



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.	AR58	Beginning Painting Grades: 09 - 12 AR 60 Beginning Painting Difficulty: Average 1 - 2 Sem. – 1/2 - 1 Fine Arts/Elective Credit Prerequisites: AR 63 Required or Instructor Approval Water color and acrylic paints. Emphasis on basic techniques and composition. Paint abstract and realistic still life figures and landscapes. A variety of painting media is used. Previous drawing class strongly recommended. NOTE: Course fee required.	AR60
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.	AR45	Intermediate Ceramics 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.	AR43
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.	AR66	Intermediate Drawing 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.	AR64
Advanced Painting Grades: 09 - 12 AR 62 Advanced Painting Difficulty: Average-High 1 - 2 Sem. – 1/2 -1 Fine Arts/Elective Credit Prerequisites: AR 61 Work on individual basis with teacher developing skills and techniques on an advanced level, beginners and advanced students in the same class. NOTE: Course fee required.	AR62	Intermediate Jewelry 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.	AR56
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.	AR41	Intermediate Painting Grades: 09 - 12 AR 61 Intermediate Painting Difficulty: Average 1 Sem. – 1/2 Fine Arts/Elective Credit Prerequisites: AR 60 A more comprehensive understanding, appreciation, and explanation of painting. Develop skills, knowledge and techniques using various painting media. NOTE: Course fee required.	AR61
Beginning Drawing 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.	AR63	AFJROTC Color Guard/Drill Team Grades: 09 - 12 First Semester of: AS 35 AFJROTC Drill Team/Color Guard Difficulty: Average 2 Sem. 1 Cr. Prerequisites: Must enroll in another AFJROTC course This course introduces students to the principles of teamwork, neatness and precision drill. It builds confidence and strengthens self-esteem. Drill is a very positive activity that instills a heightened sense of discipline and leadership. In addition to drill classes will include physical fitness programs and activities such as volleyball, softball, racquetball, and ultimate frisbee. NOTE: This course may count in lieu of P.E. requirement.	AS351
Beginning Jewelry 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.	AR54		



AFJROTC Color Guard/Drill Team

AS352

Grades: 09 - 12

Second Semester of:

AS 35 AFJROTC Drill Team/Color Guard

Difficulty: Average 2 Sem. 1 Cr.

Prerequisites: Must enroll in another AFJROTC course

This course introduces students to the principles of teamwork, neatness and precision drill. It builds confidence and strengthens self-esteem. Drill is a very positive activity that instills a heightened sense of discipline and leadership. In addition to drill classes will include physical fitness programs and activities such as volleyball, softball, racquetball, and ultimate frisbee. NOTE: This course may count in lieu of P.E. requirement.

AFJROTC II Communication, Awareness & Leadership

AS451

Grades: 10 - 12

AS 45 AFJROTC II - Communication, Awareness and Leadership

2 Sem. – 1 PE Credit/Elective Credit

Course designed to improve communication, enhance awareness of self and others, and provide fundamentals of leadership and fellowship. It includes developing personal integrity. The course also emphasizes leadership and values such as service and excellence. This course incorporates skills of critical thinking, communication, collaboration, and creativity. Specific lessons include listening and writing skills, developing

a positive attitude, focus on integrity, character, and respect, working in a leading teams, solving conflict and problems, as well as characteristics and styles of leadership.

AFJROTC II Communication, Awareness & Leadership

AS452

Grades: 10 - 12

AS 45 AFJROTC II - Communication, Awareness and Leadership

2 Sem. – 1 PE Credit/Elective Credit

Course designed to improve communication, enhance awareness of self and others, and provide fundamentals of leadership and fellowship. It includes developing personal integrity. The course also emphasizes leadership and values such as service and excellence. This course incorporates skills of critical thinking, communication, collaboration, and creativity. Specific lessons include listening and writing skills, developing

a positive attitude, focus on integrity, character, and respect, working in a leading teams, solving conflict and problems, as well as characteristics and styles of leadership.

AFJROTC I-Tradition Wellnss & Fnd of Ci

AS441

Grades: 09 - 12

AS 44 AFJROTC I - Journey into Aviation History

2 Sem. – 1 PE Credit/Practical Arts

Introduction to leadership and aerospace. Cadets gain a basic knowledge

of Junior ROTC programs, customs and courtesies, importance of a positive attitude and discipline, ethics, values and morals, social etiquette, study skills, managing stress, positive decisions, physical and mental health (including nutrition, body systems, emotional health, safe decisions regarding medicines/drugs, tobacco, & alcohol as well as basic First Aid), and the foundations of citizenship. Cadets also participate

in drill, sports and physical fitness activities.

AFJROTC I-Tradition Wellnss & Fnd of Ci

AS442

Grades: 09 - 12

AS 44 AFJROTC I - Journey into Aviation History

2 Sem. – 1 PE Credit/Practical Arts

Introduction to leadership and aerospace. Cadets gain a basic knowledge

of Junior ROTC programs, customs and courtesies, importance of a positive attitude and discipline, ethics, values and morals, social etiquette, study skills, managing stress, positive decisions, physical and mental health (including nutrition, body systems, emotional health, safe decisions regarding medicines/drugs, tobacco, & alcohol as well as basic First Aid), and the foundations of citizenship. Cadets also participate

in drill, sports and physical fitness activities.

AFJROTC IV- Fundamentals of Management

AS471

Grades: 11 - 12

AS 47 AFJROTC IV - Fundamentals of Management

Prerequisites: AS 31, AS 32 2 Sem. – 1 Credit

This course is designed for the fourth-year JROTC cadet. Its aim is to provide an introduction to basic management concepts and skills including

and introduction to management, project management, planning, decision making, time management, and interpersonal skills. The course is intended as a hands-on experience affording cadets the opportunity

to put theories of previous leadership courses into practice through applying theories and techniques learned in previous leadership

courses through planning, organizing, coordinating, directing, controlling, and decision-making. Cadets also participate in drill, sports and physical fitness activities.

AFJROTC IV- Fundamentals of Management

AS472

Grades: 11 - 12

AS 47 AFJROTC IV - Fundamentals of Management

Prerequisites: AS 31, AS 32 2 Sem. – 1 Credit

This course is designed for the fourth-year JROTC cadet. Its aim is to provide an introduction to basic management concepts and skills including

and introduction to management, project management, planning, decision making, time management, and interpersonal skills. The course is intended as a hands-on experience affording cadets the opportunity

to put theories of previous leadership courses into practice through applying theories and techniques learned in previous leadership

courses through planning, organizing, coordinating, directing, controlling, and decision-making. Cadets also participate in drill, sports and physical fitness activities.

AVID

AV091

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.



AVID

AV092

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.

AVID

AV101

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.

AVID

AV102

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.

AVID

AV111

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.

AVID

AV112

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.

AVID

AV121

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.

AVID

AV122

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.

CTE-Advanced Automotives

IT951

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.



CTE-Advanced Automotives

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.

CTE-Advanced Cabinetmaking Technolgi

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

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

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

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.

IT952

CTE-Advanced Computer Maintenance

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

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

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.

CTE-Advanced Culinary Arts

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.

CB511

CB512

FS451

FS452

IT621

IT622

IT321

IT322



CTE-Advanced Digital Publication Studio **GV321**

Grades: 10 - 12

Course Title Change beginning with the 16-17 school year- Advanced Digital Publications

New Course beginning with the 15-16 school year

GV32 Advanced Digital Publication Studio

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

Prerequisite: GV31

This innovative course, which incorporates an interactive learning approach, is designed to advance skills in communication, management, writing, design, photography and marketing. Students will have the opportunity to record history, gain in-depth experience in the production of a professional publication (yearbook), run a business with state of the art technology, strengthen their analytical and problem solving skills and improve communication skills appropriate for college and careers. Students will be responsible for every aspect of the production of the yearbook, which include participating in leadership roles, selling advertisements, planning, writing articles, editing, photography and designing pages.

GV32 Advanced Digital Publication Studio

CTE-Advanced Digital Publication Studio **GV322**

Grades: 10 - 12

Course Title Change beginning with the 16-17 school year- Advanced Digital Publications

New Course beginning with the 15-16 school year

GV32 Advanced Digital Publication Studio

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

Prerequisite: GV31

This innovative course, which incorporates an interactive learning approach, is designed to advance skills in communication, management, writing, design, photography and marketing. Students will have the opportunity to record history, gain in-depth experience in the production of a professional publication (yearbook), run a business with state of the art technology, strengthen their analytical and problem solving skills and improve communication skills appropriate for college and careers. Students will be responsible for every aspect of the production of the yearbook, which include participating in leadership roles, selling advertisements, planning, writing articles, editing, photography and designing pages.

CTE-Advanced Video Production **GV221**

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.

CTE-Advanced Video Production **GV222**

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.

CTE-Advanced Welding

IT741

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.

CTE-Advanced Welding

IT742

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.

CTE-Aerospace Engineering

IT501

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.

CTE-Aerospace Engineering

IT502

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.

CTE-Automotive Systems Diagnostics

IT931

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.



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-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-Coding, App & Web Stack Developm

CB361

Grades: 09 - 12

pilot at Mesa, Skyline and Westwood High Schools for the 2018-2019 school year:

Course Title: CB36 Coding, App and Web Stack Development

Prerequisites: None

2 Semesters - 1 Practical Arts Credit/Elective

Course Description: Students will build on coding concepts and will learn front and back end web development and database design. This includes learning how to code websites for browsers and mobile devices, with languages such as HTML, CSS, C# and Ruby. Students will learn database design that interface with web applications using MySQL. This course may lead to a full stack development credential.

CTE-Coding, App & Web Stack Developm

CB362

Grades: 09 - 12

Course Title: CB36 Coding, App and Web Stack Development

Prerequisites: None

2 Semesters - 1 Practical Arts Credit/Elective

Course Description: Students will build on coding concepts and will learn front and back end web development and database design. This includes learning how to code websites for browsers and mobile devices, with languages such as HTML, CSS, C# and Ruby. Students will learn database design that interface with web applications using MySQL. This course may lead to a full stack development credential.



CTE-Computer Aided Design Special Proj 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.	IT331	CTE-Digital Photography 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.	AR222
CTE-Computer Aided Design Special Proj 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.	IT332	CTE-Digital Photography III 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.	AR231
CTE-Culinary Arts 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.	FS411	CTE-Digital Photography III 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.	AR232
CTE-Culinary Arts 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.	FS412	CTE-Digital Publications Grades: 09 - 12 Course Title Change beginning with the 16-17 school year- change to Digital Publications First Semester of: GV 31 - Digital Publication Studio 2 Sem. – 1 Elective English/Practical Arts/Elective Credit Prerequisite: GV 30 recommended Students will produce the school yearbook while being engaged in all areas of publication production. Units of study include teamwork, creative problem solving, reporting, writing, photography, typography, design, finances, marketing and distribution. Students will utilize industry design software, including Adobe products, in the actual production of the yearbook. Additional projects support the program and expand students' digital studio skills. NOTE: Course fee required.	GV311
CTE-Digital Photography 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.	AR221		



CTE-Digital Publications

Grades: 09 - 12

Course Title Change beginning with the 16-17 school year- change to Digital Publications

Second Semester of:

GV 31 - Digital Publication Studio

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

Prerequisite: GV 30 recommended

Students will produce the school yearbook while being engaged in all areas of publication production. Units of study include teamwork, creative problem solving, reporting, writing, photography, typography, design, finances, marketing and distribution. Students will utilize industry design software, including Adobe products, in the actual production of the yearbook. Additional projects support the program and expand students' digital studio skills. NOTE: Course fee required.

CTE-Early Childhood Professions

Grades: 09 - 12

FS 52 Early Childhood Professions

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

This course focuses on the education profession of preschool through third grade. Students will have the opportunity to develop age appropriate

curriculum and environments for children birth to age eight.

Students examine a teacher's role in supporting child development and fostering the joy of learning for all young children by using observation

strategies and emphasizing the essential role of play. Students

will have hands on experiences and will work with preschool children enrolled at their home campus KinderU program.

CTE-Early Childhood Professions

Grades: 09 - 12

FS 52 Early Childhood Professions

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

This course focuses on the education profession of preschool through third grade. Students will have the opportunity to develop age appropriate

curriculum and environments for children birth to age eight.

Students examine a teacher's role in supporting child development and fostering the joy of learning for all young children by using observation

strategies and emphasizing the essential role of play. Students

will have hands on experiences and will work with preschool children enrolled at their home campus KinderU program.

CTE-Exploring Amazon Web Services & C

Grades: 09 - 12

CB42 - Exploring Amazon Web Services and Cloud Computing

2 Sem. – 1 Practical Arts/Elective Credit

CIP Code: 15.1200.13

AZ State Course Code: AZ10 906 10201

This introductory course provides a detailed overview of cloud concepts, Amazon Web Services core services, security, architecture, pricing, and support. In addition, 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, and data analysis. Students will engage in several in-depth projects to demonstrate the real-world applications of computing.

GV312

CTE-Exploring Amazon Web Services & C

Grades: 09 - 12

CB42 - Exploring Amazon Web Services and Cloud Computing

2 Sem. – 1 Practical Arts/Elective Credit

CIP Code: 15.1200.13

AZ State Course Code: AZ10 906 10201

This introductory course provides a detailed overview of cloud concepts, Amazon Web Services core services, security, architecture, pricing, and support. In addition, 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, and data analysis. Students will engage in several in-depth projects to demonstrate the real-world applications of computing.

FS521

CTE-Exploring Computer Coding and App

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.

FS522

CTE-Exploring Computer Coding and App

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.

CB421

CTE-Intro to Computer Aided Design

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.

CB422

CB301

CB302

IT311



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 Digital Publications

GV301

Grades: 09 - 12

Course Title Change beginning 16-17 school year- change to Intro to Digital Publications

First Semester of:
GV 30 Intro to Digital Studio
Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit
This introductory course to the MPS Digital Studio Program provides students with opportunities to use digital cameras and Adobe design software to communicate their ideas to the world. By using Photoshop, InDesign, and Illustrator, students combine creative talent with technical skills to produce a digital portfolio for the ever changing design industry. This course prepares students for advance study in Digital Photo Studio, Digital Illustration Studio and Digital Publication Studio. NOTE: Course fee required.

CTE-Intro to Digital Publications

GV302

Grades: 09 - 12

Course Title Change beginning 16-17 school year- change to Intro to Digital Publications

Second Semester of:
GV 30 Intro to Digital Studio
Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit
This introductory course to the MPS Digital Studio Program provides students with opportunities to use digital cameras and Adobe design software to communicate their ideas to the world. By using Photoshop, InDesign, and Illustrator, students combine creative talent with technical skills to produce a digital portfolio for the ever changing design industry. This course prepares students for advance study in Digital Photo Studio, Digital Illustration Studio and Digital Publication Studio. 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 Apple iOS App Devel

CB371

Grades: 10 - 12

New course 2019-2020
CB37 Introduction to Apple iOS App Development
Prerequisite: CB30
2 Sem. - 1 Practical Arts/Elective Credit
Course Description: Students will learn how to code and develop applications for Apple iOS devices by utilizing the XCode application, and the programming languages Objective-C and/or Swift. Students will utilize iOS frameworks and iOS hardware and feature basics. Students will go through the entire design process from concept to final product delivery.



CTE-Introduction to Apple iOS App Devel CB372
Grades: 10 - 12

new course 2019-2020
CB37 Introduction to Apple iOS App Development
Prerequisite: CB30
2 Sem. - 1 Practical Arts/Elective Credit
Course Description: Students will learn how to code and develop applications for Apple iOS devices by utilizing the XCode application, and the programming languages Objective-C and/or Swift. Students will utilize iOS frameworks and iOS hardware and feature basics. Students will go through the entire design process from concept to final product delivery.

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-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 though 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 though 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 though DECA include leadership development, field trips, travel, and competition.

CTE-Marketing II BE532
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 though DECA include leadership development, field trips, travel, and competition.

CTE-Principles of Engineering IT431
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.

CTE-Principles of Engineering IT432
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.



CTE-Robotics Grades: 09 - 12 IT 55 Robotics Difficulty: Average-High 2 Sem – 1 Practical Arts/Elective Credit Prerequisite: IT 43 recommended Students will focus on control circuits, interfaces, and microprocessors applications as they build and program robots. This course also includes the development of robotics software, Computer Integrated Manufacturing tasks, data communication tasks, sensor and control systems tasks, and the application of the engineering design process. Students are strongly encouraged to participate in robotics competitions. NOTE: Course fee required	IT551	CTE-Video Production 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.	GV212
CTE-Robotics Grades: 09 - 12 IT 55 Robotics Difficulty: Average-High 2 Sem – 1 Practical Arts/Elective Credit Prerequisite: IT 43 recommended Students will focus on control circuits, interfaces, and microprocessors applications as they build and program robots. This course also includes the development of robotics software, Computer Integrated Manufacturing tasks, data communication tasks, sensor and control systems tasks, and the application of the engineering design process. Students are strongly encouraged to participate in robotics competitions. NOTE: Course fee required	IT552	CTE-Welding and Materials Processes 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.	IT731
CTE-Teacher Training Program Grades: 10 - 12 First Semester of: FS 53 Teacher Training Program Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit Prerequisite: FS 52 This year-long course is an orientation to the teaching profession. Students are exposed to teaching careers and the education system through simulations, "hands-on" activities, and observations. In addition to the curriculum components, all students are required to participate in a field experience in a public school classroom.	FS531	CTE-Welding and Materials Processes 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.	IT732
CTE-Teacher Training Program Grades: 10 - 12 Second Semester of: FS 53 Teacher Training Program Difficulty: Average 2 Sem. – 1 Practical Arts/Elective Credit Prerequisite: FS 52 This year-long course is an orientation to the teaching profession. Students are exposed to teaching careers and the education system through simulations, "hands-on" activities, and observations. In addition to the curriculum components, all students are required to participate in a field experience in a public school classroom.	FS532	CTE-Welding I - Basic 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.	IT711
CTE-Video Production 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.	GV211	CTE-Welding I - Basic 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.	IT712



CTE-Welding II - Intermediate 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.	IT721	AP English Literature & Composition 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	EN712W
CTE-Welding II - Intermediate 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.	IT722	College - Prep Writing 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.	EN45
Student Store Grades: 09 - 12 BE 54 Student Store Difficulty: Average 1 Sem. – 1/2 Practical Arts Credit Want to gain work experience without leaving campus? Assist customers, operate cash register, set up displays, and learn retail procedures while working in the student store. Strongly recommended for students enrolling in Marketing. Teacher interview required.	BE54	English Composition 101 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.	EN72
AP English Language & Composition Grades: 11 - 12 *EN 70 AP English Language & 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.	EN701W	English Composition 102 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.	EN64
AP English Language & Composition Grades: 11 - 12 *EN 70 AP English Language & 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.	EN702W	Freshman English 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.	EN091
AP English Literature & Composition 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	EN711W	Freshman English 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.	EN092



Holocaust Literature 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.	EN63	Junior English 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.	EN482
Honors Freshman English 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.	EN271W	Senior English 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.	EN491
Honors Freshman English 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.	EN272W	Senior English 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.	EN492
Honors Sophomore English 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.	EN351W	Sophomore English 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.	EN471
Honors Sophomore English 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.	EN352W	Sophomore English 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.	EN472
Junior English 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.	EN481		



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

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

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 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

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.

MA502W

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.

MA511W

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.

MA512W



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.

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

MA521W

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.



Honors Geometry

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.

MA322W

Honors Pre-Calculus

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.

MA451W

Honors Pre-Calculus

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.

MA452W

AP Research

Grades: 10 - 12

Continuation of CP20

CP21 AP Capstone: AP Research

Difficulty: High 2 Sem - 1 Elective Credit

AP Research is the second course in the AP Capstone experience. This course allows students to design, plan and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues. Through this inquiry and investigation, students demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students further their skills acquired in the AP Seminar Course by understanding research methodology; employing ethical research practices; and access, analyze and synthesize information to build, present and defend an argument. NOTE: This is a weighted course

CP211W

AP Research

Grades: 10 - 12

Continuation of CP20

CP21 AP Capstone: AP Research

Difficulty: High 2 Sem - 1 Elective Credit

AP Research is the second course in the AP Capstone experience. This course allows students to design, plan and conduct a yearlong research-based investigation on a topic of individual interest, documenting their process with a portfolio. This allows students to demonstrate the ability to apply scholarly understanding to real-world problems and issues. Through this inquiry and investigation, students demonstrate the ability to apply scholarly understanding to real-world problems and issues. Students further their skills acquired in the AP Seminar Course by understanding research methodology; employing ethical research practices; and access, analyze and synthesize information to build, present and defend an argument. NOTE: This is a weighted course

AP Seminar

Grades: 09 - 12

Course Change Beginning 2017-18

CP20 AP Capstone: AP Seminar

Difficulty: High 2 Sem - 1 Elective Credit

In this yearlong course, student develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. For example, students might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is a benefit to society. Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. After taking AP Seminar, students will have the opportunity to further their inquiry and analytical writing skills in AP Research. NOTE: This is a weighted course.

CP201W

AP Seminar

Grades: 09 - 12

Course Change Beginning 2017-18

CP20 AP Capstone: AP Seminar

Difficulty: High 2 Sem - 1 Elective Credit

In this yearlong course, student develop and strengthen analytic and inquiry skills, exploring two to four relevant issues chosen by the student and/or teacher. For example, students might explore the question of whether national security is more important than a citizen's right to privacy, or whether genetic engineering is a benefit to society. Using an inquiry framework, students practice reading and analyzing articles; research studies; foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to consider an issue from multiple perspectives, evaluate the strength of an argument, and make logical, fact-based decisions. Students question, research, explore, pose solutions, develop arguments, collaborate, and communicate using various media. After taking AP Seminar, students will have the opportunity to further their inquiry and analytical writing skills in AP Research. NOTE: This is a weighted course.

CP202W

AA Interscholastic Athletics (Baseball)

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.

PE50BL1



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.	AA Interscholastic Athletics (Cross Country) 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 (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.	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 (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.	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 (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 (Girls Basketball) 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 (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 (Girls Basketball) 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 (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 (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 (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 (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 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 (Softball) PE50SB1

Grades: 09 - 12

Softball

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 (Spirtline) PE50SL1

Grades: 09 - 12

Spirit Line

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 (Spirtline) PE50SL2

Grades: 09 - 12

Spirit Line

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 (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 Dance PE72

Grades: 09 - 12

Difficulty: Advanced 1 or 2 Sem. – ½ or 1 PE/Fine Arts/Elective Credit

Prerequisites: PE 70 or 71 recommended/audition

This dance course develops more sophisticated dance styles of jazz, contemporary, lyrical, and ballet. Some schools may include hip hop as well. Included is an emphasis on proper alignment, stretching to increase flexibility, core strength, basic anatomy, vocabulary, choreography

and dance history. Students will learn dance production and have an opportunity to participate in a dance performance. Advanced dance student can audition to perform in additional dance pieces.

Dance compositions may be required.

Advanced Fitness PE52

Grades: 09 - 12

PE 52 Advanced Fitness

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

Prerequisites: "A" or "B" in PE 53

Advanced Fitness includes a combination of advanced aerobic activities and weight training. A combination of aerobic circuit training, running, jump roping, and an intensified and structured weight training program with emphasis on strength and flexibility.

Advanced Weight Training PE781

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.

Advanced Weight Training PE782

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.

Beginning Dance PE70

Grades: 09 - 12

PE 70 Beginning Dance

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

An introduction to fundamental dance techniques styles of jazz, contemporary, lyrical, ballet, and some schools may include hip hop.

Included is an emphasis on proper alignment, core strength, and stretching to increase flexibility. Dance production, basic anatomy, vocabulary and dance history are also introduced. Students will have an opportunity to participate in a dance performance.

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.

**Dance Composition & Performance**

Grades: 09 - 12

PE 75 Dance Composition and Performance

Difficulty: Average-High

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

Prerequisites: Audition

Will explore the more advanced dance techniques. More sophisticated composition will be created and students will be required to perform in concerts as determined by the school.

Hip Hop Dance

Grades: 09 - 12

PE 74 Hip Hop Dance Fusion

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

An introduction to basic hip hop style dancing. Each semester provides instruction in basic anatomy, as well as History. Students will also have the opportunity to develop choreography skills.

Intermediate Dance

Grades: 09 - 12

PE 71 Intermediate Dance

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

Prerequisites: Teacher approval/audition

Includes intermediate technique in ballet, modern and jazz. Choreography and dance production included. Dance compositions are required. Performance in a dance concert and/or production work is recommended and may be required at some schools.

Pilates Mat

Grades: 09 - 12

PE 83 Pilates Mat

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

This course is an exercise program for students that desire increased flexibility, range of motion and strength. Pilates focuses on the muscles in the abdomen, back and hips. Basic anatomy and physiology will be included in the curriculum.

Stretch & Strength

Grades: 09 - 12

First Semester of:

PE 82 Stretch & Strength

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

This course is designed to augment dance and athletic training by increasing flexibility and core strength while focusing on a physical and mental balance. Pilates, yoga and activities are also beneficial to non-dance and athletic students.

Stretch & Strength

Grades: 09 - 12

Second Semester of:

PE 82 Stretch & Strength

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

This course is designed to augment dance and athletic training by increasing flexibility and core strength while focusing on a physical and mental balance. Pilates, yoga and activities are also beneficial to non-dance and athletic students.

Unified PE

Grades: 09 - 12

New course 2019-2020

Course Title: PE 48 Unified P.E. 1 or 2 Sem. - 1/2 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

PE75

Unified PE

Grades: 09 - 12

new course 2019-2020

Course Title: PE 48 Unified P.E. 1 or 2 Sem. - 1/2 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

PE482

PE74

AP Biology

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.

SC461W

PE71

AP Biology

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.

SC462W

PE83

AP Chemistry

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.

SC771W

PE821

PE822

AP Chemistry

Grades: 10 - 12

SC772W

PE481

AP Physics I

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.

SC791W



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

CTE- Scientific Research Methods

SC922W

Grades: 10 - 12

SC 92 Scientific Research Methods

Difficulty: Average-High 2 Sem.—1 Additional Science/Practical Arts Credit

A rigorous, research-intensive course which provides students with the opportunity to conduct authentic scientific research on a competitive level. With support from local scientists and other researchers, students will develop a research topic, conduct experiments and present their results at the state regional science fair in the spring. Successful projects

earn students opportunities for financial and scholarship awards, travel and networking opportunities within the scientific community.

NOTE: It is recommended that this course be taken concurrently with another life or physical science lab course. While this is a rigorous science course, this course does not meet university requirements as a life or physical science content course. NOTE: This is a weighted course.

CTE-Scientific Research Methods

SC921W

Grades: 10 - 12

SC 92 Scientific Research Methods

Difficulty: Average-High 2 Sem.—1 Additional Science/Practical Arts Credit

A rigorous, research-intensive course which provides students with the opportunity to conduct authentic scientific research on a competitive level. With support from local scientists and other researchers, students will develop a research topic, conduct experiments and present their results at the state regional science fair in the spring. Successful projects

earn students opportunities for financial and scholarship awards, travel and networking opportunities within the scientific community.

NOTE: It is recommended that this course be taken concurrently with another life or physical science lab course. While this is a rigorous science course, this course does not meet university requirements as a life or physical science content course. NOTE: This is a weighted course.

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

Ecology of Marine Ecosystems

SC751

Grades: 10 - 12

First Semester of:

SC 75 Ecology of Marine Ecosystems

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

Prerequisites: SC 49 Biology and SC 71 Chemistry (or higher)

A one year survey of marine ecosystems and environmental problems with an emphasis on computer-based, hands-on laboratory investigations. The class has a high level of difficulty and the students should be prepared to put forth a considerable amount of time into the course. Life Science

Ecology of Marine Ecosystems

SC752

Grades: 10 - 12

Second Semester of:

SC 75 Ecology of Marine Ecosystems

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

Prerequisites: SC 49 Biology and SC 71 Chemistry (or higher)

A one year survey of marine ecosystems and environmental problems with an emphasis on computer-based, hands-on laboratory investigations. The class has a high level of difficulty and the students should be prepared to put forth a considerable amount of time into the course. Life 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

SC451W

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

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

Honors Physical Science

SC231W

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.

Honors Physical Science

SC232W

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.

Human Anatomy and Physiology

SC551

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.



Human Anatomy and Physiology

SC552

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.

Physical Science

SC221

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.

Physical Science

SC222

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.

American Government

SS51

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.

American History

SS351

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.

American History

SS352

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.

AP Human Geography

SS671W

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.

AP Human Geography

SS672W

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.

AP Psychology

SS791W

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.

AP Psychology

SS792W

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.



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.	SS391W	Criminology and the Law II Grades: 10 - 12 new course 2019-2020 Course Title: SS 73 Criminology and the Law II Prerequisites: SS 69 Criminology and the Law I 1 Sem.–½ Social Studies Credit The course will include an introduction to criminal justice with an emphasis on law enforcement. Focus will be on police investigations, arrest, pre-trial procedures, while moving through the justice system. Careers in policing will be examined, including ethical considerations and standard protocols, and dilemmas facing law enforcement on a daily basis.	SS73
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.	SS392W	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
AP World History Grades: 09 - 12 *SS 50 AP World History Difficulty: High 2 Sem. – 1 Social Studies Credit This course will provide the motivated student with a greater understanding of the evolution of global processes and contacts in different types of human societies through the study of world history. Students will trace the development of cultural, political, social, intellectual, and economic history through several chronological periods including: Ancient Greece and Rome, The Middle Ages, Renaissance, Industrial Revolution, World War I, World War II and the Cold War. Particular attention will be given to the development of college prep skills. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This course meets the graduation requirement for World History. NOTE: This is a weighted course.	SS501W	Honors World History/Geography 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.	SS281W
AP World History Grades: 09 - 12 *SS 50 AP World History Difficulty: High 2 Sem. – 1 Social Studies Credit This course will provide the motivated student with a greater understanding of the evolution of global processes and contacts in different types of human societies through the study of world history. Students will trace the development of cultural, political, social, intellectual, and economic history through several chronological periods including: Ancient Greece and Rome, The Middle Ages, Renaissance, Industrial Revolution, World War I, World War II and the Cold War. Particular attention will be given to the development of college prep skills. Students will take an AP exam in May. See your school counselor if you have a financial hardship. NOTE: This course meets the graduation requirement for World History. NOTE: This is a weighted course.	SS502W	Honors World History/Geography 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.	SS282W
Criminology and the Law Grades: 09 - 12 SS 69 Criminology and the Law Difficulty: Average 1 Sem. – 1/2 Elective Credit An overview of the nature of criminality including the legal and social remediation of criminal behavior. The emphasis will reflect the roles of the citizenry relative to crime in a democratic society.	SS69	Psychology I 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.	SS76



Psychology II 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.	SS77	World History/Geography 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.	SS221
Sports Psychology Grades: 11 - 12 New district course beginning 14-15 school year SS 80 Sports Psychology Difficulty: Average 1 Sem. – 1/2 Elective Grade Level: 11-12 Prerequisites: Psychology I (SS 76) or higher; Instructor approval without prerequisites This course deals with the study and application of psychological principles that enhance athletic performance. Students will look at how psychology influences sports and athletic performance as well as application to all areas of life. Goals of the course include introducing students to sport psychology theory, methodology and techniques used in the field, at the same time applying them to real world situations and enhancing mental strength.	SS80	Old Info: World History/Geography II (Spring) World History/Geography 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.	SS222
We The People Grades: 10 - 12 *SS 59 We the People Difficulty: High 2 Sem. – 1 Social Studies Credit Prerequisites: Teacher Recommendation This course will engage students in a program that develops a more profound understanding of, and appreciation for the fundamental principles and values of our free society. It focuses on the common core of civic values and concepts that are fundamental to the theory and practice of democratic citizenship in the United States. There is an expectation that students will engage in extracurricular competitions. NOTE: This course meets the graduation requirement for Government and Economics. NOTE: This is a weighted course.	SS591W		
We The People Grades: 10 - 12 *SS 59 We the People Difficulty: High 2 Sem. – 1 Social Studies Credit Prerequisites: Teacher Recommendation This course will engage students in a program that develops a more profound understanding of, and appreciation for the fundamental principles and values of our free society. It focuses on the common core of civic values and concepts that are fundamental to the theory and practice of democratic citizenship in the United States. There is an expectation that students will engage in extracurricular competitions. NOTE: This course meets the graduation requirement for Government and Economics. NOTE: This is a weighted course.	SS592W		

**Driver Education**

Grades: 09 - 12

Course Description change beginning 16-17 school year

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 - learners permit required

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). A learners permit is required.

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).

Old Info-

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).

American Sign Lang II

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.

TS32**American Sign Lang II**

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.

WL192**American Sign Language I**

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.

WL181**American Sign Language I**

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.

WL182**American Sign Language III**

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.

WL281W**American Sign Language III**

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.

WL282W**AP Chinese Language and Culture**

Grades: 09 - 12

WL15 AP Chinese Lanuage 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.

WL151W**WL191**



AP Chinese Language and Culture

WL152W

Grades: 09 - 12

WL15 AP Chinese 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.

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.

Mandarin Chinese I

WL111

Grades: 09 - 12

First Semester of:
Mandarin Chinese 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.

Mandarin Chinese I

WL112

Grades: 09 - 12

Second Semester of:
Mandarin Chinese 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.

Mandarin Chinese II

WL121

Grades: 09 - 12

First Semester of:
WL 12 Mandarin Chinese 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.

Mandarin Chinese II

WL122

Grades: 09 - 12

Second Semester of:
WL 12 Mandarin Chinese 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.

Mandarin Chinese III

WL131W

Grades: 09 - 12

WL13 Mandarin Chinese 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.

Mandarin Chinese III

WL132W

Grades: 09 - 12

WL13 Mandarin Chinese 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.

Spanish for Spanish Speakers II

WL821W

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.

Spanish for Spanish Speakers II

WL822W

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.

Spanish I

WL211

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.

Spanish I

WL212

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.



Spanish II

WL221

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.

Spanish II

WL222

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.

Spanish III

WL231W

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.

Spanish III

WL232W

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.