed to be successful in the automotive industry, including performance and aftermarket modifications. Safety will be emphasized. NOTE: Course fee required.

## **CTE-Automotives Systems and Repair**

**IT921**

Grades: 09 - 12

First Semester of:

IT 92 Automotive Systems and Repair

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

This course will provide students with hands-on experience in automotive systems, maintenance and repair. Topics will focus on various systems of the automobile which include preventive maintenance, tires, electrical/electronic systems, tune-ups, brakes, and engine operations. Safety will be emphasized. NOTE: Course fee required.

## **CTE-Automotives Systems and Repair**

**IT922**

Grades: 09 - 12

Second Semester of:

IT 92 Automotive Systems and Repair

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

This course will provide students with hands-on experience in automotive systems, maintenance and repair. Topics will focus on various systems of the automobile which include preventive maintenance, tires, electrical/electronic systems, tune-ups, brakes, and engine operations. Safety will be emphasized. NOTE: Course fee required.

## **CTE-Biotechnology Concepts and Techni**

**SC481W**

Grades: 10 - 12

\*SC 48 Biotechnology Concepts and Techniques/Biotech I

Difficulty: Average-High 2 Sem. – 1 Science/Elective Credit

Prerequisites: SC45, SC49 or AG40 This course introduces students to the exciting field of biotechnology.

Students will be introduced to topics such as biochemistry, DNA structure, gene expression, protein synthesis, recombinant DNA strategies, as well as forensics and bioethics. Students will perform experiments similar to those presently done in modern research settings such as micropipetting, spectrophotometry, electrophoresis, PCR, and cell culturing. This course will also teach students standard laboratory operations, instrumentation and good laboratory safety practices and procedures. NOTE: This is a weighted course. Course fee required.

## **CTE-Biotechnology Concepts and Techni**

**SC482W**

Grades: 10 - 12

\*SC 48 Biotechnology Concepts and Techniques/Biotech I

Difficulty: Average-High 2 Sem. – 1 Science/Elective Credit

Prerequisites: SC45, SC49 or AG40 This course introduces students to the exciting field of biotechnology.

Students will be introduced to topics such as biochemistry, DNA structure, gene expression, protein synthesis, recombinant DNA strategies, as well as forensics and bioethics. Students will perform experiments similar to those presently done in modern research settings such as micropipetting, spectrophotometry, electrophoresis, PCR, and cell culturing. This course will also teach students standard laboratory operations, instrumentation and good laboratory safety practices and procedures. NOTE: This is a weighted course. Course fee required.

## **CTE-Cabinetmaking Technologies**

**IT611**

Grades: 09 - 12

Course Title Change beginning with 15-16 school year-

First Semester of:

IT 61 Cabinetmaking Technology

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Students will use machines and processes basic to carpentry and cabinetmaking to construct and finish a core project(s). Safety in general shop procedures, hand tools and power machinery will be stressed. Basic academics and problem-solving skills will be used daily. Approximately 20% classroom and 80% lab. NOTE: Course fee required.

Was Woodworking Technology

## **CTE-Cabinetmaking Technologies**

**IT612**

Grades: 09 - 12

Course Title Changed beginning with the 15-16 school year

Second Semester of:

IT 61 Cabinetmaking Technology

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Students will use machines and processes basic to carpentry and cabinetmaking to construct and finish a core project(s). Safety in general shop procedures, hand tools and power machinery will be stressed. Basic academics and problem-solving skills will be used daily. Approximately 20% classroom and 80% lab. NOTE: Course fee required.

Was Woodworking Technology

## **CTE-Catering & Special Events Managem**

**FS471**

Grades: 10 - 12

New Course Beginning with the 16-17 School Year

FS471 Catering & Special Events Management

Difficulty: Average - High 2 Semesters: 1 Practical Arts/Elective

Prerequisite: FS45

The catering and special events industries are among the fastest-growing segments within the hospitality industry. This course focuses on catering school and business events. Topics include organizational structure, legal aspects of catering and special events management, product and service development, marketing and sales, catered function and special event planning and execution. Students will be required to attend evening and weekend events.

## **CTE-Catering & Special Events Managem**

**FS472**

Grades: 10 - 12

New Course Beginning with the 16-17 School Year

FS472 Catering & Special Events Management

Difficulty: Average - High 2 Semesters: 1 Practical Arts/Elective

Prerequisite: FS45

The catering and special events industries are among the fastest-growing segments within the hospitality industry. This course focuses on catering school and business events. Topics include organizational structure, legal aspects of catering and special events management, product and service development, marketing and sales, catered function and special event planning and execution. Students will be required to attend evening and weekend events.

## **CTE-Computer Aided Design Special Proj**

**IT331**

Grades: 10 - 12

Beginning 17-18 course description and title changed

IT 33 Computer Aided Design Special Projects

Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 32

Computer Aided Design Special Projects is the capstone for the Computer

Aided Design Program of Study. Students will pursue industry certifications in design oriented professions which include architecture and engineering. Students will also have the opportunity to work on a substantial design project that will become part of their portfolio for post-secondary school applications. NOTE: Course fee required.



# Mountain View High Course Catalog

Year: 2022-2023  
Report: CRS201

<b>CTE-Computer Aided Design Special Proj</b> Grades: 10 - 12 Beginning 17-18 course description and title changed IT 33 Computer Aided Design Special Projects Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit Prerequisites: IT 32 Computer Aided Design Special Projects is the capstone for the Computer Aided Design Program of Study. Students will pursue industry certifications in design oriented professions which include architecture and engineering. Students will also have the opportunity to work on a substantial design project that will become part of their portfolio for post-secondary school applications. NOTE: Course fee required.	<b>IT332</b>	<b>CTE-Culinary Arts</b> Grades: 09 - 12 Second Semester of: FS 41 Culinary Arts Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit This course is designed for students interested in developing skills in Culinary Arts. Emphasis is placed on nutrition, proper equipment use, knife skills, safety, sanitation, and presentation. Foods prepared will include baked goods, soups, salads, appetizers, sandwiches and garnishes. Exploration of culinary careers is also included. NOTE: Course fee required.	<b>FS412</b>
<b>CTE-Computer Maintenance and Repair</b> Grades: 10 - 12 Course description changed beginning 14-15 school year 1st Semester of CB 50 Computer Maintenance and Repair Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit  Students will learn hands-on technical aspects of the microcomputer, including system setup (hardware and software) and troubleshooting with use of tools, hardware components and hardware/software interfacing. Install, configure, upgrade, optimize and perform preventive maintenance with respect to security using appropriate tools, diagnostic procedures and troubleshooting techniques. Students will be refurbishing computers to be donated to non-profit organizations through Arizona STRUT (Students Refurbishing Used Technology). Course helps students prepare for the CompTIA A+ technician examinations including Information Technology (IT) field technician. Computer experience highly recommended.	<b>CB501</b>	<b>CTE-Digital Photography</b> Grades: 09 - 12 1st Semester of: AR 22 Digital Photo Difficulty: Average 2 Sem. - 1 Practical Arts/Elective Credit Prerequisite: AR 21 Digital Photo Studio This course addresses technical and conceptual concepts in relation to historic and contemporary photography. Students will refine their craft with further study of composition and design, a variety of lighting techniques, use of a digital SLR camera, digital solutions and software applications. Students will both prepare for the professional field of photography, develop an extensive electronic and traditional portfolio that will prepare them for a career or post secondary education. A digital SLR is highly recommended. NOTE: Course fee required.	<b>AR221</b>
<b>CTE-Computer Maintenance and Repair</b> Grades: 10 - 12 Course description changed beginning 14-15 school year 2nd Semester of: CB 50 Computer Maintenance and Repair Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit  Students will learn hands-on technical aspects of the microcomputer, including system setup (hardware and software) and troubleshooting with use of tools, hardware components and hardware/software interfacing. Install, configure, upgrade, optimize and perform preventive maintenance with respect to security using appropriate tools, diagnostic procedures and troubleshooting techniques. Students will be refurbishing computers to be donated to non-profit organizations through Arizona STRUT (Students Refurbishing Used Technology). Course helps students prepare for the CompTIA A+ technician examinations including Information Technology (IT) field technician. Computer experience highly recommended.	<b>CB502</b>	<b>CTE-Digital Photography</b> Grades: 09 - 12 2nd Semester of: AR 22 Digital Photo Difficulty: Average 2 Sem. - 1 Practical Arts/Elective Credit Prerequisite: AR 21 Digital Photo Studio This course addresses technical and conceptual concepts in relation to historic and contemporary photography. Students will refine their craft with further study of composition and design, a variety of lighting techniques, use of a digital SLR camera, digital solutions and software applications. Students will both prepare for the professional field of photography, develop an extensive electronic and traditional portfolio that will prepare them for a career or post secondary education. A digital SLR is highly recommended. NOTE: Course fee required.	<b>AR222</b>
<b>CTE-Culinary Arts</b> Grades: 09 - 12 First Semester of: FS 41 Culinary Arts Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit This course is designed for students interested in developing skills in Culinary Arts. Emphasis is placed on nutrition, proper equipment use, knife skills, safety, sanitation, and presentation. Foods prepared will include baked goods, soups, salads, appetizers, sandwiches and garnishes. Exploration of culinary careers is also included. NOTE: Course fee required.	<b>FS411</b>	<b>CTE-Digital Photography III</b> Grades: 10 - 12 New Course Beginning 16-17 school year AR231 Digital Photo III 2 Sem. 1 Practical Arts/Elective Credit Difficulty: Average-High Prerequisite: AR22 Semester 1 Exploration of advanced techniques will be covered in AR23. Students will develop a portfolio and participate in community projects to prepare students for careers in photography-related fields. Students will refine both their technical and aesthetic skills, as well as refine their efficiency during the post-production/processing phase. At the end of this course, students should be able to plan, create, process, pitch and market a photo job that meets and exceeds industry standards.	<b>AR231</b>



## **CTE-Digital Photography III**

**AR232**

Grades: 10 - 12

New Course Beginning 16-17 school year

AR232 Digital Photo III 2 Sem. 1 Practical Arts/Elective Credit

Difficulty: Average-High

Prerequisite: AR22

Semester 2

Exploration of advanced techniques will be covered in AR23. Students will develop a portfolio and participate in community projects to prepare students for careers in photography-related fields. Students will refine both their technical and aesthetic skills, as well as refine their efficiency during the post-production/processing phase. At the end of this course, students should be able to plan, create, process, pitch and market a photo job that meets and exceeds industry standards.

## **CTE-Engineering Cooperative Education**

**CT74**

Grades: 12

New course beginning with the 15-16 school year

CT74 Engineering Cooperative Education

Cooperative Education Course

Gr. 12 2 sem. 2 - Elective Credits

Prerequisite: 1 credit earned in CTE Program of study

This course is designed for students to apply technical skills attained in CTE Program of Study to real world employment opportunities. Students are REQUIRED to attend one hour of daily classroom instruction and work a minimum of 15 hours per week. Participation in a Career and Technical Student Organization may also be required.

## **CTE-Exploring Computer Coding and App**

**CB301**

Grades: 09 - 12

CB 30 Exploring Computer Coding and App Development

Difficulty: Average 2 Sem – 1 Practical Arts/Elective Credit

This course uses technology to teach innovative, hands-on, team based,

problem solving skills while developing programming and application knowledge. Students will explore real world computing problems that address social and ethical issues while delivering foundational computer science knowledge. Students will be introduced to: human computer interaction,

problem solving, web design, programming, data analysis, and robotics. Students will engage in several in-depth projects to demonstrate the real-world applications of computing. Successful completion of this course prepares students for AP Computer Science coursework.

the real-world applications of computing. Successful completion of this course prepares students for AP Computer Science coursework.

## **CTE-Exploring Computer Coding and App**

**CB302**

Grades: 09 - 12

CB 30 Exploring Computer Coding and App Development

Difficulty: Average 2 Sem – 1 Practical Arts/Elective Credit

This course uses technology to teach innovative, hands-on, team based,

problem solving skills while developing programming and application knowledge. Students will explore real world computing problems that address social and ethical issues while delivering foundational computer science knowledge. Students will be introduced to: human computer interaction,

problem solving, web design, programming, data analysis, and robotics. Students will engage in several in-depth projects to demonstrate the real-world applications of computing. Successful completion of this course prepares students for AP Computer Science coursework.

the real-world applications of computing. Successful completion of this course prepares students for AP Computer Science coursework.

## **CTE-Graphic Design**

**GV411**

Grades: 10 - 12

GV41 Graphic Design

Prerequisites: GV40

2 Semesters - 1 Practical Arts Credit/Elective Credit

Students will use Adobe Creative Cloud products as they continue to explore and apply art design principles through motion graphics, electronic image manipulation, page layout and web page design. Students will also learn how to create some of the assets that are found in web pages, animate graphics and build a professional portfolio. Course fee required

## **CTE-Graphic Design**

**GV412**

Grades: 10 - 12

GV41 Graphic Design

Prerequisites: GV40

2 Semesters - 1 Practical Arts Credit/Elective Credit

Students will use Adobe Creative Cloud products as they continue to explore and apply art design principles through motion graphics, electronic image manipulation, page layout and web page design. Students will also learn how to create some of the assets that are found in web pages, animate graphics and build a professional portfolio. course fee required

## **CTE-Intro to Computer Aided Design**

**IT311**

Grades: 09 - 12

Beginning 17-18 course description and title changed

IT 31 Intro to Computer Aided Design

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Develops drafting skills and knowledge by extensive practice using current technologies and drafting tools to solve design problems. Specific

drafting areas studied include single-view drawing, multi-view drawing, auxiliary views, sections, surface development and three-dimensional drafting. All are necessary for engineering and architectural study. Computer Aided Design (AutoCAD) is used in this class. NOTE: Course fee required.

## **CTE-Intro to Computer Aided Design**

**IT312**

Grades: 09 - 12

Beginning 17-18 course description and title changed

IT 31 Intro to Computer Aided Design

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Develops drafting skills and knowledge by extensive practice using current technologies and drafting tools to solve design problems. Specific

drafting areas studied include single-view drawing, multi-view drawing, auxiliary views, sections, surface development and three-dimensional drafting. All are necessary for engineering and architectural study. Computer Aided Design (AutoCAD) is used in this class. NOTE: Course fee required.

## **CTE-Intro to Digital Photo**

**AR211**

Grades: 09 - 12

First Semester of:

AR 21 Intro to Digital Photo

2 Sem – 1 Practical/Fine Arts/Elective Credit

This course addresses technical and conceptual concepts in relation to historic and contemporary photography. Students experiment with a variety of lighting techniques, parts and use of a digital SLR camera, digital solutions, and conceptual approaches in order to create visually compelling photographs. Students learn how to transfer skills into a career in professional photography. Students will develop an electronic and traditional portfolio. A digital SLR is highly recommended. NOTE: Course fee required.



**CTE-Intro to Digital Photo**

**AR212**

Grades: 09 - 12

Second Semester of:

AR 21 Intro to Digital Photo

2 Sem – 1 Practical/Fine Arts/Elective Credit

This course addresses technical and conceptual concepts in relation to historic and contemporary photography. Students experiment with a variety of lighting techniques, parts and use of a digital SLR camera, digital solutions, and conceptual approaches in order to create visually compelling photographs. Students learn how to transfer skills into a career in professional photography. Students will develop an electronic and traditional portfolio. A digital SLR is highly recommended. NOTE: Course fee required.

**CTE-Intro to Video Production**

**GV201**

Grades: 09 - 12

Beginning 17-18 course title change to Intro to Video Production

2 Sem. – 1 Practical Arts/Elective Credit

This course will give students hands-on learning experiences in producing digital videos, TV broadcasts, and movies. This course will teach students how to produce, shoot, and edit a variety of digital video projects. Students will also learn the basic principles of media literacy, deconstructing commercials, and study television and movie history. Opportunities will be given to students through SkillsUSA, which include leadership development, field trips, travel, and competition.

NOTE: Course fee required.

**CTE-Intro to Video Production**

**GV202**

Grades: 09 - 12

Beginning 17-18 course title change to Intro to Video Production

GV 20 - Video, TV and Movie Production

2 Sem. – 1 Practical Arts/Elective Credit

This course will give students hands-on learning experiences in producing digital videos, TV broadcasts, and movies. This course will teach students how to produce, shoot, and edit a variety of digital video projects. Students will also learn the basic principles of media literacy, deconstructing commercials, and study television and movie history. Opportunities will be given to students through SkillsUSA, which include leadership development, field trips, travel, and competition.

NOTE: Course fee required.

**CTE-Introduction to Engineering Design**

**IT411**

Grades: 09 - 12

First Semester of:

IT 41 Introduction to Engineering Design

Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit

A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. NOTE: Course fee required.

**CTE-Introduction to Engineering Design**

**IT412**

Grades: 09 - 12

Second Semester of:

IT 41 Introduction to Engineering Design

Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit

A course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed and communicated using solid modeling computer design software. NOTE: Course fee required.

**CTE-Introduction to Graphic Design**

**GV401**

Grades: 09 - 12

GV 40 Introduction to Graphic Design

2 Semesters - 1 Practical Arts Credit/Elective

Students will learn the principles of great design and typography while using professional-grade Adobe design software to create digital drawings, logos, advertisements, magazine layouts, and more. Students complete the course with a portfolio. NOTE: Course fee required

**CTE-Introduction to Graphic Design**

**GV402**

Grades: 09 - 12

GV 40 Introduction to Graphic Design

2 Semesters - 1 Practical Arts Credit/Elective

Students will learn the principles of great design and typography while using professional-grade Adobe design software to create digital drawings, logos, advertisements, magazine layouts, and more. Students complete the course with a portfolio. NOTE: Course fee required

**CTE-Marketing I**

**BE521**

Grades: 09 - 12

First Semester of:

BE 52 Marketing I

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

In today's marketplace, students need to be prepared to sell themselves and their skills. Marketing I will introduce students to the most exciting areas of marketing, such as sports and entertainment, e-commerce, fashion and merchandising, and travel and tourism. Students will learn employability skills as applied to the marketing field. Students enrolling in the course are strongly encouraged to join DECA, which is the career and technical student organization associated with the Marketing program. Opportunities available through DECA include leadership development, field trips, travel, and competition.

**CTE-Marketing I**

**BE522**

Grades: 09 - 12

Second Semester of:

BE 52 Marketing I

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

In today's marketplace, students need to be prepared to sell themselves and their skills. Marketing I will introduce students to the most exciting areas of marketing, such as sports and entertainment, e-commerce, fashion and merchandising, and travel and tourism. Students will learn employability skills as applied to the marketing field. Students enrolling in the course are strongly encouraged to join DECA, which is the career and technical student organization associated with the Marketing program. Opportunities available through DECA include leadership development, field trips, travel, and competition.

**CTE-Marketing II**

**BE531**

Grades: 10 - 12

First Semester of:

BE 53 Marketing II

Difficulty: Average

2 Sem. – 1/2 Practical Arts/1/2 Economics/Elective Credit

Prerequisite: BE 52

Students will focus on the professional sales and marketing field and become better prepared to compete in a global business economy. The class will focus on the many facets of business and marketing including consumer behavior, legal and ethical issues, management, employability skills, leadership, and opportunities in marketing-related careers. Students enrolling in the course are strongly encouraged to join DECA, which is the career and technical student organization associated with the Marketing program. Opportunities available through DECA include leadership development, field trips, travel, and competition.



<b>CTE-Marketing II</b> Grades: 10 - 12 Second Semester of: BE 53 Marketing II Difficulty: Average 2 Sem. – 1/2 Practical Arts/1/2 Economics/Elective Credit Prerequisite: BE 52 Students will focus on the professional sales and marketing field and become better prepared to compete in a global business economy. The class will focus on the many facets of business and marketing including consumer behavior, legal and ethical issues, management, employability skills, leadership, and opportunities in marketing-related careers. Students enrolling in the course are strongly encouraged to join DECA, which is the career and technical student organization associated with the Marketing program. Opportunities available through DECA include leadership development, field trips, travel, and competition.	<b>BE532</b>	<b>CTE-Sports Medicine</b> Grades: 10 - 12 HE 92 Sports Medicine Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit Prerequisites: HE 91 An advanced laboratory course designed for students interested in athletic training, medicine, physical therapy, exercise science and/or other related paramedical fields. Students will examine the causes, prevention, evaluation, management, and rehabilitation of various sport related conditions. Topics regarding research, kinesiology, nutrition, pharmacology, exercise science and implementation of sports medicine programs will also be investigated. Enrolled students will be required to work as student athletic trainers. NOTE: This course does not count for PE credit.	<b>HE921</b>
<b>CTE-Prevention and Care of Sports Injuries</b> Grades: 09 - 12 First Semester of: HE 91 Prevention and Care of Sports Injuries Difficulty: Average-High 2 Sem. – 1 PE/Elective Credit Consists of first aid for athletic injuries, basic knowledge of the human body and its functions, understanding of procedures to be followed in common athletic injuries and information on diets for athletes.	<b>HE911</b>	<b>CTE-Sports Medicine</b> Grades: 10 - 12 HE 92 Sports Medicine Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit Prerequisites: HE 91 An advanced laboratory course designed for students interested in athletic training, medicine, physical therapy, exercise science and/or other related paramedical fields. Students will examine the causes, prevention, evaluation, management, and rehabilitation of various sport related conditions. Topics regarding research, kinesiology, nutrition, pharmacology, exercise science and implementation of sports medicine programs will also be investigated. Enrolled students will be required to work as student athletic trainers. NOTE: This course does not count for PE credit.	<b>HE922</b>
<b>CTE-Prevention and Care of Sports Injuries</b> Grades: 09 - 12 Second Semester of: HE 91 Prevention and Care of Sports Injuries Difficulty: Average-High 2 Sem. – 1 PE/Elective Credit Consists of first aid for athletic injuries, basic knowledge of the human body and its functions, understanding of procedures to be followed in common athletic injuries and information on diets for athletes.	<b>HE912</b>	<b>CTE-Video Production</b> Grades: 10 - 12 Course Title Change beginning 16-17 school year- Digital Photography II First Semester of: GV 21 - TV Broadcasting Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit Prerequisite: GV 20 Students enrolled in this course will build on their production experience by writing, producing, directing, and performing a television broadcast. Students will also produce commercials, public service announcements, highlight reels, news, and feature pieces for the TV broadcast. Students will learn advanced editing techniques and graphic skills using industry-standard software and equipment. Opportunities will be given to students through SkillsUSA, which include leadership development, field trips, travel, and competition.	<b>GV211</b>
<b>CTE-Principles of Engineering</b> Grades: 10 - 12 First Semester of: IT 43 Principles of Engineering Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit Prerequisite: IT 41 A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also includes concerns about social and political consequences of technological change. NOTE: Course fee required.	<b>IT431</b>		
<b>CTE-Principles of Engineering</b> Grades: 10 - 12 Second Semester of: IT 43 Principles of Engineering Difficulty: Average-High 2 Sem. – 1 Practical Arts/Elective Credit Prerequisite: IT 41 A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes helps students learn how engineers and technicians use math, science and technology in an engineering problem-solving process to benefit people. The course also includes concerns about social and political consequences of technological change. NOTE: Course fee required.	<b>IT432</b>		



## CTE-Video Production

GV212

Grades: 10 - 12

Course Title Change beginning 16-17 school year- Digital Photography II

Second Semester of:

GV 21 - TV Broadcasting

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisite: GV 20

Students enrolled in this course will build on their production experience by writing, producing, directing, and performing a television broadcast. Students will also produce commercials, public service announcements, highlight reels, news, and feature pieces for the TV broadcast. Students will learn advanced editing techniques and graphic skills using industry-standard software and equipment. Opportunities will be given to students through SkillsUSA, which include leadership development, field trips, travel, and competition.

## CTE-Welding and Materials Processes

IT731

Grades: 10 - 12

First Semester of:

IT 73 Welding and Materials Processes

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 72

Advanced program designed to increase the student's skills and knowledge in the field of welding. Speed, accuracy, and quality work are stressed. Also includes instruction in jigwork, mass production processes, machine cutting, and the welding of alloys and some exotic metals. NOTE: Course fee required.

## CTE-Welding and Materials Processes

IT732

Grades: 10 - 12

Second Semester of:

IT 73 Welding and Materials Processes

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 72

Advanced program designed to increase the student's skills and knowledge in the field of welding. Speed, accuracy, and quality work are stressed. Also includes instruction in jigwork, mass production processes, machine cutting, and the welding of alloys and some exotic metals. NOTE: Course fee required.

## CTE-Welding I - Basic

IT711

Grades: 09 - 12

First Semester of:

IT 71 Welding I - Basic

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Basic skills in SMAW (Shielded Metal Arc Welding), GMAW (Gas Metal Arc Welding), FCAW (Flux Core Arc Welding) and GTAW (Gas Tungsten Arc Welding) are emphasized. Students will learn metallurgy fundamentals, Oxy-Fuel welding and cutting, welding blueprint reading, employ-ability skills and the basic skills necessary for welding structures. NOTE: Course fee required.

## CTE-Welding I - Basic

IT712

Grades: 09 - 12

Second Semester of:

IT 71 Welding I - Basic

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Basic skills in SMAW (Shielded Metal Arc Welding), GMAW (Gas Metal Arc Welding), FCAW (Flux Core Arc Welding) and GTAW (Gas Tungsten Arc Welding) are emphasized. Students will learn metallurgy fundamentals, Oxy-Fuel welding and cutting, welding blueprint reading, employ-ability skills and the basic skills necessary for welding structures. NOTE: Course fee required.

## CTE-Welding II - Intermediate

IT721

Grades: 09 - 12

IT 72 Welding II - Intermediate

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 71

Welding II emphasis advanced skills and knowledge in all welding processes. Students will be introduced to workplace, construction and production applications. Students will also receive instruction on the appropriate technologies and techniques to complete approved personal projects. NOTE: Course fee required.

## CTE-Welding II - Intermediate

IT722

Grades: 09 - 12

IT 72 Welding II - Intermediate

Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit

Prerequisites: IT 71

Welding II emphasis advanced skills and knowledge in all welding processes. Students will be introduced to workplace, construction and production applications. Students will also receive instruction on the appropriate technologies and techniques to complete approved personal projects. NOTE: Course fee required.

## Intermd Integ Oral Eng Conversation, Voc

ELD281

Grades: 09 - 12

ELD 28 Intermediate Integrated Oral English Conversation, Vocabulary, and Reading

Prerequisites: Primary home language other than English and AZELLA Overall Proficiency Level at Intermediate

This course extends students' proficiency of English language listening, speaking, vocabulary, and reading skills through an integrated approach. Students refine the correct use of receptive and expressive language to reinforce advanced word analysis, fluency, relevant academic vocabulary, and comprehension. Through literary and informational text, students continue to expand reading and conversational skills related to academic success.

## Intermd Integ Oral Eng Conversation, Voc

ELD282

Grades: 09 - 12

ELD 28 Intermediate Integrated Oral English Conversation, Vocabulary, and Reading

Prerequisites: Primary home language other than English and AZELLA Overall Proficiency Level at Intermediate

This course extends students' proficiency of English language listening, speaking, vocabulary, and reading skills through an integrated approach. Students refine the correct use of receptive and expressive language to reinforce advanced word analysis, fluency, relevant academic vocabulary, and comprehension. Through literary and informational text, students continue to expand reading and conversational skills related to academic success.

## Intermediate Integrated Eng Grammar & V

ELD271

Grades: 09 - 12

ELD 27 Intermediate Integrated English Grammar and Writing II (2 Sem - 1 English Credit)

Prerequisites: Primary home language other than English and AZELLA Overall Proficiency Level at Intermediate

This course extends students' proficiency of English language grammar, structure, and writing. Students learn advanced syntactic elements of English (nouns, verbs, modifiers, etc.) along with phonetic and semantic aspects of the language, and the production of more complex sentences containing conjunctions, transitions, and prepositional phrases. This course integrates knowledge of advanced English language grammar and structure into sentence expansion and writing forms (paragraphs and essays). Students continue to refine grammar skills to develop pre-writing, draft composition, and editing using a writing process format.

**Intermediate Integrated Eng Grammar & V ELD272**

Grades: 09 - 12

ELD 27 Intermediate Integrated English Grammar and Writing II (2 Sem - 1 English Credit)

Prerequisites: Primary home language other than English and AZELLA Overall Proficiency Level at Intermediate

This course extends students' proficiency of English language grammar, structure, and writing. Students learn advanced syntactic elements of English (nouns, verbs, modifiers, etc.) along with phonetic and semantic aspects of the language, and the production of more complex sentences containing conjunctions, transitions, and prepositional phrases. This course integrates knowledge of advanced English language grammar and structure into sentence expansion and writing forms (paragraphs and essays). Students continue to refine grammar skills to develop pre-writing, draft composition, and editing using a writing process format.

**Intro to Integ Oral Eng Conversation, Voc ELD181**

Grades: 09 - 12

ELD 18 Introduction to Integrated Oral English Conversation, Vocabulary, and Reading

Prerequisite: Primary home language other than English and AZELLA Overall Proficiency Level at Pre-emergent/Emergent/Basic

This course introduces foundational English listening, speaking, vocabulary, and reading skills through an integrated language approach. Students develop reading and English skills for social and academic conversations with an emphasis on acquiring relevant sight word and content vocabulary. Through literary and informational text, students develop skills in reading fluency, decoding, and comprehension.

**Intro to Integ Oral Eng Conversation, Voc ELD182**

Grades: 09 - 12

ELD 18 Introduction to Integrated Oral English Conversation, Vocabulary, and Reading

Prerequisite: Primary home language other than English and AZELLA Overall Proficiency Level at Pre-emergent/Emergent/Basic

This course introduces foundational English listening, speaking, vocabulary, and reading skills through an integrated language approach. Students develop reading and English skills for social and academic conversations with an emphasis on acquiring relevant sight word and content vocabulary. Through literary and informational text, students develop skills in reading fluency, decoding, and comprehension.

**Introduction to Integrated Eng Grammar & ELD171**

Grades: 09 - 12

ELD 17 Introduction to Integrated English Grammar and Writing I (2 Sem - 1 English Credit)

Prerequisites: Primary home language other than English and AZELLA Overall Proficiency Level at Pre-emergent/Emergent/Basic

This course introduces students to foundational English language grammar, structure, and writing. Students learn basic syntactic elements of English (nouns, verbs, modifiers, etc.), phonetic and semantic aspects of the language, as well as the production of declarative, imperative, interrogative, and exclamatory sentences. This course integrates knowledge of English language grammar and structure into sentence expansion and writing forms (paragraphs and essays). Grammar skills are used to develop skills in pre-writing, draft composition, and editing using a writing process format.

**Introduction to Integrated Eng Grammar & ELD172**

Grades: 09 - 12

ELD 17 Introduction to Integrated English Grammar and Writing I (2 Sem - 1 English Credit)

Prerequisites: Primary home language other than English and AZELLA Overall Proficiency Level at Pre-emergent/Emergent/Basic

This course introduces students to foundational English language grammar, structure, and writing. Students learn basic syntactic elements of English (nouns, verbs, modifiers, etc.), phonetic and semantic aspects of the language, as well as the production of declarative, imperative, interrogative, and exclamatory sentences. This course integrates knowledge of English language grammar and structure into sentence expansion and writing forms (paragraphs and essays). Grammar skills are used to develop skills in pre-writing, draft composition, and editing using a writing process format.

**Advance Speech and Debate EN751W**

Grades: 09 - 12

New course beginning 17-18

EN 75 Advanced Speech &amp; Debate

Difficulty: High 2 Sem. — 1 English Credit

This is a yearlong co-curricular academic honors course that is open to all students. Students will be required use their skills in advanced acting, rhetoric, public speaking and debate to produce and compete in locally and nationally sanctioned competitive events. NOTE: This is a weighted course.

**Advanced Speech and Debate EN752W**

Grades: 09 - 12

Course Title Change beginning 17-18 school year

EN 75 Advanced Speech &amp; Debate

Difficulty: High 2 Sem. — 1 English Credit

This is a yearlong co-curricular academic honors course that is open to all students. Students will be required use their skills in advanced acting, rhetoric, public speaking and debate to produce and compete in locally and nationally sanctioned competitive events. NOTE: This is a weighted course.

**AP English Language & Composition EN701W**

Grades: 11 - 12

\*EN 70 AP English Language &amp; Composition

2 Sem. — 1 English Credit

This course involves college level reading and writing, focusing on rhetorical analysis in order to prepare students for the Advanced Placement (AP) exam in May. If students have a financial hardship paying for the exam, see your school Student Advisor. This course fulfills the junior English requirement. NOTE: This is a weighted course.

**AP English Language & Composition EN702W**

Grades: 11 - 12

\*EN 70 AP English Language &amp; Composition

2 Sem. — 1 English Credit

This course involves college level reading and writing, focusing on rhetorical analysis in order to prepare students for the Advanced Placement (AP) exam in May. If students have a financial hardship paying for the exam, see your school Student Advisor. This course fulfills the junior English requirement. NOTE: This is a weighted course.



<b>AP English Literature &amp; Composition</b> Grades: 11 - 12 *EN 71 AP English Literature & Composition 2 Sem.—1 English Credit This course involves college level reading and writing, focusing on literary analysis of novels, poetry, and prose in order to prepare students for the Advanced Placement (AP) exam in May. If students have a financial hardship paying for the exam, see your school Student Advisor. This course fulfills the senior English requirement. NOTE: This is a weighted course	<b>EN711W</b>	<b>English Composition 102</b> Grades: 10 - 12 *EN 64 English Composition 102 Difficulty: Average-High 1 Sem. — 1/2 English Credit Emphasis on rhetoric and composition with a focus on persuasive, research-based writing and understanding writing as a process. Developing advanced college-level writing strategies through three or more writing projects comprising at least 4,000 words in total. Students may be required to take the ASSET test to be eligible for enrollment. This course parallels with the course taught in college.	<b>EN64</b>
<b>AP English Literature &amp; Composition</b> Grades: 11 - 12 *EN 71 AP English Literature & Composition 2 Sem.—1 English Credit This course involves college level reading and writing, focusing on literary analysis of novels, poetry, and prose in order to prepare students for the Advanced Placement (AP) exam in May. If students have a financial hardship paying for the exam, see your school Student Advisor. This course fulfills the senior English requirement. NOTE: This is a weighted course	<b>EN712W</b>	<b>Freshman English</b> Grades: 09 - 12 First Semester of: *EN 09 Freshman English Difficulty: Average 2 Sem. — 1 English Credit This course addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will interact with complex texts, build knowledge through content rich texts, and engage in evidence based reading and writing.	<b>EN091</b>
<b>College - Prep Writing</b> Grades: 10 - 12 *EN 45 College-Prep Writing Difficulty: High 1 Sem. — 1/2 English Credit  Advanced composition that includes descriptive, expository, analytical and argumentative writing along with critical analysis of literature and vocabulary development.	<b>EN45</b>	<b>Freshman English</b> Grades: 09 - 12 Second Semester of: *EN 09 Freshman English Difficulty: Average 2 Sem. — 1 English Credit This course addresses reading literature and informational text, writing, speaking and listening skills, and language concepts (conventions and vocabulary). Students will interact with complex texts, build knowledge through content rich texts, and engage in evidence based reading and writing.	<b>EN092</b>
<b>Creative Writing</b> Grades: 10 - 12 *EN 44 Creative Writing Difficulty: Average-High 1 Sem. — 1/2 English Credit  Extend writing skills already mastered in EN47 and EN48. Students are challenged to express themselves across a variety of genres for the purpose of publication.	<b>EN44</b>	<b>Holocaust Literature</b> Grades: 10 - 12 *EN 63 Holocaust Literature Prerequisites: EN 35 or EN 48 1 Sem. — ½ English Credit Holocaust Literature focuses on the time period from 1933 to 1945. The history of the Holocaust and the rise of Hitler and the Nazis will be studied, but the main focus will be on the resulting literature. Works will be read that were written before, during, and after the Holocaust, and may include some more recent occurrences of genocide.	<b>EN63</b>
<b>Debate</b> Grades: 09 - 12 EN 74 Debate 1 Sem. — ½ English Credit This is a semester-long academic course that is open to all students with a desire to learn the skills associated with debate, argumentation and rhetoric. Students will be required use skills in argumentation, research, critical reading and thinking, public speaking, and rhetoric to prepare and present debates and speeches.	<b>EN74</b>	<b>Honors Freshman English</b> Grades: 09 *EN 27 Honors Freshman English 2 Sem. — 1 English Credit An accelerated language arts course with an emphasis on enrichment experiences, including advanced work in literature, composition, grammar, research and reading, with a focus on critical reading and argumentation. NOTE: This is a weighted course.	<b>EN271W</b>
<b>English Composition 101</b> Grades: 11 - 12 *EN 72 English Composition 101 Difficulty: Average - High 1 Sem. — 1/2 English Credit Emphasis on rhetoric and composition with a focus on expository writing and understanding writing as a process. Establishing effective college-level writing strategies through four or more writing projects comprising at least 3,000 words in total. Students may be required to take the ASSET test to be eligible for enrollment. This course parallels with the course taught in college.	<b>EN72</b>	<b>Honors Freshman English</b> Grades: 09 *EN 27 Honors Freshman English 2 Sem. — 1 English Credit An accelerated language arts course with an emphasis on enrichment experiences, including advanced work in literature, composition, grammar, research and reading, with a focus on critical reading and argumentation. NOTE: This is a weighted course.	<b>EN272W</b>



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<b>Honors Sophomore English</b> EN351W Grades: 10 - 12 *EN 35 Honors Sophomore English 2 Sem. – 1 English Credit An accelerated language arts course with an emphasis on enrichment experiences, including exposure to advanced work in literature, composition, grammar, syntax, research and reading, with a focus on rigor, complexity, and sophistication of content, writing, and language arts skills. NOTE: This is a weighted course.	<b>Senior English</b> EN491 Grades: 10 - 12 *EN 49 Senior English Prerequisites: EN 48 2 Sem. – 1 English Credit This course integrates writing for a variety of purposes and audiences. Writing includes a focus on "real world" skills, including expository, communication, research and analysis modes. Universal themes in literature are explored in a variety of fiction, non-fiction, poetry and drama selections. Readings from a broad variety of authors is surveyed.
<b>Honors Sophomore English</b> EN352W Grades: 10 - 12 *EN 35 Honors Sophomore English 2 Sem. – 1 English Credit An accelerated language arts course with an emphasis on enrichment experiences, including exposure to advanced work in literature, composition, grammar, syntax, research and reading, with a focus on rigor, complexity, and sophistication of content, writing, and language arts skills. NOTE: This is a weighted course.	<b>Senior English</b> EN492 Grades: 10 - 12 *EN 49 Senior English Prerequisites: EN 48 2 Sem. – 1 English Credit This course integrates writing for a variety of purposes and audiences. Writing includes a focus on "real world" skills, including expository, communication, research and analysis modes. Universal themes in literature are explored in a variety of fiction, non-fiction, poetry and drama selections. Readings from a broad variety of authors is surveyed.
<b>Junior English</b> EN481 Grades: 10 - 12 *EN 48 Junior English Prerequisites: EN 47 2 Sem. – 1 English Credit This course integrates the modes of essay writing with the study of literature. Course content combines the study of literary models of fiction and nonfiction, and the composition skills of exposition and argument. Composition emphasis is on research skills, development of language skills, and multi-paragraph essays.	<b>Sophomore English</b> EN471 Grades: 09 - 12 *EN 47 Sophomore English 2 Sem. – 1 English Credit This course integrates reading literature and informational text with composition. Course content combines the study of speaking and listening, language, and critical thinking skills. Writing exercises emphasize the writing process including deliberate use of diction, syntax, organization, and development of ideas when writing about both fiction and non-fiction texts. Literature study includes use and analysis of literary elements.
<b>Junior English</b> EN482 Grades: 10 - 12 *EN 48 Junior English Prerequisites: EN 47 2 Sem. – 1 English Credit This course integrates the modes of essay writing with the study of literature. Course content combines the study of literary models of fiction and nonfiction, and the composition skills of exposition and argument. Composition emphasis is on research skills, development of language skills, and multi-paragraph essays.	<b>Sophomore English</b> EN472 Grades: 09 - 12 *EN 47 Sophomore English 2 Sem. – 1 English Credit This course integrates reading literature and informational text with composition. Course content combines the study of speaking and listening, language, and critical thinking skills. Writing exercises emphasize the writing process including deliberate use of diction, syntax, organization, and development of ideas when writing about both fiction and non-fiction texts. Literature study includes use and analysis of literary elements.
<b>Multicultural Literature</b> EN56 Grades: 10 - 12 *EN 56 Multicultural Literature Difficulty: Average 1 Sem. – 1/2 English Credit  This course offers the study of a variety of literary genres which are representative of the cultural diversity in the United States. Course content includes, but is not exclusive to, themes and authors from African, Hispanic, and Native American cultures. Course work includes critical reading and thinking, participation in discussion, composition, and research.	<b>Speech/Communications Arts</b> EN73 Grades: 09 - 12 EN 73 Speech/Communications Arts Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 English Credit Review of the various formal and informal areas of oral communications. Includes interpersonal communication skills, listening techniques, public speaking, group discussions and oral interpretation.
<b>Mythology</b> EN52 Grades: 10 - 12 *EN 52 Mythology Difficulty: Average-High 1 Sem. – 1/2 English Credit  Through the analysis of various classical and/or world mythologies, students will gain an appreciation for their cultural contributions and will form a foundation for understanding later literary works. Emphasis will be placed on understanding cultures and human behavior.	<b>Yearbook Publications</b> EN861 Grades: 09 - 12 First Semester of: EN 86 Yearbook Publications Difficulty: Average 1 or 2 Sem. – 1/2 or 1 English Credit Prerequisites: Teacher interview required Designed to teach students the basic techniques of publication. The final project is the school yearbook.



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## Yearbook Publications

Grades: 09 - 12

Second Semester of:

EN 86 Yearbook Publications

Difficulty: Average 1 or 2 Sem. — 1/2 or 1 English Credit

Prerequisites: Teacher interview required

Designed to teach students the basic techniques of publication.

The final project is the school yearbook.

EN862

## Algebra I

Grades: 07 - 12

\*MA 27 Algebra I

2 Sem. — 1 Math Credit

Mathematical practices and modeling with mathematics are embedded into standards for algebra to include the study of number and quantity, functions, reasoning with equations and inequalities, and interpreting categorical and quantitative data. Instructional time and learning focuses on three critical areas: (1) Deepen and extend understanding

of linear and exponential relationships; (2) Engage in methods for analyzing, solving, and using quadratic functions; and (3) Apply linear models to data that exhibit a linear trend. MA 27S: Course may be

taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

MA272

## Attending AM Classes on EVIT Campus

Grades: 10 - 12

AM Classes on EVIT Campus

1601 W Main Street

Mesa AZ 85201

(480)461-4108

EVITAM

Monday - Friday 8:05 to 10:35 a.m.

## Attending PM Classes on EVIT Campus

Grades: 10 - 12

PM Classes on EVIT Campus

1601 W Main Street

Mesa AZ 85201

(480)461-4108

EVITPM

Monday - Friday 12:05 to 2:35 p.m.

## Algebra Applications

Grades: 09 - 12

First Semester of:

MA 38 Algebra Applications

Difficulty: Average 2 Sem. — 1 Math Credit

Prerequisites: MA 27 and MA 30

This course extends and applies the concepts of Algebra I and introduces concepts from Algebra II. The curriculum includes the study of linear, quadratic, polynomial, and exponential functions. Data collection and analysis are emphasized and technology is utilized. Projects and math labs, designed to integrate mathematics and science, are used to teach and reinforce concepts.

MA381

## Algebra II

Grades: 09 - 12

\*MA 40 Algebra II

Prerequisites: MA 27 and MA 30 2 Sem. — 1 Math Credit

This course expands on standards from algebra and geometry. Algebra 2 embeds mathematical practices and modeling with mathematics into standards to include the study of rational exponents, quantitative reasoning, the complex number system, and reasoning with equations and inequalities. Instructional time and learning focuses on four critical areas: (1) Extending the real number system to the complex number system, representing radicals with rational exponents; (2) Solving and interpreting solutions to a variety of equations, inequalities, and systems of equations; (3) Demonstrate competency graphing and interpreting

functions extending from linear, quadratic, and exponential with integer exponents to polynomial, radical, rational, exponential with real exponents, logarithmic, trigonometric functions, and piecewise defined functions; and (4) Extend simple and compound probability calculations to conditional probability.

MA401

## Algebra Applications

Grades: 09 - 12

Second Semester of:

MA 38 Algebra Applications

Difficulty: Average 2 Sem. — 1 Math Credit

Prerequisites: MA 27 and MA 30

This course extends and applies the concepts of Algebra I and introduces concepts from Algebra II. The curriculum includes the study of linear, quadratic, polynomial, and exponential functions. Data collection and analysis are emphasized and technology is utilized. Projects and math labs, designed to integrate mathematics and science, are used to teach and reinforce concepts.

MA382

## Algebra II

Grades: 09 - 12

\*MA 40 Algebra II

Prerequisites: MA 27 and MA 30 2 Sem. — 1 Math Credit

This course expands on standards from algebra and geometry. Algebra 2 embeds mathematical practices and modeling with mathematics into standards to include the study of rational exponents, quantitative reasoning, the complex number system, and reasoning with equations and inequalities. Instructional time and learning focuses on four critical areas: (1) Extending the real number system to the complex number system, representing radicals with rational exponents; (2) Solving and interpreting solutions to a variety of equations, inequalities, and systems of equations; (3) Demonstrate competency graphing and interpreting

functions extending from linear, quadratic, and exponential with integer exponents to polynomial, radical, rational, exponential with real exponents, logarithmic, trigonometric functions, and piecewise defined functions; and (4) Extend simple and compound probability calculations to conditional probability.

MA402

## Algebra I

Grades: 07 - 12

\*MA 27 Algebra I

2 Sem. — 1 Math Credit

Mathematical practices and modeling with mathematics are embedded into standards for algebra to include the study of number and quantity, functions, reasoning with equations and inequalities, and interpreting categorical and quantitative data. Instructional time and learning focuses on three critical areas: (1) Deepen and extend understanding

of linear and exponential relationships; (2) Engage in methods for analyzing, solving, and using quadratic functions; and (3) Apply linear models to data that exhibit a linear trend. MA 27S: Course may be

taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

MA271

## AP Calculus AB

Grades: 09 - 12

\*MA 50 AP Calculus AB

Difficulty: High 2 Sem. — 1 Math Credit

Prerequisites: MA40 or MA41

Parallels the typical first semester of college calculus and includes a review and extension of analytical geometry, a study of functions, limits, continuity, differential calculus, transcendental functions, and techniques of integration. Both theory & application are emphasized. Students will use analytical, numerical, graphical, and verbal approaches to solving problems. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

MA501W



**AP Calculus AB**

Grades: 09 - 12

\*MA 50 AP Calculus AB

Difficulty: High 2 Sem. — 1 Math Credit

Prerequisites: MA40 or MA41

Parallels the typical first semester of college calculus and includes a review and extension of analytical geometry, a study of functions, limits, continuity, differential calculus, transcendental functions, and techniques of integration. Both theory & application are emphasized. Students will use analytical, numerical, graphical, and verbal approaches to solving problems. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**AP Calculus BC**

Grades: 09 - 12

\*MA 51 AP Calculus BC

Difficulty: High 2 Sem. — 1 Math Credit

Prerequisites: MA45, MA50 or teacher recommendation

Intended for students who have a thorough knowledge of analytic geometry and elementary functions in addition to college preparatory algebra, geometry and trigonometry. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**AP Calculus BC**

Grades: 09 - 12

\*MA 51 AP Calculus BC

Difficulty: High 2 Sem. — 1 Math Credit

Prerequisites: MA45, MA50 or teacher recommendation

Intended for students who have a thorough knowledge of analytic geometry and elementary functions in addition to college preparatory algebra, geometry and trigonometry. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**AP Statistics**

Grades: 11 - 12

\*MA 52 AP Statistics

Difficulty High 2 Sem. — 1 Math Credit

Grades: 11th-12th

Prerequisite: MA 40 or MA 41

Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns, 2. Sampling and Experimentation: Planning and conducting a study, 3. Anticipating Patterns: Exploring random phenomena using probability and simulation, and 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**AP Statistics**

Grades: 11 - 12

\*MA 52 AP Statistics

Difficulty High 2 Sem. — 1 Math Credit

Grades: 11th-12th

Prerequisite: MA 40 or MA 41

Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns, 2. Sampling and Experimentation: Planning and conducting a study, 3. Anticipating Patterns: Exploring random phenomena using probability and simulation, and 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**MA502W**

**College Algebra/Trigonometry (Pre-Calcu**

**MA421**

Grades: 07 - 12

Course change beginning 16-17 school year to MA42 College Algebra/Trigonometry (Pre-calculus)

Difficulty: High 2 Sem. — 1 Math Credit

Grades: 11-12

Prerequisites: MA 40 or MA 41

This is a rigorous course consisting of one semester of College Algebra/Functions (equivalent to MAT152 at MCC) and one semester of Plane Trigonometry (equivalent to MAT182 at MCC). Completion of both semesters of this course is equivalent to MAT187 Pre-calculus at MCC. This course prepares students for AP Calculus AB. Topics emphasized in the course include: functions, mathematical modeling, exponential and logarithmic equations and inequalities, and trigonometry. This course may be taken for dual enrollment in conjunction with MCC.

Old info-

Course Title Changed beginning with 15-16 school year to College Algebra

**College Algebra/Trigonometry (Pre-Calcu**

**MA422**

Grades: 07 - 12

Course change beginning with the 16-17 school year to MA42 College Algebra/Trigonometry (Pre-calculus)

Difficulty: High 2 Sem. — 1 Math Credit

Grades: 11-12

Prerequisites: MA 40 or MA 41

This is a rigorous course consisting of one semester of College Algebra/Functions (equivalent to MAT152 at MCC) and one semester of Plane Trigonometry (equivalent to MAT182 at MCC). Completion of both semesters of this course is equivalent to MAT187 Pre-calculus at MCC. This course prepares students for AP Calculus AB. Topics emphasized in the course include: functions, mathematical modeling, exponential and logarithmic equations and inequalities, and trigonometry. This course may be taken for dual enrollment in conjunction with MCC.

Old info-

Course Title Changed beginning with the 15-16 school year to College Algebra

**Contemporary Mathematics with Modelin**

**MA431**

Grades: 09 - 12

Course Title Change/New course beginning with the 15-16 school year  
New Title: Contemporary Mathematics with Modeling

Difficulty: Average 2 Semesters - 1 Math Credit

Grade: 11 or 12

Prerequisites: MA40 This course is aligned with Arizona's College and Career Ready Standards and fulfills the fourth mathematics credit needed for graduation. This is a course where students will make connections and build relationships through the study of mathematical structures, integrating technology to assist in developing algorithms. Discrete math concept units include Algebra Modeling, Data Modeling, Probability and Combinatorics, Vertex-Edge Graphs, and Analysis of Change.

Pilot Math Program Dobson HS Beginning 14-15 school year

MA431 Discrete Mathematics with Mathematical Modeling

Discrete Math with Mathematical Modeling

This course is aligned with Arizona's College and Career Ready Standards and fulfills the fourth mathematics credit needed for graduation toward Mesa Schools Standard Diploma. This is a course where students will make connections and build relationships through the study of mathematical structures, integrating technology to assist in developing algorithms. Concept units include Algebra Modeling, Data Modeling, Probability and Combinatorics, Vertex-Edge Graphs, and Analysis of Change.



**Contemporary Mathematics with Modeling** MA432  
Grades: 09 - 12

Course Title Change/New course beginning with the 15-16 school year  
New Title: Contemporary Mathematics with Modeling  
Difficulty: Average 2 Semesters - 1 Math Credit  
Grade: 11 or 12  
Prerequisites: MA40

This course is aligned with Arizona's College and Career Ready Standards and fulfills the fourth mathematics credit needed for graduation. This is a course where students will make connections and build relationships through the study of mathematical structures, integrating technology to assist in developing algorithms. Discrete math concept units include Algebra Modeling, Data Modeling, Probability and Combinatorics, Vertex-Edge Graphs, and Analysis of Change.

Pilot Math Program Dobson HS Beginning 14-15 school year  
MA432 Discrete Mathematics with Mathematical Modeling  
Discrete Math with Mathematical Modeling

This course is aligned with Arizona's College and Career Ready Standards and fulfills the fourth mathematics credit needed for graduation toward Mesa Schools Standard Diploma. This is a course where students will make connections and build relationships through the study of mathematical structures, integrating technology to assist in developing algorithms. Concept units include Algebra Modeling, Data Modeling, Probability and Combinatorics, Vertex-Edge Graphs, and Analysis of Change.

**Geometry** MA301  
Grades: 07 - 12

\*MA 30 Geometry  
Prerequisites: MA 27 2 Sem. – 1 Math Credit  
Mathematical practices and modeling with mathematics are embedded into standards for geometry to include the study of congruence, similarity, right triangles, and trigonometry, circles, expressing geometric properties with equations, and geometric measurement and dimension. Instructional time and learning focuses on five critical areas:  
(1) Establishing criteria for congruence of geometric figures based on rigid motions; (2) Establishing criteria for similarity of geometric figures based on dilations and proportional reasoning; (3) Develop understanding of informal explanations of circumference, area, and volume formulas; (4) Proving geometric theorems; and (5) Solve problems involving right triangles. MA 30S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

**Geometry** MA302  
Grades: 07 - 12

\*MA 30 Geometry  
Prerequisites: MA 27 2 Sem. – 1 Math Credit  
Mathematical practices and modeling with mathematics are embedded into standards for geometry to include the study of congruence, similarity, right triangles, and trigonometry, circles, expressing geometric properties with equations, and geometric measurement and dimension. Instructional time and learning focuses on five critical areas:  
(1) Establishing criteria for congruence of geometric figures based on rigid motions; (2) Establishing criteria for similarity of geometric figures based on dilations and proportional reasoning; (3) Develop understanding of informal explanations of circumference, area, and volume formulas; (4) Proving geometric theorems; and (5) Solve problems involving right triangles. MA 30S: Course may be taken only upon teacher approval. Course content and instruction will be differentiated to meet the specialized needs of the student.

**Honors Algebra II** MA411W  
Grades: 07 - 12

\*MA 41 Honors Algebra II  
2 Sem. – 1 Math Credit  
Prerequisites: MA 27 & MA 30 or MA 32. A placement test may be required.  
A fast paced course that expands on standards from algebra and geometry.  
Honors Algebra II embeds mathematical practices, applications and modeling with mathematics into standards to include the study of rational exponents, quantitative reasoning, the complex number system, and reasoning with equations and inequalities. Instructional time and learning focuses on four critical areas: (1) Extending the real number system to the complex number system, representing radicals with rational exponents; (2) Solving and interpreting solutions to a variety of equations, inequalities, and systems of equations; (3) Demonstrate competency graphing and interpreting functions extending from linear, quadratic, and exponential with integer exponents to polynomial, radical, rational, exponential with real exponents, logarithmic, trigonometric functions, and piece-wise defined functions; and (4) Extend simple and compound probability calculations to conditional probability.  
NOTE: This is a weighted course.

**Honors Algebra II** MA412W  
Grades: 07 - 12

\*MA 41 Honors Algebra II  
2 Sem. – 1 Math Credit  
Prerequisites: MA 27 & MA 30 or MA 32. A placement test may be required.  
A fast paced course that expands on standards from algebra and geometry.  
Honors Algebra II embeds mathematical practices, applications and modeling with mathematics into standards to include the study of rational exponents, quantitative reasoning, the complex number system, and reasoning with equations and inequalities. Instructional time and learning focuses on four critical areas: (1) Extending the real number system to the complex number system, representing radicals with rational exponents; (2) Solving and interpreting solutions to a variety of equations, inequalities, and systems of equations; (3) Demonstrate competency graphing and interpreting functions extending from linear, quadratic, and exponential with integer exponents to polynomial, radical, rational, exponential with real exponents, logarithmic, trigonometric functions, and piece-wise defined functions; and (4) Extend simple and compound probability calculations to conditional probability.  
NOTE: This is a weighted course.

**Honors Geometry** MA321W  
Grades: 07 - 12

\*MA 32 Honors Geometry  
Prerequisite: MA 27 and teacher recommendation 2 Sem.–1 Math Credit  
Mathematical practices and modeling with mathematics are embedded into standards for honors geometry to include the study of congruence, similarity, right triangles, and trigonometry, circles, expressing geometric properties with equations, and geometric measurement and dimension. Instructional time and learning focuses on five critical areas: (1) Establishing criteria for congruence of geometric figures based on rigid motions; (2) Establishing criteria for similarity of geometric figures based on dilations and proportional reasoning; (3) Develop understanding of informal explanations of circumference, area, and volume formulas; (4) Proving geometric theorems; and (5) Solve problems involving right triangles. In addition, the curriculum includes rigorous proofs, algebraic representations of geometric concepts, transformational geometry and coordinate geometry. NOTE: This is a weighted course.



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<b>Honors Geometry</b> Grades: 07 - 12 *MA 32 Honors Geometry Prerequisite: MA 27 and teacher recommendation 2 Sem.—1 Math Credit Mathematical practices and modeling with mathematics are embedded into standards for honors geometry to include the study of congruence, similarity, right triangles, and trigonometry, circles, expressing geometric properties with equations, and geometric measurement and dimension. Instructional time and learning focuses on five critical areas: (1) Establishing criteria for congruence of geometric figures based on rigid motions; (2) Establishing criteria for similarity of geometric figures based on dilations and proportional reasoning; (3) Develop understanding of informal explanations of circumference, area, and volume formulas; (4) Proving geometric theorems; and (5) Solve problems involving right triangles. In addition, the curriculum includes rigorous proofs, algebraic representations of geometric concepts, transformational geometry and coordinate geometry. NOTE: This is a weighted course.	<b>MA322W</b>	<b>Personal Finance</b> Grades: 10 - 12 Second Semester of: MA 35 Personal Finance Difficulty: Average 1-2 Sem. — ½ - 1 Math Credit Prerequisite: MA 27 and MA 30 This course introduces students to the basics of financial literacy including such topics as creating personal financial goals, saving and investing, banking, using debit and credit cards, making major purchases, paying payroll and other taxes, and purchasing insurance. By emphasizing the importance of setting goals and creating a financial plan, students learn to think before spending. Students will learn how credit scores can impact one's ability to secure a loan and, in some cases, determine whether they will be hired for a job. Students will also become familiar with some of the reality that faces everyone when they get their first job, their first apartment, or just take on more personal financial responsibilities.	<b>MA352</b>
<b>Honors Pre-Calculus</b> Grades: 09 - 12 Course Title Change beginning with the 16-17 school year to MA45 Honor Pre- Calculus *MA 45 Pre-Calculus Difficulty: High 2 Sem. — 1 Math Credit Prerequisites: MA42, MA45 or teacher recommended An in depth study of algebraic, trigonometric, logarithmic, exponential functions, related graphing applications and an introduction to limits. Students will use analytical, numerical, graphical, and verbal approaches to solving problems. NOTE: This is a weighted course.	<b>MA451W</b>	<b>Leadership</b> Grades: 09 - 12 ST 20 Leadership Difficulty: Average 1 Sem. — 1/2 Elective Credit Prerequisites: Teacher recommendation This course is designed to teach students leadership skills that apply to work, community, family, and school settings. Students will learn a 5-stage mediation process and use their skills to help other students resolve conflicts. Effective communication behaviors such as active listening, consensus building, questioning, effective complaining, and "I" messages will be learned and practiced. Students will demonstrate leadership by becoming involved in campus and community service projects. Other topics to be explored include ethics, unity/diversity, confidence building, decision-making, teamwork, public speaking, personal development, and qualities of good leaders.	<b>ST201</b>
<b>Honors Pre-Calculus</b> Grades: 09 - 12 Course Title Change beginning with the 16-17 school year to MA45 Honor Pre- Calculus *MA 45 Pre-Calculus Difficulty: High 2 Sem. — 1 Math Credit Prerequisites: MA42, MA45 or teacher recommended An in depth study of algebraic, trigonometric, logarithmic, exponential functions, related graphing applications and an introduction to limits. Students will use analytical, numerical, graphical, and verbal approaches to solving problems. NOTE: This is a weighted course.	<b>MA452W</b>	<b>Lunch</b> Grades: 09 - 12 Lunch all high schools	<b>NC601</b>
<b>Personal Finance</b> Grades: 10 - 12 First Semester of: MA 35 Personal Finance Difficulty: Average 1-2 Sem. — ½ - 1 Math Credit Prerequisite: MA 27 and MA 30 This course introduces students to the basics of financial literacy including such topics as creating personal financial goals, saving and investing, banking, using debit and credit cards, making major purchases, paying payroll and other taxes, and purchasing insurance. By emphasizing the importance of setting goals and creating a financial plan, students learn to think before spending. Students will learn how credit scores can impact one's ability to secure a loan and, in some cases, determine whether they will be hired for a job. Students will also become familiar with some of the reality that faces everyone when they get their first job, their first apartment, or just take on more personal financial responsibilities.	<b>MA351</b>	<b>Lunch</b> Grades: 09 - 12 Lunch all high schools	<b>NC602</b>
		<b>Released Time- Personal</b> Grades: 09 - 12 Released Time NC 40 RELEASED TIME-PERSONAL (for religious purposes A.R.S. 15-806)	<b>NC401</b>
		<b>Released Time- Personal</b> Grades: 09 - 12 Released Time NC 40 RELEASED TIME-PERSONAL (for religious purposes A.R.S. 15-806)	<b>NC402</b>



## Service Learning/Civic Engagement

ST94

Grades: 09 - 12

Course Title Changed from SS94 Service Learning beginning 16-17 school year

ST94 Service Learning/Civic Engagement

Difficulty: Average 1 or 2 Semesters 1/2 or 1 Elective Credit

Grades: 9-12

Combines classroom study of community issues, civic engagement, and career interests with field experience serving in the community. Students attend class two days a week and volunteer three hours a week a one or more placement sites such as schools, community organizations, or sports leagues. Classroom activities focus on personal and interpersonal skill development, leadership, project planning, and employment skills. Classroom and volunteer hours combined must be total of 90 hours for each 1/2 credit.

## Advanced Acting

PA921

Grades: 09 - 12

First Semester of:

PA 92 Advanced Acting

Difficulty: Average-High 1 or 2 Sem. — 1/2 or 1 Fine Arts Credit

Prerequisites: Teacher recommendation/audition

For advanced acting students who are interested in learning the techniques of auditioning and analyzing characters in depth.

Through improvisations and acting scenes, each student will learn how to create the role desired in a production. In addition, much time will be spent on what constitutes complete characterization.

Rehearsals and performances after school hours may be required.

## Advanced Acting

PA922

Grades: 09 - 12

Second Semester of:

PA 92 Advanced Acting

Difficulty: Average-High 1 or 2 Sem. — 1/2 or 1 Fine Arts Credit

Prerequisites: Teacher recommendation/audition

For advanced acting students who are interested in learning the techniques of auditioning and analyzing characters in depth.

Through improvisations and acting scenes, each student will learn how to create the role desired in a production. In addition, much time will be spent on what constitutes complete characterization.

Rehearsals and performances after school hours may be required.

## AP Music Theory

MU331W

Grades: 09 - 12

MU 33 AP Music Theory

Difficulty: High 2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation

MU 33 is for the serious, advanced music student who wishes to broaden his/her scope in the science and fundamentals of music theory. Included is the study of harmony, music history, conducting, composition and arranging. MU33/AP Music Theory is a weighted class which prepares students for the AP Exam in May. Students must pass the fall semester in order to continue in the spring. Placement is by teacher recommendation. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

## AP Music Theory

MU332W

Grades: 09 - 12

MU 33 AP Music Theory

Difficulty: High 2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation

MU 33 is for the serious, advanced music student who wishes to broaden his/her scope in the science and fundamentals of music theory. Included is the study of harmony, music history, conducting, composition and arranging. MU33/AP Music Theory is a weighted class which prepares students for the AP Exam in May. Students must pass the fall semester in order to continue in the spring. Placement is by teacher recommendation. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

## Beginning Guitar

MU29

Grades: 09 - 12

MU 29 Beginning Guitar

Difficulty: Beginning 1 Sem. — 1/2 Fine Arts/Elective Credit

Prerequisites: Must have access to classical or acoustic guitar

MU 29 introduces the student to the guitar and playing techniques for the instrument. The course, designed for beginners, includes note reading, rhythms and basic guitar skills. Both individual and group studies are included. Public performance is a possibility. Course fee required

## Class Piano

MU66

Grades: 09 - 12

New course 2019-2020

Course Title: MU 66 Class Piano 1 Sem. — ½ Fine Arts/Elective Credit

MU 66 is an introductory, group piano class that will teach basic piano skills. Elements of

music theory will also be introduced. It is highly recommended that this course be taken

prior to AP Music Theory, though this is not a requirement. NOTE:

Students who are enrolled in the Conservatory Program at Mountain View High School will receive

priority enrollment in this course.

## Concert Band

MU801

Grades: 09 - 12

First Semester of:

MU 80 Concert Band

Difficulty: Average 1 or 2 Sem. — 1/2 or 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Concert Band provides opportunities for the average band student to play in a performing organization. Emphasis is placed on improving individual reading and performance skills. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.

## Concert Band

MU802

Grades: 09 - 12

Second Semester of:

MU 80 Concert Band

Difficulty: Average 1 or 2 Sem. — 1/2 or 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

Concert Band provides opportunities for the average band student to play in a performing organization. Emphasis is placed on improving individual reading and performance skills. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.

## Concert Orchestra

MU901

Grades: 09 - 12

First Semester of:

MU 90 Concert Orchestra

Difficulty: Average 2 Sem. — 1 Fine Arts/Elective Credit

Prerequisites: Teacher recommendation/audition

MU 90 is an ensemble for the development of advanced string techniques. A variety of musical styles will be studied and performed throughout the year. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.



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<b>Concert Orchestra</b> Grades: 09 - 12 Second Semester of: MU 90 Concert Orchestra Difficulty: Average 2 Sem. – 1 Fine Arts/Elective Credit Prerequisites: Teacher recommendation/audition MU 90 is an ensemble for the development of advanced string techniques. A variety of musical styles will be studied and performed throughout the year. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.	<b>MU902</b>	<b>Marching Band</b> Grades: 09 - 12 MU 81 Marching Band Difficulty: Average 1 Sem. – 1/4 Fine Arts/1/4 PE/Elective Credit Prerequisites: Member of band. Placement by teacher recommendation/Audition Marching Band is an ensemble which performs extensively at sporting events, parades, concerts and competitions. This course requires an extensive time commitment outside of regular school hours. Uniforms or special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required. NOTE: This course may count in lieu of P. E. requirement. Hands only CPR will be taught to fulfill Arizona State Statute requirements.	<b>MU81</b>
<b>Intermediate Acting</b> Grades: 10 - 12 First Semester of: PA 86 Intermediate Acting Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 Fine Arts/Elective Credit  Provides an opportunity for all interested theatre students to advance their understanding of theatre and performance. Students will be introduced to more advanced acting techniques and styles and be allowed to further advance their directing and technical skills. Open to all students who have completed PA 90 and PA 91.	<b>PA861</b>	<b>Music and Culture</b> Grades: 09 - 12 Course Title: MU 59 Music and Culture 1 Sem.–½ Fine Arts/Elective Credit MU 59 is a non-performance class, which introduces students to music from various cultures around the world. Recognition of cultural traits and how they influence musical styles is emphasized. NOTE: Students who are enrolled in the Conservatory Program at Mountain View High School will receive priority enrollment in this course.	<b>MU59</b>
<b>Intermediate Acting</b> Grades: 10 - 12 Second Semester of: PA 86 Intermediate Acting Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 Fine Arts/Elective Credit  Provides an opportunity for all interested theatre students to advance their understanding of theatre and performance. Students will be introduced to more advanced acting techniques and styles and be allowed to further advance their directing and technical skills. Open to all students who have completed PA 90 and PA 91.	<b>PA862</b>	<b>Proficient Tenor/Bass Choir</b> Grades: 09 - 12 Replacing MU711 Men's Choir beginning 2021 school year Difficulty: Beginning-Average 2 Sem. – 1 Fine Arts/Elective Credit Prerequisites: Teacher recommendation/audition Beginning male singers may enroll in Men's Chorus. Students will learn music reading/notation/listening skills, explore music history and appropriate vocal technique through the performance of various genres of choral music. Singers will participate in 5-8 performances per year. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.	<b>MU611</b>
<b>Jazz Band</b> Grades: 09 - 12 First Semester of: MU 86 Jazz Band Difficulty: High 1 or 2 Sem. – 1/2 or 1 Fine Arts/Elective Credit Prerequisites: Teacher recommendation/audition Jazz Band is a performance-oriented class which provides opportunities for the study of improvisation and music in jazz styles. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.	<b>MU861</b>	<b>Proficient Tenor/Bass Choir</b> Grades: 09 - 12 Replacing MU712 Men's Chorus beginning 2021 school year Difficulty: Beginning-Average 2 Sem. – 1 Fine Arts/Elective Credit Prerequisites: Teacher recommendation/audition Beginning male singers may enroll in Men's Chorus. Students will learn music reading/notation/listening skills, explore music history and appropriate vocal technique through the performance of various genres of choral music. Singers will participate in 5-8 performances per year. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.	<b>MU612</b>
<b>Jazz Band</b> Grades: 09 - 12 Second Semester of: MU 86 Jazz Band Difficulty: High 1 or 2 Sem. – 1/2 or 1 Fine Arts/Elective Credit Prerequisites: Teacher recommendation/audition Jazz Band is a performance-oriented class which provides opportunities for the study of improvisation and music in jazz styles. This ensemble will prepare and perform concerts each semester, some of which may be other than during school hours. Special concert attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.	<b>MU862</b>	<b>Proficient Treble Choir</b> Grades: 09 - 12 Replacing MU72 Women's Choir beginning 2021 school year Difficulty: Beginning-Average 2 Sem. – 1 Fine Arts/Elective Credit Prerequisites: Teacher recommendation/audition Beginning female singers may enroll in Women's Chorus. Students will learn music reading/notation/listening skills, explore music history and appropriate vocal technique through the performance of various genres of choral music. Singers will participate in 5-8 performances per year. Special attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.	<b>MU681</b>



# Mountain View High Course Catalog

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## Proficient Treble Choir

Grades: 09 - 12

Replacing MU72 Women's Choir beginning 2021 school year  
Difficulty: Beginning-Average 2 Sem. – 1 Fine Arts/Elective Credit  
Prerequisites: Teacher recommendation/audition  
Beginning female singers may enroll in Women's Chorus. Students will learn music reading/notation/listening skills, explore music history and appropriate vocal technique through the performance of various genres of choral music. Singers will participate in 5-8 performances per year. Special attire may be worn. Placement is by teacher recommendation/audition. NOTE: Course fee required.

MU682

## AA Interscholastic Athletics (Badminton) PE50BN1

Grades: 09 - 12

Badminton  
Semester 1  
PE 50 AA Interscholastic Athletics (Sports)  
Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit  
Prerequisites: Approval of Head Coach  
An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## Stagecraft

Grades: 09 - 12

First Semester of:  
PA 89 Stagecraft  
Difficulty: Average 2 Sem. – 1 Fine Arts/Elective Credit  
Prerequisites: Theatrical Arts I, which may be taken concurrently with Stagecraft, and teacher approval.  
Designed to introduce and acquaint students with technical aspects of the theatre including lighting, sound, scenic design and construction. Course members will constitute the auditorium stage crew. Late afternoon and night work involved. WHS - Stage crew will be selected from the stagecraft class by the instructor.

PA891

## AA Interscholastic Athletics (Baseball) PE50BL1

Grades: 09 - 12

Baseball  
Semester 1  
PE 50 AA Interscholastic Athletics (Sports)  
Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit  
Prerequisites: Approval of Head Coach  
An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## Stagecraft

Grades: 09 - 12

Second Semester of:  
PA 89 Stagecraft  
Difficulty: Average 2 Sem. – 1 Fine Arts/Elective Credit  
Prerequisites: Theatrical Arts I, which may be taken concurrently with Stagecraft, and teacher approval.  
Designed to introduce and acquaint students with technical aspects of the theatre including lighting, sound, scenic design and construction. Course members will constitute the auditorium stage crew. Late afternoon and night work involved. WHS - Stage crew will be selected from the stagecraft class by the instructor.

PA892

## AA Interscholastic Athletics (Baseball) PE50BL2

Grades: 09 - 12

Baseball  
Semester 2  
PE 50 AA Interscholastic Athletics (Sports)  
Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit  
Prerequisites: Approval of Head Coach  
An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## Survey of Western Music

Grades: 10 - 12

Change of course from Concert Band to Survey of Western Music 2019-2020  
MU 64 Survey of Western Music 1 Sem. – 1/2 Fine Arts/Elective Credit  
MU 64 is a non-performance class, which introduces students to Western music from the medieval times through the modern period. Recognition of stylistic traits in Western music and their relationship to the appropriate historical period is emphasized.  
NOTE: Students who are enrolled in the Conservatory Program at Mountain View High School will receive priority enrollment in this course.

MU64

## AA Interscholastic Athletics (Boys Basketball) PE50BB1

Grades: 09 - 12

Boys Basketball  
Semester 1  
PE 50 AA Interscholastic Athletics (Sports)  
Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit  
Prerequisites: Approval of Head Coach  
An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## Theatrical Arts I

Grades: 09 - 12

PA 90 Theatrical Arts I  
Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit  
(May be taken concurrently with Stagecraft.) Introductory course to the theatre. Through pantomime, improvisation and short scenes, students gain an understanding of how to create believable characters and expressive bodies in productions.

PA90

## AA Interscholastic Athletics (Boys Basketball) PE50BB2

Grades: 09 - 12

Boys Basketball  
Semester 2  
PE 50 AA Interscholastic Athletics (Sports)  
Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit  
Prerequisites: Approval of Head Coach  
An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## Theatrical Arts II

Grades: 09 - 12

PA 91 Theatrical Arts II  
Difficulty: Average 1 Sem. – 1/2 Fine Arts Credit  
Prerequisites: PA 90  
Through the study of scenes from plays, students are trained in all aspects of theatrical presentation. Participants act, direct, design set, do make-up, design costumes and may present public performances.

PA91

## AA Interscholastic Athletics (Boys Golf) PE50BG1

Grades: 09 - 12

Boys Golf  
Semester 1  
PE 50 AA Interscholastic Athletics (Sports)  
Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit  
Prerequisites: Approval of Head Coach  
An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## AA Interscholastic Athletics (Boys Golf) PE50BG2

Grades: 09 - 12

Boys Golf  
Semester 2  
PE 50 AA Interscholastic Athletics (Sports)  
Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit  
Prerequisites: Approval of Head Coach  
An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.



# Mountain View High Course Catalog

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## **AA Interscholastic Athletics (Boys Soccer) PE50BS1**

Grades: 09 - 12

Boys Soccer  
Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Boys Soccer) PE50BS2**

Grades: 09 - 12

Boys Soccer  
Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Boys Tennis) PE50TB2**

Grades: 09 - 12

Boys Tennis  
Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Boys Track) PE50BT2**

Grades: 09 - 12

Boys Track  
Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Boys Volley) PE50BV2**

Grades: 09 - 12

Boys Volleyball  
Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Cross Coun) PE50CC1**

Grades: 09 - 12

Cross Country  
Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Football) PE50FB1**

Grades: 09 - 12

Football  
Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Football) PE50FB2**

Grades: 09 - 12

Football  
Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Girls Basket) PE50GB1**

Grades: 09 - 12

Girls Basketball  
Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Girls Basket) PE50GB2**

Grades: 09 - 12

Girls Basketball  
Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Girls Beach) PE50GBV**

Grades: 09 - 12

Girls Beach Volleyball- New course 2019-2020

## **AA Interscholastic Athletics (Girls Golf) PE50GG1**

Grades: 09 - 12

Girls Golf  
Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Girls Soccer) PE50GS1**

Grades: 09 - 12

Girls Soccer  
Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Girls Soccer) PE50GS2**

Grades: 09 - 12

Girls Soccer  
Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.



## **AA Interscholastic Athletics (Girls Tennis) PE50TG2**

Grades: 09 - 12

Girls Tennis

Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Girls Track) PE50GT2**

Grades: 09 - 12

Girls Track

Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Girls Volley) PE50GV1**

Grades: 09 - 12

Girls Volleyball

Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Softball) PE50SB2**

Grades: 09 - 12

Softball

Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Swim/Dive) PE50SD1**

Grades: 09 - 12

Swim/Dive

Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Wrestling) PE50WR1**

Grades: 09 - 12

Wrestling

Semester 1

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **AA Interscholastic Athletics (Wrestling) PE50WR2**

Grades: 09 - 12

Wrestling

Semester 2

PE 50 AA Interscholastic Athletics (Sports)

Difficulty: Average-High 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Approval of Head Coach

An interscholastic sports program available for those students with a higher skill level and a greater desire for competitive activity.

## **Advanced Weight Training PE78**

Grades: 09 - 12

PE 78 Advanced Weight Training

Difficulty: Individualized 1 Sem. – 1/2 PE/Elective Credit

Prerequisites: "A" or "B" in PE 76

Advanced weight training and conditioning for the student or athlete desiring an intensified and structured weight training program with emphasis on various exercises accentuating strength and flexibility. Approved general physical education activities may also be included.

## **Co-Ed Recreational Education PE35**

Grades: 09 - 12

PE 35 Co-Ed Recreational Education

Difficulty: Average 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

A co-educational course planned for students with high interest in leisure time activities. Includes activities with carry-over benefit for adult living, such as tennis, volleyball, badminton, ping pong, etc. Appropriate dress is required for each activity.

## **Complete Fitness/Aerobics PE53**

Grades: 09 - 12

PE 53 Complete Fitness/Aerobics

Difficulty: Average 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Alternating days of aerobics activities and weight training.

Aerobics is designed to strengthen the cardiovascular system, tone specific areas of the body and train students in the knowledge and skills of aerobics. The weight training section involves a combination of circuit training, body sculpting, lifting weights.

## **P.E. Activities PE47**

Grades: 09 - 12

PE 47 P.E. Activities

Difficulty: Average 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Includes a wide variety of activities for various interest levels. Activities include: team sports, individual sports, aerobic activity which are all designed to promote and increase lifetime physical fitness.

## **Racquet Sports PE56**

Grades: 09 - 12

PE 56 Racquet Sports

Difficulty: Varied 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit

Prerequisites: Some experience

The racquet sports class is a co-educational course planned for students with a high level of interest and skill in racquet sports. Course offerings include tournament activity and skill training in racquetball, tennis and badminton.

## **Recreational Basketball PE37**

Grades: 09 - 12

PE 37 Recreational Basketball

Difficulty: Average 1 Sem. – 1/2 PE/Elective Credit

For students who are not involved in interscholastic high school basketball. Includes these basketball activities: team play, offense and defense fundamentals, drill and games, and officiating.

## **Team Sports PE58**

Grades: 09 - 12

PE 58 Team Sports

Difficulty: Varied 1 Sem. – 1/2 PE/Elective Credit

Prerequisites: Some experience

The team sports class is a course planned for students with a high level of interest and skill in team sports. Course offerings include softball, volleyball, soccer, flag football, and basketball. The health-related physical fitness test is administered twice each semester. This is not AIA competitive.



# Mountain View High Course Catalog

Year: 2022-2023

Report: CRS201

<b>Unified PE</b> Grades: 09 - 12 New course 2019-2020 Course Title: PE 48 Unified P.E. 1 or 2 Sem. - ½ PE/Elective Credit This course will provide opportunities for students with mental or physical disabilities to be partnered with general education students in a daily physical education class. This co-ed class matches boys and girls across grade levels to benefit all students involved	<b>PE481</b>	<b>AP Chemistry</b> Grades: 10 - 12 *SC 77 AP Chemistry Difficulty: High 2 Sem. – 1 Science Credit Prerequisites: 1 yr Chemistry & Algebra A very rigorous lab-oriented course which covers the major topics presented in a freshman college-level course. A second year course in chemistry intended for those students who are interested in a career in the sciences. Students will take an AP exam in May. See your school counselor if you have a financial hardship. Physical Science NOTE: This is a weighted course.	<b>SC771W</b>
<b>Unified PE</b> Grades: 09 - 12 new course 2019-2020 Course Title: PE 48 Unified P.E. 1 or 2 Sem. - ½ PE/Elective Credit This course will provide opportunities for students with mental or physical disabilities to be partnered with general education students in a daily physical education class. This co-ed class matches boys and girls across grade levels to benefit all students involved	<b>PE482</b>	<b>AP Chemistry</b> Grades: 10 - 12	<b>SC772W</b>
<b>Weight Training</b> Grades: 09 - 12 PE 76 Weight Training Difficulty: Individualized 1 Sem. – 1/2 PE/Elective Credit Weight training and conditioning for the student or athlete desiring an intensified and structured weight training program with emphasis on various exercises accentuating strength and flexibility. Approved general physical education activities may also be included.	<b>PE76</b>	<b>AP Environmental Science</b> Grades: 11 - 12 SC 52 AP Environmental Science Difficulty: High 2 Sem. – 1 Science Credit Grades 11-12 Prerequisites: one year of life science and one year of physical science The goal is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will take an AP exam in May. See your school counselor if you have a financial hardship. Life/Physical Science NOTE: This is a weighted course.	<b>SC521W</b>
<b>Wellness and Nutrition</b> Grades: 09 - 12 PE 87 Wellness and Nutrition Difficulty: Average 1 or 2 Sem. – 1/2 or 1 PE/Elective Credit The student will learn about mental, physical and social wellness. Wellness describes a lifestyle in which the physical, social, intellectual, psychological and environmental components of health are integrated.	<b>PE87</b>	<b>AP Environmental Science</b> Grades: 11 - 12 SC 52 AP Environmental Science Difficulty: High 2 Sem. – 1 Science Credit Grades 11-12 Prerequisites: one year of life science and one year of physical science The goal is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Students will take an AP exam in May. See your school counselor if you have a financial hardship. Life/Physical Science NOTE: This is a weighted course.	<b>SC522W</b>
<b>AP Biology</b> Grades: 10 - 12 *SC 46 AP Biology Difficulty: High 2 Sem. – 1 Science/Elective Credit Prerequisites: SC 49 and SC 71 or SC 81 A very rigorous lab-oriented course which will cover the major topics covered in a freshman college-level course. The class has a high level of difficulty and the student should be prepared to put a considerable amount of time into the course. This course includes topics of human reproduction and evolution. This course may include dissection. Students will take an AP exam in May. See your school counselor if you have a financial hardship. Life Science NOTE: This is a weighted course. Course fee required.	<b>SC461W</b>	<b>AP Physics I</b> Grades: 11 - 12 *SC 79 AP Physics I Difficulty: High 2 Sem. – 1 Science/Elective Credit Prerequisites: MA40 Algebra II (may be taken concurrently) A very rigorous, fast-paced course patterned after the first semester General Physics courses at ASU and the Maricopa Community Colleges. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.	<b>SC791W</b>
<b>AP Biology</b> Grades: 10 - 12 *SC 46 AP Biology Difficulty: High 2 Sem. – 1 Science/Elective Credit Prerequisites: SC 49 and SC 71 or SC 81 A very rigorous lab-oriented course which will cover the major topics covered in a freshman college-level course. The class has a high level of difficulty and the student should be prepared to put a considerable amount of time into the course. This course includes topics of human reproduction and evolution. This course may include dissection. Students will take an AP exam in May. See your school counselor if you have a financial hardship. Life Science NOTE: This is a weighted course. Course fee required.	<b>SC462W</b>		



**AP Physics I**

**SC792W**

Grades: 11 - 12

\*SC 79 AP Physics I

Difficulty: High 2 Sem. – 1 Science/Elective Credit

Prerequisites: MA40 Algebra II (may be taken concurrently)

A very rigorous, fast-paced course patterned after the first semester General Physics courses at ASU and the Maricopa Community Colleges. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**AP Physics II**

**SC801W**

Grades: 11 - 12

\*SC 80 AP Physics II

Difficulty: High 2 Sem. – 1 Science/Elective Credit

Prerequisite SC 79 AP Physics 1 & co-enrollment in MA45 Pre-Calculus or above

A very rigorous, fast-paced course patterned after the second semester General Physics courses at ASU and the Maricopa Community Colleges. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**AP Physics II**

**SC802W**

Grades: 11 - 12

\*SC 80 AP Physics II

Difficulty: High 2 Sem. – 1 Science/Elective Credit

Prerequisite SC 79 AP Physics 1 & co-enrollment in MA45 Pre-Calculus or above

A very rigorous, fast-paced course patterned after the second semester General Physics courses at ASU and the Maricopa Community Colleges. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

**Biology**

**SC491**

Grades: 09 - 12

First Semester of:

\*SC 49 Biology

Difficulty: Average 2 Sem. – 1 Science Credit

Prerequisite: See page 9 of course catalog \*

This course of study is designed to cover major areas of cell structure, function and processes, genetics, classification, and ecology.

This course includes the topics of human reproduction and evolution.

NOTE: This course may include dissection, biotechnology concepts and research techniques. Life Science

**Biology**

**SC492**

Grades: 09 - 12

Second Semester of:

\*SC 49 Biology

Difficulty: Average 2 Sem. – 1 Science Credit

Prerequisite: See page 9 of course catalog \*

This course of study is designed to cover major areas of cell structure, function and processes, genetics, classification, and ecology.

This course includes the topics of human reproduction and evolution.

NOTE: This course may include dissection, biotechnology concepts and research techniques. Life Science

**Chemistry**

**SC711**

Grades: 09 - 12

First Semester of:

\*SC 71 Chemistry

Difficulty: Average 2 Sem. – 1 Science Credit

Prerequisites: MA 27

This course includes the study of the atom, atomic energy, the formation of molecules, the mathematics of chemistry, and related experimental work. The vocabulary of the chemist is emphasized as are correct laboratory procedures and techniques. Physical Science

**Chemistry**

**SC712**

Grades: 09 - 12

Second Semester of:

\*SC 71 Chemistry

Difficulty: Average 2 Sem. – 1 Science Credit

Prerequisites: MA 27

This course includes the study of the atom, atomic energy, the formation of molecules, the mathematics of chemistry, and related experimental work. The vocabulary of the chemist is emphasized as are correct laboratory procedures and techniques. Physical Science

**Earth and Space Science**

**SC331**

Grades: 10 - 12

First Semester of:

\*SC 33 Earth and Space Science

Difficulty: Average 2 Sem. – 1 Science Credit

Earth and Space Science is a lab course which explores forces and processes that operate in the universe. Major areas of study will include astronomy, geology, hydrology, meteorology, and environmental issues. Physical Science

**Earth and Space Science**

**SC332**

Grades: 10 - 12

Second Semester of:

\*SC 33 Earth and Space Science

Difficulty: Average 2 Sem. – 1 Science Credit

Earth and Space Science is a lab course which explores forces and processes that operate in the universe. Major areas of study will include astronomy, geology, hydrology, meteorology, and environmental issues. Physical Science

**Environmental Science**

**SC501**

Grades: 10 - 12

First Semester of:

\*SC 50 Environmental Science

Difficulty: Average 2 Sem. – 1 Science Credit

This course offers a comprehensive overview of environmental issues.

The emphasis will be on: population studies, natural resources, pollution, and current environmental topics. Life/Physical Science

**Environmental Science**

**SC502**

Grades: 10 - 12

Second Semester of:

\*SC 50 Environmental Science

Difficulty: Average 2 Sem. – 1 Science Credit

This course offers a comprehensive overview of environmental issues.

The emphasis will be on: population studies, natural resources, pollution, and current environmental topics. Life/Physical Science



**Honors Biology**

Grades: 09 - 12

SC45W Honors Biology

Difficulty: High 2 Sem. 1 Science Credit

Prerequisites: SC20, MA30 (taken concurrently)

This course is designed as an in-depth study of the principles of the living world. Coursework will provide students with an understanding of the complexity, diversity and interconnectedness of life on earth. Students will explore cellular and molecular biology, genetics and genetic technology, evolution, and ecosystems in a manner that develops higher-level thinking skills while providing real-world applications. Students will be expected to engage in extensive lab work including an independent research project for presentation in the school science fair. This course includes the topic of human reproduction and may include dissections and biotechnology concepts. NOTE: This is a weighted course

**SC451W**

**Human Anatomy and Physiology**

Grades: 10 - 12

First Semester of:

\*SC 55 Human Anatomy and Physiology

Difficulty: High 2 Sem. 1 Cr.

Prerequisites: 1 year Biology

A rigorous lab-oriented course providing students a better understanding of their bodies and exposure to health care career opportunities. NOTE: This course involves the detailed study of the human reproductive system. This course will include dissection. Life Science.

**SC551**

**Honors Biology**

Grades: 09 - 12

SC45W Honors Biology

Difficulty: High 2 Sem. 1 Science Credit

Prerequisites: SC20, MA30 (taken concurrently)

This course is designed as an in-depth study of the principles of the living world. Coursework will provide students with an understanding of the complexity, diversity and interconnectedness of life on earth. Students will explore cellular and molecular biology, genetics and genetic technology, evolution, and ecosystems in a manner that develops higher-level thinking skills while providing real-world applications. Students will be expected to engage in extensive lab work including an independent research project for presentation in the school science fair. This course includes the topic of human reproduction and may include dissections and biotechnology concepts. NOTE: This is a weighted course

**SC452W**

**Human Anatomy and Physiology**

Grades: 10 - 12

Second Semester of:

\*SC 55 Human Anatomy and Physiology

Difficulty: High 2 Sem. 1 Cr.

Prerequisites: 1 year Biology

A rigorous lab-oriented course providing students a better understanding of their bodies and exposure to health care career opportunities. NOTE: This course involves the detailed study of the human reproductive system. This course will include dissection. Life Science.

**SC552**

**Honors Physical Science**

Grades: 09 - 12

SC 23 Honors Physical Science

2 Sem -1Physical Science Credit

Prerequisite: Algebra I

This course is designed as an in-depth study of the principles of physical science concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, Earth, space and energy. The science and engineering practices are integrated to emphasize an inquiry approach to learning. This course is considered an integrated science course in meeting the General Arizona University Entrance Requirements and in preparation for AP science courses. NOTE: This is a weighted course.

**SC231W**

**Physical Science**

Grades: 09 - 12

Physical Science

2Sem.- 1 Physical Science Credit

Examination of essential physical science concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, Earth, space, and energy. The science and engineering practices are integrated to emphasize an inquiry approach to learning. This course is considered an integrated science course in meeting the General Arizona University Entrance Requirements.

**SC221**

**Physical Science**

Grades: 09 - 12

Physical Science

2Sem.- 1 Physical Science Credit

Examination of essential physical science concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, Earth, space, and energy. The science and engineering practices are integrated to emphasize an inquiry approach to learning. This course is considered an integrated science course in meeting the General Arizona University Entrance Requirements.

**SC222**

**Honors Physical Science**

Grades: 09 - 12

SC 23 Honors Physical Science

2 Sem -1Physical Science Credit

Prerequisite: Algebra I

This course is designed as an in-depth study of the principles of physical science concepts, focusing on their applications in the areas of mechanics, electricity, heat, sound, light, matter, Earth, space and energy. The science and engineering practices are integrated to emphasize an inquiry approach to learning. This course is considered an integrated science course in meeting the General Arizona University Entrance Requirements and in preparation for AP science courses. NOTE: This is a weighted course.

**SC232W**

**Physics**

Grades: 09 - 12

First Semester of:

\*SC 81 Physics

Difficulty: Average 2 Sem. – 1 Science Credit

Prerequisites: Algebra, with Geometry recom.

A laboratory course designed to explore the fields of mechanics, heat, light, sound, electricity, magnetism and nuclear energy. Emphasis is placed on the practical application of the principles involved in the above fields. Physical Science

**SC811**



# Mountain View High Course Catalog

Year: 2022-2023  
Report: CRS201

<b>Physics</b> Grades: 08 - 12 Second Semester of: *SC 81 Physics Difficulty: Average 2 Sem. – 1 Science Credit Prerequisites: Algebra, with Geometry recom. A laboratory course designed to explore the fields of mechanics, heat, light, sound, electricity, magnetism and nuclear energy. Emphasis is placed on the practical application of the principles involved in the above fields. Physical Science	<b>SC812</b>	<b>AP Comparative Government and Politics</b> Grades: 10 - 12 *SS 56 AP Comparative Government and Politics Difficulty: High 2 Sem. – 1 Elective Credit Prerequisite: Teacher approval This course will provide students the conceptual tools to develop an understanding of some of the world's diverse political structures and practices. The course will encompass the study of six specific countries and their governments as well as general concepts used to interpret the political relationships and institutions found in virtually all national politics. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.	<b>SS562W</b>
<b>American Government</b> Grades: 10 - 12 *SS 51 American Government Difficulty: Average 1 Sem. – 1/2 Social Studies Credit Prerequisites: 1 year of American History The fundamentals of government on the national, state and local levels will be examined, including the three branches of government, rights and responsibilities of American citizenship, and the development and role of political parties. NOTE: This course meets the graduation requirement for Government.	<b>SS51</b>	<b>AP Human Geography</b> Grades: 09 - 12 *SS 67 AP Human Geography Difficulty : High 2 Sem. – 1 Elective Credit Introduces student to cultural geography through an examination of world, national and local regions with a focus on cultures, population trends and issues, patterns of rural and urban land use, growth and development of cities, and economic development issues. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.	<b>SS671W</b>
<b>American History</b> Grades: 09 - 12 Course Description/Title changed beginning with the 15-16 school year. First Semester of: *SS 35 American History 2 Sem. – 1 Social Studies Credit This course examines the history of the United States beginning with Pre-Columbian Native cultures of North America continent through contemporary issues affecting the United States today. NOTE: This course meets the high school graduation requirement for American/Arizona History. SS35S: Course may be taken only upon teacher approval. Course content and pace of instruction will be differentiated to meet the specialized needs of the student.	<b>SS351</b>	<b>AP Human Geography</b> Grades: 09 - 12 *SS 67 AP Human Geography Difficulty : High 2 Sem. – 1 Elective Credit Introduces student to cultural geography through an examination of world, national and local regions with a focus on cultures, population trends and issues, patterns of rural and urban land use, growth and development of cities, and economic development issues. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.	<b>SS672W</b>
<b>American History</b> Grades: 09 - 12 Course Description/Title changed beginning with the 15-16 school year. Second Semester of: *SS 35 American History Difficulty: Average 2 Sem. – 1 Social Studies Credit This course examines the history of the United States beginning with Pre-Columbian Native cultures of North America continent through contemporary issues affecting the United States today. NOTE: This course meets the high school graduation requirement for American/Arizona History. SS35S: Course may be taken only upon teacher approval. Course content and pace of instruction will be differentiated to meet the specialized needs of the student.	<b>SS352</b>	<b>AP Psychology</b> Grades: 10 - 12 *SS 79 AP Psychology Difficulty: High 2 Sem. – 1 Elective Credit The purpose of the Advanced Placement Psychology course is to introduce students to the systematic and scientific study of the behavior and mental processes of humans and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their scientific research and practice. Students should be prepared to complete work equivalent to what they would encounter in an introductory college course in psychology. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.	<b>SS791W</b>
<b>AP Comparative Government And Politic:</b> Grades: 10 - 12 *SS 56 AP Comparative Government and Politics Difficulty: High 2 Sem. – 1 Elective Credit Prerequisite: Teacher approval This course will provide students the conceptual tools to develop an understanding of some of the world's diverse political structures and practices. The course will encompass the study of six specific countries and their governments as well as general concepts used to interpret the political relationships and institutions found in virtually all national politics. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.	<b>SS561W</b>	<b>AP Psychology</b> Grades: 10 - 12 *SS 79 AP Psychology Difficulty: High 2 Sem. – 1 Elective Credit The purpose of the Advanced Placement Psychology course is to introduce students to the systematic and scientific study of the behavior and mental processes of humans and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the methods psychologists use in their scientific research and practice. Students should be prepared to complete work equivalent to what they would encounter in an introductory college course in psychology. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.	<b>SS792W</b>



# Mountain View High Course Catalog

Year: 2022-2023  
Report: CRS201

## AP U.S. Govt & AP Macroeconomics

SS551W

Grades: 10 - 12

New course beginning 16-17 school year  
SS55 AP U.S. Govt & AP Macroeconomics  
Difficulty: High 2 Sem. - 1 Social Studies Credit/Govt/Econ  
Prerequisites: 1 Yr American History  
This course provides an analytical perspective on government and politics in the United States and a thorough understanding of the principles of economics that apply to the economic system as a whole. It involves the study of general concepts used to interpret U.S. politics, as well as, places particular emphasis on the study of national income, price level determination and develops student's familiarity with economic performance measures, economic growth and international economics. Students will take the AP exam for Government and the AP exam for Macroeconomics in May. See your school academic advisor if you have financial hardship. NOTE: This course meets the high school graduation requirements for Government and Economics. NOTE: This is a weighted course.

## AP U.S. Govt & AP Macroeconomics

SS552W

Grades: 10 - 12

New course beginning 16-17 school year  
SS55 AP U.S. Govt & AP Macroeconomics  
Difficulty: High 2 Sem. - 1 Social Studies Credit/Govt/Econ  
Prerequisites: 1 Yr American History  
This course provides an analytical perspective on government and politics in the United States and a thorough understanding of the principles of economics that apply to the economic system as a whole. It involves the study of general concepts used to interpret U.S. politics, as well as, places particular emphasis on the study of national income, price level determination and develops student's familiarity with economic performance measures, economic growth and international economics. Students will take the AP exam for Government and the AP exam for Macroeconomics in May. See your school academic advisor if you have financial hardship. NOTE: This course meets the high school graduation requirements for Government and Economics. NOTE: This is a weighted course.

## AP United States Government & Politics

SS521W

Grades: 10 - 12

\*SS 52 AP United States Government and Politics  
Difficulty: High 2 Sem. - 1 Social Studies Credit  
Prerequisites: 1 year American History  
This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This course meets the high school graduation requirements for Government and Economics. NOTE: This is a weighted course.

## AP United States Government & Politics

SS522W

Grades: 10 - 12

\*SS 52 AP United States Government and Politics  
Difficulty: High 2 Sem. - 1 Social Studies Credit  
Prerequisites: 1 year American History  
This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This course meets the high school graduation requirements for Government and Economics. NOTE: This is a weighted course.

## AP US History

Grades: 10 - 12

\*\*SS 39 AP United States History  
Difficulty: High 2 Sem. - 1 Social Studies Credit  
This course is designed to replicate a college-level introductory United States History Survey Course. It will focus on preparing the students to critically analyze both primary and secondary sources, develop a thesis, and support it with concrete historical evidence and stress the understanding of key components contained in America's past. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This course meets graduation requirements for American/Arizona History. NOTE: This is a weighted course.

## AP US History

Grades: 10 - 12

\*\*SS 39 AP United States History  
Difficulty: High 2 Sem. - 1 Social Studies Credit  
This course is designed to replicate a college-level introductory United States History Survey Course. It will focus on preparing the students to critically analyze both primary and secondary sources, develop a thesis, and support it with concrete historical evidence and stress the understanding of key components contained in America's past. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This course meets graduation requirements for American/Arizona History. NOTE: This is a weighted course.

## Defining America

Grades: 10

SS60 Defining America  
First Semester of:  
Difficulty- Average 2 Semesters: 1 Elective Credit  
Grade: 10  
Prerequisite: None  
In 1776, the United States was formed based on the premise that "all men are created equal." This course will analyze the path American History has taken in an effort to make that premise a reality. Students will participate in an in depth study of the three eras emphasizing primary sources and hands on activities.

SS601

## Defining America

Grades: 10

SS60 Defining America  
Second Semester of:  
Difficulty- Average 2 Semesters: 1 Elective Credit  
Grade: 10  
Prerequisite: None  
In 1776, the United States was formed based on the premise that "all men are created equal." This course will analyze the path American History has taken in an effort to make that premise a reality. Students will participate in an in depth study of the three eras emphasizing primary sources and hands on activities.

SS602

## Economics Principles and Practices

Grades: 10 - 12

\*SS 57 Principles and Practices of Economics  
Difficulty: Average 1 Sem. - 1/2 Social Studies Credit  
Prerequisite: 1 year of American History  
Familiarizes the student with basic principles of economics, with an emphasis on capitalism and resource allocation. Included are the principles of financial management and career planning. Close attention is given to micro and macro economic applications. NOTE: This course meets the high school graduation requirement for Economics.

SS57



<b>Honors World History/Geography</b> Grades: 09 - 12 *SS 28 Honors World History/Geography 2 Sem. – 1 Social Studies Credit A rigorous course designed for advanced students who would like to combine writing skills with the study of World History and the humanities. This course uses an interrelated chronological approach, and prepares students for college prep courses. The curriculum traces the development of civilizations from early prehistoric people to the present and includes the teaching of geographic concepts. NOTE: This course meets the high school graduation requirement for World History. NOTE: This is a weighted course.	<b>SS281W</b>	<b>World History/Geography</b> Grades: 09 - 12 Course Activated beginning with the 15-16 school year World History/Geography 2 Sem. 1 Social Studies Credit The course traces the development of civilizations from early prehistoric people to the present and includes the teaching of geographic concepts. NOTE: This course meets the high school graduation requirement for World History. SS22S: Course may be taken only upon teacher approval. course content and pace of instruction will be differentiated to meet the specialized needs of the student.	<b>SS221</b>
<b>Honors World History/Geography</b> Grades: 09 - 12 *SS 28 Honors World History/Geography 2 Sem. – 1 Social Studies Credit A rigorous course designed for advanced students who would like to combine writing skills with the study of World History and the humanities. This course uses an interrelated chronological approach, and prepares students for college prep courses. The curriculum traces the development of civilizations from early prehistoric people to the present and includes the teaching of geographic concepts. NOTE: This course meets the high school graduation requirement for World History. NOTE: This is a weighted course.	<b>SS282W</b>	<b>World History/Geography</b> Grades: 09 - 12 Course Activated beginning with the 15-16 school year  World History/Geography 2 Sem. 1 Social Studies Credit The course traces the development of civilizations from early prehistoric people to the present and includes the teaching of geographic concepts. NOTE: This course meets the high school graduation requirement for World History. SS22S: Course may be taken only upon teacher approval. course content and pace of instruction will be differentiated to meet the specialized needs of the student.	<b>SS222</b>
<b>Psychology I</b> Grades: 09 - 12 *SS 76 Psychology I Difficulty: Average 1 Sem. – 1/2 Elective Credit The purpose of Psychology I is to develop a curiosity about and appreciation of the extent to which scientific methods can be applied toward understanding human behavior. The course includes a basic introduction to what psychology is, its relationship to learning, personal and social adjustments of the brain and behavior, and behavioral disorders and treatments.	<b>SS76</b>	<b>Driver Education</b> Grades: 09 - 12 First Semester of: TS 32 Driver Education Difficulty: Average 1 Sem. – 1/2 Elective Credit Grades: 10-12 Fees: Fee is paid through the school bookstore for optional behind the wheel training Driver Education is a one-semester course aimed at the development of the knowledge, skills and attitude necessary for performing as a competent vehicle operator and highway user. It is a multi-phase program consisting of classroom instruction, simulator instruction and on-street instruction. The on-street instruction is conducted before and after school, on week-ends and vacation days. The course is open to all students who will be 15 years and six months or older by November 1st for the first semester, and April 1st for the second semester. (Normally 10th grade). The completion of this course, including the optional on-the-street instruction, may qualify the student for an insurance premium reduction. The student must earn a "C" or better in all phases to receive the Certificate of Completion Card upon completion of the course. As all Mesa high schools' Traffic Safety programs are State Approved, the course qualifies as one of the methods for the students to obtain their Drivers License under the State's Graduated License program. Also, the fee paid for Behind-the-Wheel qualifies for the extra -curricular State tax credit (ECA).	<b>TS321</b>
<b>Psychology II</b> Grades: 09 - 12 *SS 77 Psychology II Difficulty: Average 1 Sem. – 1/2 Elective Credit Prerequisites: SS 76 The purpose of the Psychology II course is to expand upon basic concepts introduced in Psychology I and continue the exploration of human behavior in the areas of psychology, developing a healthy personality, human development and social psychology. Students will explore issues related to child and adolescent psychology, states of consciousness, the brain and behavior, psychology of aging, and stereotyping and prejudice.	<b>SS77</b>		
<b>Sociology</b> Grades: 09 - 12 *SS 78 Sociology Difficulty: Average 1 Sem. – 1/2 Elective Credit Offers materials essential to understanding ourselves and the complexities of today's society. Includes understanding basic social units, social institutions, social norms and social changes, each of which are relevant in our present society. The study of sociology requires that students and teachers alike study various aspects of society from a non-biased point of view.	<b>SS78</b>		



<b>Driver Education</b> Grades: 09 - 12 Second Semester of: TS 32 Driver Education Difficulty: Average 1 Sem. – 1/2 Elective Credit Grades: 10-12 Fees: Fee is paid through the school bookstore for optional behind the wheel training Driver Education is a one-semester course aimed at the development of the knowledge, skills and attitude necessary for performing as a competent vehicle operator and highway user. It is a multi-phase program consisting of classroom instruction, simulator instruction and on-street instruction. The on-street instruction is conducted before and after school, on week-ends and vacation days. The course is open to all students who will be 15 years and six months or older by November 1st for the first semester, and April 1st for the second semester. (Normally 10th grade). The completion of this course, including the optional on-the-street instruction, may qualify the student for an insurance premium reduction. The student must earn a "C" or better in all phases to receive the Certificate of Completion Card upon completion of the course. As all Mesa high schools' Traffic Safety programs are State Approved, the course qualifies as one of the methods for the students to obtain their Drivers License under the State's Graduated License program. Also, the fee paid for Behind-the-Wheel qualifies for the extra -curricular State tax credit (ECA).	<b>TS322</b>	<b>American Sign Lang III</b> Grades: 11 - 12 New course beginning 16-17 school year WL28 American Sign Language III Difficulty: Average - High 2 Sem. - 1 WL Credit  This course is designed to provide students with the opportunity to demonstrate better comprehension and expression in American Sign. Advances study of vocabulary, idioms, classifiers, use of space, and grammatical features of American Sign will be included. Students will engage in conversations with native signers, as well as participate in an in-depth study of the Deaf culture. NOTE: This is a weighted course.	<b>WL281W</b>
<b>American Sign Lang I</b> Grades: 09 - 12 First Semester of: *WL 18 American Sign Language I Difficulty: Average-High 2 Sem. – 1 WL Credit Students are introduced to basic sign language vocabulary with emphasis on developing fluency in expressive and receptive signing and finger spelling. The study of Deaf culture is included.	<b>WL181</b>	<b>American Sign Lang III</b> Grades: 11 - 12 New course beginning 16-17 school year WL28 American Sign Language III Difficulty: Average - High 2 Sem. - 1 WL Credit  This course is designed to provide students with the opportunity to demonstrate better comprehension and expression in American Sign. Advances study of vocabulary, idioms, classifiers, use of space, and grammatical features of American Sign will be included. Students will engage in conversations with native signers, as well as participate in an in-depth study of the Deaf culture. NOTE: This is a weighted course.	<b>WL282W</b>
<b>American Sign Lang I</b> Grades: 09 - 12 Second Semster of: *WL 18 American Sign Language I Difficulty: Average-High 2 Sem. – 1 WL Credit Students are introduced to basic sign language vocabulary with emphasis on developing fluency in expressive and receptive signing and finger spelling. The study of Deaf culture is included.	<b>WL182</b>	<b>AP French Language &amp; Culture</b> Grades: 10 - 12 WL45 AP French Language and Culture Difficulty: Average-High 2 Sem. – 1 WL Credit Prerequisites: WL Level III Expanded language skills are developed, with emphasis on conversation, discussion, and production of compositions. Appropriate readings are drawn from a variety of literary sources. Skills necessary to take the Advanced Placement language test are emphasized. Appropriate cultural components are studied. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: These are weighted courses.	<b>WL451W</b>
<b>American Sign Lang II</b> Grades: 10 - 12 First Semester of: *WL 19 American Sign Language II Difficulty: Average-High 2 Sem. – 1 WL Credit Designed for students with continuing interest in Deafness and ASL. Emphasis is on fluent expressive signing and confident reception of signs. ASL grammatical structures and idioms are used. Vocational options in the area of Deafness are presented.	<b>WL191</b>	<b>AP French Language &amp; Culture</b> Grades: 10 - 12  <b>AP German Language &amp; Culture</b> Grades: 10 - 12 WL35 AP German Language and Culture Difficulty: Average-High 2 Sem. – 1 WL Credit Prerequisites: WL Level III Expanded language skills are developed, with emphasis on conversation, discussion, and production of compositions. Appropriate readings are drawn from a variety of literary sources. Skills necessary to take the Advanced Placement language test are emphasized. Appropriate cultural components are studied. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: These are weighted courses.	<b>WL452W</b>
<b>American Sign Lang II</b> Grades: 10 - 12 Second Semester of: *WL 19 American Sign Language II Difficulty: Average-High 2 Sem. – 1 WL Credit Designed for students with continuing interest in Deafness and ASL. Emphasis is on fluent expressive signing and confident reception of signs. ASL grammatical structures and idioms are used. Vocational options in the area of Deafness are presented.	<b>WL192</b>	<b>AP German Language &amp; Culture</b> Grades: 10 - 12 WL35 AP German Language and Culture Difficulty: Average-High 2 Sem. – 1 WL Credit Prerequisites: WL Level III Expanded language skills are developed, with emphasis on conversation, discussion, and production of compositions. Appropriate readings are drawn from a variety of literary sources. Skills necessary to take the Advanced Placement language test are emphasized. Appropriate cultural components are studied. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: These are weighted courses.	<b>WL352W</b>
<b>American Sign Lang II</b> Grades: 10 - 12 Second Semester of: *WL 19 American Sign Language II Difficulty: Average-High 2 Sem. – 1 WL Credit Designed for students with continuing interest in Deafness and ASL. Emphasis is on fluent expressive signing and confident reception of signs. ASL grammatical structures and idioms are used. Vocational options in the area of Deafness are presented.	<b>WL192</b>	<b>AP German Language and Culture</b> Grades: 10 - 12 WL35 AP German Language and Culture Difficulty: Average-High 2 Sem. – 1 WL Credit Prerequisites: WL Level III Expanded language skills are developed, with emphasis on conversation, discussion, and production of compositions. Appropriate readings are drawn from a variety of literary sources. Skills necessary to take the Advanced Placement language test are emphasized. Appropriate cultural components are studied. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: These are weighted courses.	<b>WL351W</b>



# Mountain View High Course Catalog

Year: 2022-2023  
Report: CRS201

## AP Spanish Language & Culture

WL251W

Grades: 10 - 12

Difficulty: Average-High 2 Sem. — 1 WL Credit  
Prerequisites: WL Level III

Expanded language skills are developed, with emphasis on conversation, discussion, and production of compositions. Appropriate readings are drawn from a variety of literary sources. Skills necessary to take the Advanced Placement language test are emphasized. Appropriate cultural components are studied. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: These are weighted courses.

## AP Spanish Language & Culture

WL252W

Grades: 10 - 12

Difficulty: Average-High 2 Sem. — 1 WL Credit  
Prerequisites: WL Level III

Expanded language skills are developed, with emphasis on conversation, discussion, and production of compositions. Appropriate readings are drawn from a variety of literary sources. Skills necessary to take the Advanced Placement language test are emphasized. Appropriate cultural components are studied. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: These are weighted courses.

## AP Spanish Literature & Culture

WL261W

Grades: 09 - 12

AP Spanish Literature & Culture

\*WL 26 AP Spanish Literature

Difficulty: Average-High 2 Sem. — 1 WL Credit

Grade: 11-12

Prerequisites: WL 24 or 25, WL 81

For the proficient Spanish student, this course is designed to refine linguistic skills integrated with focus on literature and literary analysis. The student will develop the skills necessary to take the AP Exam in Spanish Literature. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

## AP Spanish Literature & Culture

WL262W

Grades: 09 - 12

AP Spanish Literature & Culture

\*WL 26 AP Spanish Literature

Difficulty: Average-High 2 Sem. — 1 WL Credit

Grade: 11-12

Prerequisites: WL 24 or 25, WL 81

For the proficient Spanish student, this course is designed to refine linguistic skills integrated with focus on literature and literary analysis. The student will develop the skills necessary to take the AP Exam in Spanish Literature. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This is a weighted course.

## French I

WL411

Grades: 09 - 12

First Semester of:

WL41 French I

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: Average or above average in English

Introduces students to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares students to begin to read, write, speak and understand the language.

## French I

WL412

Grades: 09 - 12

Second Semester of:

WL41 French I

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: Average or above average in English  
Introduces students to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares students to begin to read, write, speak and understand the language.

## French II

WL421

Grades: 09 - 12

First Semester of:

WL42 French II

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: WL Level I proficient

Features application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied.

## French II

WL422

Grades: 09 - 12

Second Semester of:

WL42 French II

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: WL Level I proficient

Features application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied.

## French III

WL431W

Grades: 09 - 12

WL 43 French III

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: WL Level II

Students develop and demonstrate language skills in more advanced forms of written and oral expression. Appropriate cultural components are studied. NOTE: These are weighted courses.

## French III

WL432W

Grades: 09 - 12

WL 43 French III

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: WL Level II

Students develop and demonstrate language skills in more advanced forms of written and oral expression. Appropriate cultural components are studied. NOTE: These are weighted courses.

## German I

WL311

Grades: 09 - 12

First Semester of:

WL31 German I

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: Average or above average in English

Introduces students to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares students to begin to read, write, speak and understand the language.

## German I

WL312

Grades: 09 - 12

Second Semester of:

WL31 German I

Difficulty: Average-High 2 Sem. — 1 WL Credit

Prerequisites: Average or above average in English

Introduces students to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares students to begin to read, write, speak and understand the language.



# Mountain View High Course Catalog

Year: 2022-2023  
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<b>German II</b> Grades: 09 - 12 First Semester of: WL32 German II Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: WL Level I proficient Features application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied.	<b>WL321</b>	<b>Spanish for Spanish Speakers II</b> Grades: 09 - 12 *WL 82 Spanish for Spanish Speakers II 2 Sem. — 1 Elective/WL Credit Designed for, but not limited to ELL and bilingual Spanish/English students, this literature-based class focuses on cultural and literary themes. The class emphasizes literary analysis and terminology as well as advanced composition skills. WL 82 prepares students for WL 94 or WL 25 Spanish Language. Note: This is a weighted course.	<b>WL822W</b>
<b>German II</b> Grades: 09 - 12 Second Semester of: WL32 German II Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: WL Level I proficient Features application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied.	<b>WL322</b>	<b>Spanish I</b> Grades: 09 - 12 First Semester of: WL21 Spanish I Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: Average or above average in English Introduces students to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares students to begin to read, write, speak and understand the language.	<b>WL211</b>
<b>German III</b> Grades: 09 - 12 WL 33 German III Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: WL Level II proficient Students develop and demonstrate language skills in more advanced forms of written and oral expression. Appropriate cultural components are studied. NOTE: These are weighted courses.	<b>WL331W</b>	<b>Spanish I</b> Grades: 09 - 12 Second Semester of: WL21 Spanish I Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: Average or above average in English Introduces students to the basic vocabulary of the language and components of the culture of the countries in which the language is spoken. Prepares students to begin to read, write, speak and understand the language.	<b>WL212</b>
<b>German III</b> Grades: 09 - 12 WL 33 German III Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: WL Level II proficient Students develop and demonstrate language skills in more advanced forms of written and oral expression. Appropriate cultural components are studied. NOTE: These are weighted courses.	<b>WL332W</b>	<b>Spanish II</b> Grades: 09 - 12 First Semester of: WL22 Spanish II Difficulty: Average - High 2 Sem. 1 Cr. Prerequisites: WL Level I proficient Features application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied.	<b>WL221</b>
<b>Spanish for Spanish Speakers I</b> Grades: 09 - 12 First Semester of: *WL 81 Spanish for Spanish Speakers I Difficulty: Average-High 2 Sem. — 1 Elective/WL Credit Designed for, but not limited to ELL and bilingual Spanish/English students, this literature-based class focuses on reading and writing skills in Spanish while exploring and improving comprehension of literary works. WL 81 emphasizes the writing process, vocabulary enrichment, grammar, and usage skills.	<b>WL811</b>	<b>Spanish II</b> Grades: 09 - 12 Second Semester of: WL22 Spanish II Difficulty: Average - High 2 Sem. 1 Cr. Prerequisites: WL Level I proficient Features application of language skills in reading, writing, and conversation. Level I skills are reviewed and maintained. Appropriate cultural components are studied.	<b>WL222</b>
<b>Spanish for Spanish Speakers I</b> Grades: 09 - 12 Second Semester of: *WL 81 Spanish for Spanish Speakers I Difficulty: Average-High 2 Sem. — 1 Elective/WL Credit Designed for, but not limited to ELL and bilingual Spanish/English students, this literature-based class focuses on reading and writing skills in Spanish while exploring and improving comprehension of literary works. WL 81 emphasizes the writing process, vocabulary enrichment, grammar, and usage skills.	<b>WL812</b>	<b>Spanish III</b> Grades: 09 - 12 WL 23 Spanish III Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: WL Level II Students develop and demonstrate language skills in more advanced forms of written and oral expression. Appropriate cultural components are studied. NOTE: These are weighted courses.	<b>WL231W</b>
<b>Spanish for Spanish Speakers II</b> Grades: 09 - 12 *WL 82 Spanish for Spanish Speakers II 2 Sem. — 1 Elective/WL Credit Designed for, but not limited to ELL and bilingual Spanish/English students, this literature-based class focuses on cultural and literary themes. The class emphasizes literary analysis and terminology as well as advanced composition skills. WL 82 prepares students for WL 94 or WL 25 Spanish Language. Note: This is a weighted course.	<b>WL821W</b>	<b>Spanish III</b> Grades: 09 - 12 WL 23 Spanish III Difficulty: Average-High 2 Sem. — 1 WL Credit Prerequisites: WL Level II Students develop and demonstrate language skills in more advanced forms of written and oral expression. Appropriate cultural components are studied. NOTE: These are weighted courses.	<b>WL232W</b>