



Welcome to
Snowflake High
School!

2020 - 2021

'Home of the Lobos'

Larry Titus	Principal	Ext. 7513
Kevin Standerfer	Athletic Director/Asst. Principal	Ext. 5714
Shane Brimhall.....	Assistant Principal/Dean of Students.....	Ext. 7582
Sherri Claridge	Principal's Secretary	Ext. 7510
Marne Gresko	Attendance Clerk	Ext. 7512
Elizabeth Hollom	Finance Clerk.....	Ext. 7524
Camalee West	Career and Technical Ed. Director	Ext. 7523
Camalee West	NAVIT Career Technician	Ext. 7523
Natalie Hall	Counselor (10 th & 12 th grades).....	Ext. 7525
Dave Godfrey	Counselor (9 th & 11 th grades).....	Ext. 7522
Gregg Lunt	Gear Up Coordinator(9 th Grade).....	Ext. 7573
Amy Hall.....	Registrar.....	Ext. 7521

Mailing Address

682 School Bus Lane
Snowflake, AZ 85937

Physical Address

190 South 2nd West
Snowflake, AZ 85937

Phone Numbers

SHS Office (928) 536-4156
SHS Fax (928) 536-4240

NON-DISCRIMINATION STATEMENT: The Snowflake Unified School District is committed to a policy of non-discrimination in relation to race, color, religion, sex, age, national origin and disability. This policy will prevail in all matters concerning staff members, students, the public, educational programs and services and individuals with whom the Board does business.

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General Information

Catalog

This book describes the courses offered at Snowflake High School. Although a course is listed, it may not be offered if enrollment is insufficient.

Registration Information for the 2020-2021 School Year

- Registration for 2020-2021 will be completed before the end of the 2020 spring semester. Their counselor will assign students who have not completed registration by the deadline classes.
- Returning students who need to make changes **for academic purposes only** can make an appointment with his/her counselor through mid-June or during the two weeks prior to the start of school.
- Schedules will be given at time of registration.
- **Schedule Changes:** At the **beginning of each semester** there is a **5-day drop/add period**. Students may request schedule changes that do not affect their graduation progress. Changes are only made if the counselor determines that the change is feasible for the student and any teachers affected by the change. If a student drops a class after this period, they may receive a **withdraw/fail** notice on their transcript. **Schedule changes are not always granted so students should register for classes carefully.**
- **Students NEW to our district** who are enrolling more than 10 school days late who have not been previously enrolled in another school for the current semester **may** enroll under an audit status.

Correspondence and Distance Learning Courses

Correspondence and Distance Learning courses from accredited institutions may be used to make up credits. A total of four credits (one from each area, English, Math, Social Studies, and Science) may be applied toward graduation requirements. Acceptance of transfer credit from sources outside Snowflake High School is not automatic. Therefore, students earning credits at sites other than Snowflake High School are **advised to discuss their individual situation with and get approval** from their counselor before enrolling in correspondence or distance learning courses.

All fees for correspondence and distance learning courses are the responsibility of the student.

Correspondence courses allow students to learn at home via written assignments, require students to have assignments evaluated by a representative of the correspondence publisher and require students to complete a final exam in a test-taking environment at Snowflake High School or at the NPC Testing Center.

Distance Learning courses allow students to learn via the Internet and the same restrictions for correspondence courses apply.

Snowflake Junior High Algebra 1-2 Credit

Eighth graders do not receive credit that counts toward high school graduation except for Algebra 1-2. One credit is granted at Snowflake High School for Algebra I if a grade of “A” or “B” is earned both semesters. Students who have taken Algebra 1-2 in the eighth grade must enroll in Geometry during their freshman year and earn a “C” or better both semesters, in order to receive credit for their eighth grade Algebra 1-2. The credit will be posted at the end of their second year.

Junior High students desiring Algebra I credits must meet the following requirement:

- Receive A or B in Alg. I at Junior High level
- Enroll in Geometry their freshman year and earn a B or better both semesters.

Snowflake High School Graduation Requirements

Graduating students will need to have a minimum of 24 credits. All regularly scheduled classes will carry one-half credit per semester.

The 24 required credits MUST include the following minimum credit requirements. See Diploma Options on page 6 for list of specific courses needed to earn a standard diploma.

	Credits
English	4
Math	4
Science	3
Social Studies	3
Fitness for Life or Health/Physical Education	1
Career and Tech Education or Fine Arts	1
Electives	8
TOTAL	24

***Please note:** If a student fails a semester(s) of a required course it must be paid for (\$150.00 per ½ credit) and made up in summer school through Snowflake High School's summer program (Mesa Distant Learning). Consult with your counselor. If the course you need is not offered through our Mesa Distant Learning, you may take summer school courses at any accredited institution or complete a correspondence course.*

ACADEMIC AWARDS

VALEDICTORIAN – This award will go to the student at the top of the Senior class as determined by the grade weighting system for 8 semesters.

SALUTATORIAN - this award will go to the second highest student in the Senior class as determined by the grade weighting system for 8 semesters.

HIGHEST DISTINCTION – These awards go to the top few students, (approximately 1.5-2%) graduation closest to the Salutatorian, as determined by the grade weighting system for 8 semesters.

DISTINCTION – These awards go to those seniors graduating closest to those with Highest Distinction as determined by 7 semesters of grade weighting. The total of honor graduates will generally be less than 10% of the total number.

Grading System

The school year is divided into two semesters, fall/spring. Each semester is divided into two nine-week terms. Only semester grades are reported on the transcript. Semester grades are not averaged between the nine-week terms.

Non-Weighted Classes

All courses taught for credit receive a letter grade or a pass/fail option. The final exam may not count for more than 20 percent of the final grade. Grade-point values and the percentage used to determine each grade are listed below:

Grade Breakdowns:

100-90	A	Superior
89-80	B	Above Average
79-70	C	Average
69-60	D	Below Average
59-00	F	Failing-no credit awarded

Weighted Classes (4 weight)

Certain honors/accelerated high school courses taken at Snowflake High School receive weighted grades. A 5.0 grade-point value is possible because of higher expectations and greater challenge in the work required. The grade point for these grades is: A=5.0, B=4.0, C=3.0, D=2.0 and F=0. Courses for which weighted credit is given are determined by Snowflake High School.

Students Registering After the 10th Day of a Semester

If a student registers at Snowflake High School after the 10th day of a semester and/or has not attended or been enrolled in a school during the past 20 school days, the student will be registered on a no-credit basis.

Students Withdrawing from School

If a student withdraws from school to enter another school prior to the end of the semester, the student will receive a transfer grade. This will be the grade earned to date.

Students Transferring to Snowflake High School

Withdrawal grades from a student's former school will be given to Snowflake High School teachers and added to their grading system. Every effort will be made to match classes from the former school. Credit may be lost due to the inability to match classes from the previous school.

Grade Weighting System and Ranking Procedure

Purpose

The Snowflake High School grade weight system's purpose is to honor students who earn good grades in Snowflake High School's most challenging academic curriculum, exceed on the AIMS, and meet benchmark ACT scores. This system will be used only to determine the students who are graduating at the top of their class.

Definition of Grade Weights

The weighted numbers are an indication of the academic difficulty of a class. Academic areas are defined as English, Social Studies, Science, Mathematics, and Foreign Language.

- 4 weight** Any class in the academic areas offering knowledge that goes beyond high school graduation requirements and meets university entrance requirements. (Honors English classes, Honors American History, Honors U.S. Government, Honors College Algebra/Trig., Honors Calculus; Honors Biology 3-4, Honors Physics) – Eng 101, Eng 102, and College Algebra or higher
- 3 weight** Any class in an academic area that meets high school graduation requirements and/or minimum university entrance requirements. (Exception's—Academic Decathlon, Academic Achievement, and a foreign language are given a '3' weight.
- 2 weight** A non-academic class that meets high school graduation requirements (Exception—Pre-Algebra is given a '2' weight) Any off-campus or online classes are also 2 weight.
- 1 weight** A pass/fail class (aide, peer tutor, etc.)

An independent study course taken on campus for high school credit will be given the same weight ('2' or '3') as the high school course for which it substitutes, with the exception of '4' weight classes which will be given a '3' weight. Students must get approval from their guidance counselor before enrolling in an independent study course for high school credit.

Procedure

In 2016+ test scores will become part of our ranking system. The point break down will go as follows:

ACT 30& above - 5 points

ACT 26-29 - 3 points

In the event there is a tie in determining the Valedictorian or Salutatorian the highest ACT score will be used to break the tie.

To determine a student's final rank in class, 48 semester grades will be 'weighted.' All '3' and '4' weight grades will be calculated. Grades in '2' and '1' weight classes will be calculated according to the following methods:

If a student has more than 48 semester grades, only 48 of them will be used. These will consist of all '4' and '3' weight grades and enough '2' weight grades to make a total of 48. The '2' weight grades used will be taken in order from highest to lowest. All '2' weight grades will be used before any '1' weight grade is considered.

College courses taken for high school credit will be weighted according to the following methods:

- A college course taken for high school credit will be given the same weight ('2' or '3') as the high school course for which it substitutes, with the exception of '4' weight classes which will be given a '3' weight. Students must receive approval from their guidance counselor before enrolling in college classes for high school credit.
- A college course taken for high school credit and needed as an elective to make the 24 credit graduation requirement will be assigned a '2' weight.
- A college course taken for high school credit that is not required as an elective credit for graduation will not be used in calculating grade weight. Substitute classes will only be used if necessary to meet graduation requirements.
- A college course taken for high school credit and not offered at the high school or listed on the substitute list but needed to meet graduation requirements, will be considered an elective and assigned a '2' weight.
- When a college class is substituted for a high school course, the high school course grade weight will be applied.
- NAVIT courses are elective credit and will be given a '2' weight unless otherwise specified.

Preliminary rankings will be calculated following this schedule:

- At the end of the 4th semester using 24 semester grades.
- At the end of the 5th semester using 30 semester grades.
- At the end of the 6th semester using 36 semester grades.
- At the end of the 7th semester using 42 semester grades will be calculated to determine those who graduate with 'Distinction'.
- At the end of the 8th semester, 48 semester grades will be calculated to determine the positions for Highest Distinction, Valedictorian, and Salutatorian.

This grade weighting system will be applied only to the top 50% of the class.

The lower 50% will be ranked by grade point average.

NCAA Division I and II Academic Requirements

Any student that will be submitting courses to the NCAA Eligibility Center should confirm that the courses they are taking at Snowflake High School meet the required courses approved by the NCAA. If you are unsure if the course you are enrolling in will meet this requirement, consult the NCAA website:

<https://web1.ncaa.org/eligibilitycenter/common/>, or confirm this with your counselor before you enroll in this class.

Admission Information for Arizona Universities

The following information is very general. Please consult with counselors at Snowflake High School or at the school your student is interested in attending for more specific information.

Arizona university websites or catalogs should be consulted for specific high school courses recommended or required for admission. Particular colleges or programs, for example: engineering or nursing has more specific requirements for admission.

Arizona State University <http://www.asu.edu>
Northern Arizona University <http://home.nau.edu>
University of Arizona <http://www.arizona.edu>

Course requirements for entrance to Arizona universities (see catalogs or websites for specifics)

English	4 credits
Math (Algebra I, Geometry, Algebra II, + upper level math).....	4 credits
Laboratory Science	3 credits
Social Studies	3 credits
Foreign Language (2 years in same language)	2 credits
Fine Arts	1 credit
TOTAL	16 credits

The Snowflake High School Guidance Department and Administration strongly recommend that students planning to attend college, especially four-year schools, take all the honors courses they can while in high school to help prepare them for the rigor of coursework at college. If students are interested in science, math, engineering, etc., they need to take as many honors classes as possible.

Conditional admission is possible. Students must have ACT or SAT scores and meets other requirements. Visit with your counselor if you are deficient in the course requirements and desire to attend a state university.

Out-of-state universities and colleges may have different entrance requirements. Catalogs or websites should be consulted for specific requirements.

For complete information additional requirements check the state website -

<http://www.ade.state.az.us> click on AIMS Information Center, then
click on Information for: Parents & Students

NCAA Division I and Division II Academic Requirements. The Guidance Office has information and the online website is – www.NCAA.org

Please contact your student’s counselor for additional information about college admission.

Yearly Standardized Tests

AzMERIT tests

High School students will take the AzMERIT tests. English Language Arts and Mathematics will take AzMERIT End-of-Course assessments that will test their proficiency in these subjects near the end of the course.

Released Time Policy

- One period of Released Time Religion is available each year to all students.
- The principal must approve ALL NO Scheduled class for reasons other than religion.
- Verification forms are available in the Guidance office and will have to be completed before Released Time is granted.
- **Freshmen and sophomores** may not request Released Time, except for religion.
- **Juniors** may apply for one period of No scheduled class, for reasons other than religion, if they have completed all of their core required classes and have earned **14** credits by the fall of their junior year
- **Seniors** may apply for one period of no scheduled class, for reasons other than religion, if they have completed all of their core required classes and have earned **20** or more credits by the fall of their senior year. **Seniors must be enrolled in 5 credited classes.**
- No Scheduled Class for reasons other than religion is available to senior students for employment outside of school or enrollment in Northland Pioneer College courses.
- No scheduled class for other than religion, is usually assigned to the last periods of the day and only approved for juniors and seniors.
- Students approved for “No scheduled class” may attend school assemblies.
- Students who loiter on campus during their “no scheduled class” may be referred for disciplinary action. “No scheduled class” may be revoked and a student may also be required to enroll in a class for no credit if he/she persists in remaining on campus during their “No scheduled class” time.
- Students may not receive credit for a class if they enroll two weeks or more into a semester.

English

Materials / recommended supply list needed for English classes:

1½" or 2" 3-ring notebook binder
Seven dividers with tabs
One highlighter

Loose leaf paper
12 black ink pens
One red ink pen

ENGLISH 9

CREDITS:	1	GRADE WEIGHT:	3
HOMEWORK:	Average	OFFERED TO GRADES:	9
LEVEL OF DIFFICULTY:	Average		

This course includes the study of grammar, vocabulary, punctuation, study and organizational skills, basic composition, and elements of literature in preparation for AZMerit testing. Emphasis on College and Career Readiness Standards. Book reports on outside reading may be required. Students interested in Honors English courses at the next level will be required to attend some enrichment opportunities.

ENGLISH 10 AND HONORS ENGLISH 10

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	10
HOMEWORK:	Average		
PREREQUISITES:	English 9		

This course includes the continued study of vocabulary, punctuation, composition, and elements of literature in preparation for AZMerit testing. Emphasis on College and Career Readiness Standards. Book reports on outside reading are required. Speech opportunities are included as well as a research project.

HONORS ENGLISH 10

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	Average/High	OFFERED TO GRADES:	10
HOMEWORK:	Average		
PREREQUISITES:	English 9		

ENGLISH 11

CREDITS:	1	OFFERED TO GRADES:	11
LEVEL OF DIFFICULTY:	Average	GRADE WEIGHT:	3
HOMEWORK:	Average		
PREREQUISITES:	10		

This is an American literature class. The course is designed to continue development of language skills with the study of grammar usage, vocabulary, and composition emphasis. Some novels and plays are studied in depth, and critical analysis is required. Emphasis on College and Career Readiness Standards. Prep for the ACT (English) test is provided. Book reports on outside-of-class reading and a research paper is required.

HONORS ENGLISH 11

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	Average/High	OFFERED TO GRADE:	11
HOMEWORK:	Above average		
PREREQUISITES:	English 10 or Honors English 10, current teacher recommendation is suggested.		

Honors English 11 is a chronological survey of American literature from the Early Colonial period to the advent of realism in the post-Civil War era. Studies emphasize critical thinking through the close reading of literary and informational texts and writing, both expository and argumentative, about those texts. Texts include seminal American documents (the US Constitution, the Declaration of Independence, landmark Supreme Court cases) and classic literary texts by Bradstreet, Edwards, Franklin, Emerson, Thoreau, Hawthorne, Poe, and Twain. The core writing assignments are argumentative and require extensive research into foundational documents and current controversial issues. Students are also required to do extensive outside reading of and reporting on classic literary works. Emphasis on College & Career Readiness Standards.

ENGLISH 12

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average/High	OFFERED TO GRADES:	12
HOMEWORK:	Average		
PREREQUISITES:	English 11		

This is a British literature survey course. The course is designed to continue language skills development with units in vocabulary, grammar usage, composition, and literature in preparation for the work outside of high school. Emphasis on college & career readiness standards. Book reports on outside-of-class reading may be required.

ENGLISH 101

ENGLISH 102

CREDITS:	.5 (for each semester)	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADE:	12
HOMEWORK:	Above Average		
PREREQUISITES:	Current teacher recommendation as well as: ACT English score of 19 or above/Reading score of 21 or higher and/or AZ Merit at proficient or higher; Honors English 1 preferred (not required). Cumulative unweighted GPA of 2.6+. Enrollment in English 102 is dependent on earning a grade of a "C" or better in English 101.		

ELD ENGLISH (English Language Development):

English Language Learner classes will be provided as needed.

Mathematics

PLEASE NOTE: Students who fail a semester(s) of Math MUST take Alternative school OR retake it in Alt. school OR summer school at their own expense. Math classes are sequential and it is counterproductive to take the class (semester) repeatedly without passing.

Mathematics is a logical, sequential, discipline that allows students to expand their basic math skills and develop problem solving abilities, thus preparing them for institutions of higher learning and a diverse and technological society.

Note: Recommended sequence for high school math courses: Algebra I, Geometry, Algebra II.

ALGEBRA IA Algebra IA is designed to cover fundamental math skills needed for Algebra along with an introduction into basic Algebra concepts. The yearlong Algebra IA course is equivalent to one semester of the standard Algebra I course.

ALGEBRA IB SCIENTIFIC CALCULATOR REQUIRED

GRADE WEIGHT:2

The course develops a mathematical sense and proficiency that is required for all higher levels of mathematics. Arizona College and career readiness standards are reinforced. Algebra IB is generally completed after Algebra IA and covers the same content that is covered in the 2nd semester of Algebra I.

ALGEBRA I SCIENTIFIC CALCULATOR REQUIRED

Algebra I introduces basic algebraic skills. These skills include relations, functions, graphing, systems of equations, radicals, factoring polynomials, rational equations, probability and statistics, and quadratic functions. It emphasizes practical methods of solving first- and second-degree equations and inequalities.

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	9-12
HOMEWORK:	Daily		
PREREQUISITES:	None		

GEOMETRY SCIENTIFIC CALCULATOR REQUIRED

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	9-12
HOMEWORK:	Daily		
PREREQUISITES:	Algebra I		

This course uses reading and problem solving to integrate previously acquired algebra skills in geometry. It uses coordinates and transformations to explore geometric concepts in both two and three dimensions. The course teaches students how to apply geometric concepts to real life situations. Arizona College and career Readiness Standards for Geometry are taught in this course.

ALGEBRA II SCIENTIFIC CALCULATOR REQUIRED

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	9-12
HOMEWORK:	Daily		
PREREQUISITES:	Algebra I, Geometry		

This course includes a review of first-year Algebra, and a more in-depth study of algebra concepts such as solutions of linear and quadratic equations, logarithms and exponential functions. Arizona College and Career Readiness Standards for Algebra are taught in this course.

HONORS ALGEBRA II SCIENTIFIC CALCULATOR REQUIRED

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Daily		
PREREQUISITES:	Algebra I, Geometry		

This course includes a review of first-year Algebra and a more in-depth study of algebraic concepts. Such concepts as; solutions of linear and quadratic equations, logarithms, exponential functions. This class will be taught at an accelerated rate allowing more in-depth study of the concepts and will prepare students for College Algebra and Trigonometry. AAArizona College an Career Readiness Standards for Algebra are taught.

HONORS COLLEGE ALGEBRA (MAT 152)/TRIGONOMETRY (MAT 189) SCIENTIFIC CALCULATOR REQUIRED

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	11-12
HOMEWORK:	Daily		
PREREQUISITES:	Geometry, Algebra II with a “B” or better in both semesters, instructor recommendation, proficient or higher on AZ Merit Geometry & Algebra tests, cumulative unweighted GPA of 2.6+. Students with a GPA and/or grades too low to qualify for these classes may still take a placement test, thru the dual enrollment representative at the high school, to qualify.		

College Algebra is a dual enrollment course (offered through NPC) as the third course in the Algebra sequence. The approach is intuitive and interactive with an emphasis on applications and a graphing approach. The course covers techniques for solving equations and inequalities; the idea of functions, linear quadratic, and logarithmic; systems of equations and matrices; equations of second degree and their graphs; and sequences and series. Students who want to take the Advanced Placement examination will be given special help to reach that goal. Emphasis on College and Career readiness standards.

TRIGONOMETREY - This course covers the trigometric functions, trigonometric identities and graphs, applications of trigonometry, complex numbers, and exponential and logarithmic functions. A graphing approach will be followed and a T-86 graphing calculator will be provided. Students who wish to take the Advanced Placement examination will be given special help to reach that goal. Emphasis on College & Career readiness standards.

HONORS CALCULUS (MAT 221) SCIENTIFIC CALCULATOR REQUIRED

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	12
HOMEWORK:	Daily		
PREREQUISITES:	Algebra II, Geometry, Honors College Algebra/Trigonometry, proficient or higher on AZ Merit Geometry & Algebra tests, Instructor recommendation, Cumulative unweighted GPA of 2.6+. Students with a GPA and/or grades too low to qualify for these classes may still take a placement test, thru the dual enrollment representative at the high school, to qualify.		

Honors Calculus is a dual enrollment course (offered through NPC) designed to introduce the concepts of differential and integral calculus, along with their basic rules and formulas, used to solve verbal problems using differentiation and integration. Students who need to take the Advanced Placement examination will be given special help to reach that goal. Emphasis on College and Career readiness standards.

MATH FOR LIFE SCIENTIFIC CALCULATOR REQUIRED GRADE WEIGHT:2

Math for life is a full-year course designed to help students develop competencies in mathematics for business and personal use. Students will learn how to compute gross and net income, maintain a checking and savings account, determine interest payments on credit, and other basic record keeping functions. The course focuses on awareness of consumer-related issues and strives to help students become “more informed” consumers now and in the future. Units on preparing for and paying for high education, researching careers and pathways to these careers, purchasing insurance will also be covered. Throughout the course students will create spreadsheets, essays, and presentations and collaborate with other students.

ACADEMIC MATH (NAVIT STUDENTS ONLY)

CREDITS:	1	GRADE WEIGHT:	1
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADE:	11-12
HOMEWORK:	Medium		
PREREQUISITES:	<u>Teacher approval</u>		

Science

Course offerings in this department are a reflection of our philosophy of providing a rich and diverse learning environment where students develop functional skills and working knowledge of scientific laws, principles, and methodologies to become dynamic participants and functional citizens of the rapidly changing, technological world in which we live.

Students must have 3 lab sciences in order to graduate.

Recommendations for Curriculum Choices

Based upon Science Interests and Aptitudes - Meets state graduation requirements.

Year	Standard	Advanced
9	Physical Science or Earth Science	*Biology
10	Biology I	Honors Chemistry
11	Chemistry I	Honors Physics
12	Physics, encouraged but not required	Honors Anatomy and Physiology
Class		Pre-Requisite
Chemistry		Completed Algebra I
Honors Chemistry		Completed Algebra I with B or above Concurrently enrolled in Algebra II or above
Physics		Completed Geometry with B or above Concurrently enrolled in Algebra II or above
Honors Physics		Completed Algebra II with B or above Completed or concurrently enrolled in College Algebra/Trig
Honors Anatomy		Completed Biology with B or above

*Students enrolling in Biology in the 9th grade must have successfully completed Algebra I prior to the 9th grade and are expected to continue of the “Advanced” science sequence noted above.

Other Sciences:
STEM
Intro to Engineering
Anatomy
Earth Science

In order to be successful in the following classes a student should have

Chemistry I	taken at least some math beyond Algebra I
Honors Chemistry	completed at least Algebra II
Physics	completed or currently enrolled in College Algebra/Trigonometry

PHYSICAL SCIENCE

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	9-12
HOMEWORK:	Average		
PREREQUISITES:			None

This course should be taken during the freshman year. It is a laboratory science that will provide functional knowledge for daily application to life and for future studies in science. Attention will be given to lifetime application of basic principles of Physics, basic Earth Structure, and the solar system relationship with Earth.

BIOLOGY I

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	10-12
HOMEWORK:	Moderate		
PREREQUISITES:	None		

This course is designed to provide students with a laboratory science emphasizing "life." As a lab science, this course focuses on the use of scientific method and skills to investigate the world around us. Critical thinking, daily application to life and problem solving will be stressed as well.

EARTH SCIENCE

During this course, the student will identify the branches of Earth Science, conduct hands-on experiments with minerals and rocks, compare and contrast weathering and erosion, explore plate tectonics with relation to earthquakes and volcanoes, and investigate the formation of mountains. Students will learn about atmospheric processes, including the water cycle, infer how severe storms form, and study the Earth-moon-sun relationship.

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	9-12
HOMEWORK:	Moderate		
PREREQUISITES:	Physical Science		

CHEMISTRY

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	10-12
HOMEWORK:	Moderate-high		
PREREQUISITES:	Completed Algebra I. See Table for details.		

This course provides everyday experiences with chemical processes that will enhance student abilities to make informed decisions regarding the use of a variety of chemicals. The application of algebra in various assignments and laboratory activities will help students acquire essential laboratory skills as they predict, analyze, and draw conclusions from basic chemical principles.

HONORS CHEMISTRY

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Daily		
PREREQUISITES:	Completed Algebra I with B or above. Concurrently enrolled in Algebra II or above. See Table for details.		

The pace of this course will be fast and students will need to have a strong background in both chemistry and mathematics. Students will be required to keep a detailed lab notebook during the course.

PHYSICS

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-High	OFFERED TO GRADES:	10-12
HOMEWORK:	Moderate-High		
PREREQUISITES:	Completed Geometry with B or above. Concurrently enrolled in Algebra II. See Table for details.		

This course is intended to provide students with an understanding of the physical laws governing the universe and the mathematical representations that describe these laws. Successful completion of this course will prepare students to be successful in a university level physics course. Major emphasis will be placed on classical physics concepts involving mechanics, work and energy, thermodynamics, sound, light, and electricity. An understanding of algebraic concepts and basic trigonometric concepts are essential for success in this class.

HONORS PHYSICS

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	11-12
HOMEWORK:	Substantial		
PREREQUISITES:	Completed Algebra II with B or above. Completed or concurrently enrolled in College Algebra/Trig. See Table for details.		

This course is intended to provide students with an in-depth understanding of the physical laws governing the universe and the mathematical representations that describe these laws. Successful completion of this course will prepare students to be successful in a university level physics course. Major emphasis will be placed on classical physics concepts involving mechanics, work and energy, thermodynamics, sound, light, and electricity. An understanding of algebraic concepts and basic trigonometric concepts are essential for success in this class.

HONORS ANATOMY & PHYSIOLOGY

CREDITS:	1	GRADE WEIGHT:	4
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	11-12
HOMEWORK:	Substantial	CLASS FEE:	\$30
PREREQUISITES:	Completed Biology with B or above. See Table for details.		

Anatomy and Physiology is an introductory class focusing on the human body. Students begin with the regions of the body and its systems and then dive deeper into each individual system as their knowledge increases. Students will learn what a body part IS (anatomy) and what it actually DOES (physiology).

To maintain the Union that supports our freedoms we must rely on the knowledge, skills, and character of its citizens and those elected to public office. We believe the study of history, government, and economics adds significantly to the ability of a student to make a positive and informed contribution as a citizen of the United States.

WORLD HISTORY/GEOGRAPHY

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	9-12
HOMEWORK:	Occasional		
PREREQUISITES:	None		

This class is a survey in which the students learn the factors that affected the development of early civilizations, as well as the contributions made to society by those civilizations. Areas covered include, but are not limited to—Greece, China, Rome, the French Revolution, the British Empire and Russia. Students will also learn the location of continents and oceans, their topography, natural features, resources, political boundaries, and economics.

AMERICAN & AZ. HISTORY AND HONORS AMERICAN /ARIZONA HISTORY

CREDITS:	1	GRADE WEIGHT:	3
	***Honors American/Arizona History will still carry the grade weight of:		4
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	11-12
HOMEWORK:	Occasional		
PREREQUISITES:	None		

The study of history is essential in developing citizens who understand contemporary issues with a depth and wisdom drawn from the experiences of the past. This course examines United States and Arizona History with an emphasis on the late 19th Century and all of the 20th Century.

If a student would like to receive credit for Honors American History, they must complete additional work and enrichment as given by the instructor.

AMERICAN GOVERNMENT/ECONOMICS AND HONORS AMERICAN GOVERNMENT/ECONOMICS

CREDITS:	1	GRADE W	
	Honors American Government/Economics weight:		4
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	12
HOMEWORK:	Occasional		
PREREQUISITES:	None		

The purpose of this class is to develop in all students the requisite knowledge and skills needed for informed, responsible participation in public life: to ensure, through instruction, that students understand the essentials, sources, and history of the Constitution of the United States and other key documents and branches of the U.S. Government. Students will learn economics to make reasoned judgments about both personal economic questions and broader questions of economic policy.

If the student would like to receive credit for Honors American Government/Economics, they must complete additional work and enrichment as given by the instructor.

TALON – POS 110 – American Government/Economics (NPC) – SEE College Courses (p. 8)

Physical Education

The Physical Education Department is an important component of the school program. Our program is an integral part of the total educational program that contributes, largely through physical activity experiences, to the total growth and development of all students. The courses give attention to all learning domains – psychomotor, cognitive, and affective.

The classes provide the student with a personalized level of physical fitness/activity, develops improvement and competency in a variety of physical skills and attainment of knowledge of skills/rules for a variety of individual, dual, and team sports. Through a hands-on approach these courses will provide the student with the conceptual basis needed to pursue a lifetime of health and fitness and the skills needed to lead a more balanced life. **A SEPARATE PAIR OF SHOES ARE NEEDED FOR GYM CLASS.**

SPECIAL SUPPLIES: All students will be required to wear uniforms for any Physical Education class. This includes Fitness 4 Life classes, Adv. Classes, and Strength & Conditioning classes. Uniforms can be purchased at the bookstore for \$15.00/set. Because of students taking clothes home to wash them and forgetting to bring them back, I would recommend buying two complete uniforms (if possible). **We also require each student to have 2 pairs of Athletic shoes.** One for outside, (If they wear tennis shoes to school, that same pair would be okay to use in PE for times we are outside). The second pair of athletic shoes is for the gym only. If outside shoes are worn in the gym it scratches the gym floor and ruins it. **This is a must, to have a good pair of athletic shoes that stay clean and does not scratch or ruin the gym floor.** Locks for your locker and uniforms can be purchased at the school bookstore. Please use a permanent marker and write your name on both the pants and shirts of your uniforms.

FITNESS FOR LIFE/Health is required of all freshman. The student's time will be divided between an introductory course in Physical Education and a classroom setting. The Physical Education emphasis will be lifetime sports and fitness. Aspects of physical, social, mental health, and personal growth and development. Classroom activities will focus on nutrition, injury prevention, 1st aid, lifelong goal setting for wellness and physical fitness.

Training and Activities: Presidential fitness testing
Low impact plyometric
Basic sport skill development
Low impact aerobic/anaerobic training
Circuit training/conditioning
Form running
Basic agility activities
Basic weight training
Yoga, Strengthening/Meditation

Includes: Volleyball
Softball (Slow pitch)
Flag Football
Badminton
Aerobics/Dance Activities
Fitness walking
Pickleball
Ultimate Football/Frisbee
Basketball
Soccer
Eclipse ball
Racquetball
Track & field basics
Floor Hockey variations
Tchoukball

MALE FITNESS FOR LIFE /HEALTH

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	9 & 10
HOMEWORK:	Regular		
PREREQUISITES:	None		

FEMALE FITNESS FOR LIFE/HEALTH

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	9 & 10
HOMEWORK:	Regular		
PREREQUISITES:	None		

FEMALE ADVANCED ATHLETIC PREP

Female Athletes: This course is designed for female athletes that want to improve their strength and skill in their specific sport. If this class does not have enough students sign up; Students will be placed in another Advanced class accordingly.

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	HIGH	OFFERED TO GRADES:	10-12
HOMEWORK:	SOME		
PREREQUISITES:	COACH recommendation /Teacher approval		

ADVANCED ATHLETIC PREP

Male Athletes: This course is designed for sophomore, junior, and senior athletes that want to improve their strength and skill in their specific sport. If this class does not have enough students sign up; Students will be placed in another Advanced class accordingly.

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	HIGH	OFFERED TO GRADES:	10-12
HOMEWORK:	SOME		
PREREQUISITES:	COACH recommendation/Teacher approval		

FRESHMAN ATHLETIC PREP/HEALTH PE

Freshman boy or girl athletes: Designed for freshman athletes who want to improve their strength & skills in their specific sport.

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	HIGH	OFFERED TO GRADES:	9
HOMEWORK:	SOME		
PREREQUISITES:	COACH recommendation/Teacher approval		

COED STRENGTH AND CONDITIONING 3-8

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Some		
PREREQUISITES:	Teacher Approval		

This class is designed to meet the needs of the more advanced weight-training student. The emphasis is more of an individualized exercise and training regimen designed for a specific sport or competitive endeavor. This class will include resistance training, running, stretching and overall fitness work. (This class DOES NOT fulfill the Physical Education requirement for graduation.)

FEMALE ADVANCED PHYSICAL EDUCATION

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Some		
PREREQUISITES:	Fitness for Life or P.E./Health with a grade of "B" AND <u>Teacher approval</u>		

This class is designed to meet the needs of the more competitive athlete. The student will be offered more intense and competitive drills and game activities. Students will be exposed to strategies in various team sports as well as participation at a higher skill level. (This class DOES NOT fulfill the Physical Education requirement for graduation.)

If this class does not have enough students sign up; Students will be placed in another Advanced class accordingly.

This class is NOT for those who do not want to work out or think this is an easy class. You will be required to work and condition hard.

MALE ADVANCED PHYSICAL EDUCATION

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Some		
PREREQUISITES:	Fitness for Life or P.E./Health with a grade of "B" AND <u>Teacher approval</u>		

This class is designed to meet the needs of the more competitive athlete. The student will be offered more intense and competitive drills and game activities. Students will be exposed to strategies in various team sports as well as participation at a higher skill level. Students will be required to condition and work hard. (This class DOES NOT fulfill the Physical Education requirement for graduation.)

If this class does not have enough students sign up; Students will be placed in another Advanced class accordingly.

COED ADVANCED PHYSICAL EDUCATION

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Some		
PREREQUISITES:	Fitness for Life or P.E./Health with a grade of "B" AND <u>Teacher approval</u>		

This class is designed to meet the needs of the more competitive athlete. The student will be offered more intense and competitive drills and game activities. Students will be exposed to advanced strategies in various team sports as well as participation at a higher skill level. (This class DOES NOT fulfill the Physical Education requirement for graduation.)

If this class does not have enough students sign up; Students will be placed in another Advanced class accordingly.

NAVIT ATHLETIC PREPERATION (8th hour) (NAVIT STUDENTS ONLY)

CREDITS:	1	GRADE WEIGHT:	1
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADE:	11-12
HOMEWORK:	Medium		
PREREQUISITES:	<u>Teacher approval</u>		

Fine Arts

PLEASE NOTE: There is a very limited supply of instruments available for rental on a first come first serve basis. Only one \$50 fee required, in participating in more than one Choir class. Orchestra has a separate fee from Band/Jazz band. Forms for the activities are available in the high school front office and on our school website.

BAND

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	9-12
HOMEWORK:	Daily practice	FEE:	\$55
PREREQUISITES:	None		
SPECIAL SUPPLIES:	Students need to have their own instruments, Emergency Medical, AIA Activities forms, \$50 paid fee allows for White Card in order to participate.		

Members are required to attend all home and away games and a mandatory band camp, which will be held at SHS before the beginning of the school year. Students not attending the summer band camp may be placed in the band as an alternate. Attendance at extra rehearsals, which may be scheduled before or after school, is required.

Symphonic Band – This group/band begins when marching season is over. Students need to have their own instrument.

Marching Band – Students will learn marching techniques and how to play while on the move. The band will march at all home football games. They will play in 3 or 4 concerts and will participate in parades. Selected members are chosen to play along with the strings to create a full orchestra. This group also has the opportunity to participate in regional solo/ensemble, large group festivals, Pep Band during basketball, etc.

JAZZ BAND

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	10-12
HOMEWORK:	Daily practice	FEE:	\$55
PREREQUISITES:	One year of high school band (entrance by audition only)		
SPECIAL SUPPLIES:	Students need to have their own instruments, Emergency Medical, AIA Activities forms, \$50 paid fee allows for White Card in order to participate.		

Zero hour Jazz Band will allow various styles of music to be explored. An emphasis on jazz swing and big band sounds. Instruments in the Jazz Band include alto saxophone, trombone, trumpet, piano and keyboard, guitar, bass, tenor saxophone, baritone saxophone, drum set, and percussion. Marching band will be during the first quarter of this class. Those not able to march will be in the pit of the show.

ORCHESTRA

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Average high	OFFERED TO GRADES:	9-12
HOMEWORK:	Daily practice	FEE:	\$55
PREREQUISITES:	Previous string experience and teacher permission		
SPECIAL SUPPLIES:	Students need to have their own instruments, Emergency Medical, AIA Activities forms, \$50 paid fee allows for White Card in order to participate.		

This is a stringed instrument performance class. Students are required to attend concerts at least once every nine weeks as part of their grade assessment. Emphasis is on string technique, theory, style, and literature.

ENCORE WOMENS CHOIR

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Medium	OFFERED TO GRADE:	10-12
HOMEWORK:	Medium	FEE:	\$55
PREREQUISITES:	By audition or teacher recommendation. Emergency Medical, AIA Activities forms, \$50 paid fee allows for White Card in order to participate.		

Female students may audition for Encore to develop their singing technique and participate in concerts. Members are encouraged to audition for Regional Choir. If they make Regional Choir, then they are encouraged to audition for All-State Choir.

MIXED CHOIR

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	9-12
HOMEWORK:	Minimal	FEE:	\$25
PREREQUISITES:	None		

Mixed Choir is a beginning choir. The emphasis in the class is on performance technique, music literacy, fundamentals of voice production and sight singing music. Members will be encouraged to audition for Regional Choir and if they make it, audition for All-State Choir.

HONOR CHOIR

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Individual music practice	FEE:	\$55
PREREQUISITES:	<u>Entrance by Audition.</u> Emergency Medical, AIA Activities forms, \$50 paid fee allows for White Card in order to participate.		

Honor Choir is a group of performance singers and students will be required to audition. Members are required to perform in scheduled concerts held in the evenings at least once every nine (9) weeks. Emphasis is on vocal production, music literature, theory and sight singing. Members are expected to audition for Regional Choir, and if they make it, audition for All-State Choir.

MADRIGALS

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADES:	10-12
HOMEWORK:	Individual music practice	FEE:	\$55
PREREQUISITES:	<u>Entrance by Audition only.</u> Emergency Medical, AIA Activities forms, \$50 paid fee allows for White Card in order to participate.		

This is the most advanced choral performance class and will meet during the zero (0) hour class period. The Madrigal Choir is a public relations group and performs all styles of music. Members are expected to dedicate themselves to the group and adjust their personal schedules to the performance schedule. The group performs often and sometimes on short notice. Choreography is a part of the class. Membership is limited. Members are required to audition for Regional Choir and are expected to audition for All State Choir. [Madrigals are also expected to take Honor Choir.

Foreign Language

Students are encouraged to develop an awareness and respect for other people, cultures and languages. Language study gives students insights into worldviews other than their own and helps them gain skills needed to communicate in global society.

*****Fluent Spanish speakers should begin with Spanish II or III. Do not take Spanish I.*****

Fluent Spanish speakers are also encouraged to take the CLEP exam (College Level Examinations Program) to obtain college credit and to see exactly where his or her ability is. CLEP exams have a cost of \$80.00 but could result in up to 16 hours of foreign language credit at most universities.

SPANISH I

CREDITS:	½ credit per semester	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	10-12
HOMEWORK:	Average		

Spanish I will include the grammar traditionally taught during first year Spanish. Our focus will be on the 4 basic and essential skills of language acquisition; Reading, Writing, Speaking and Listening. Active class participation is essential to build all 4 communication skills. Vocabulary building is at the utmost importance for Spanish I. Make up assignments will be required if you are absent. This class will be conducted approximately 50% in Spanish.

- Communicate using learned vocabulary and objectives to engage in meaningful conversation.
- Understand and respond to classroom commands and understand key phrases.
- Read articles and identify grammatical structures and interpret and understand verbs in the past & present tenses.
- Produce short stories using the present and past tenses and be able to Engage in writing about various cultural topics.

SPANISH II

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	Average-high	OFFERED TO GRADES:	11-12
HOMEWORK:	Average		
PREREQUISITES:	Spanish I or equivalent		

Spanish II will include a more advanced study of grammar taught during first year Spanish and will add Imperfect Tense, Future Tense, and Subjunctive Tense. Our focus will be on the 4 basic and essential skills of language acquisition; Reading, Writing, Speaking and Listening. Active class participation is essential to build all 4 communication skills to a more advanced level. Vocabulary building is expanded and required for success in Spanish II. Make up assignments will be required if you are absent. This class will be conducted approximately 50% - 75% in Spanish.

- Communicate using learned vocabulary and objectives to engage in meaningful conversation.
- Interpret and understand verbs in the past, present, future & subjunctive
- Understand and respond to classroom commands and understand key phrases.
- Comprehend native speakers
Comprehend heard texts
- Read articles and identify grammatical structures and interpret and understand verbs in the present tense, both past tenses, future tense, and subjunctive tense
Read and explain short stories written in Spanish
- Produce short stories using the present, past, future and subjunctive tenses and be able to engage in writing about various cultural topics and community activities.
- Summarize stories & respond to comprehension questions
Use prepositions, transitions, & phrases

TALON – SPANISH 101/102 – NPC Dual Enrollment (see College Courses p.8)

Other Electives

ACADEC

CREDITS:	1	GRADE WEIGHT:	3
LEVEL OF DIFFICULTY:	High	OFFERED TO GRADE:	9-12
HOMEWORK:	Above average	FEE:	\$55
SPECIAL SUPPLIES:	Emergency Medical & AIA Code of conduct Activities forms, \$50 paid fee allows for White Card in order to participate.		

ACADEC is designed for the intellectually curious and the trivia buff. The class involves study, research, and mastery under a broad general theme in the following areas: speech, extemporaneous speaking, social sciences, essay, economics, literature, fine arts, science, and mathematics. The course theme varies each year and is defined by the National Academic Decathlon Organization.

TEACHER AIDE or HS ADMIN OFFICE AIDE

(Teacher's may only have 2 Aides)

CREDITS:	1	GRADE WEIGHT:	1
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	11-12
HOMEWORK:	None		
PREREQUISITES:	Principal permission and GPA requirements. <u>Complete an application and selected by interview.</u>		

Office aides assist the receptionist, finance clerk, admin secretary, Career Tech, CTE Director, Guidance Dept. and others as needed. Answering phones, delivering messages, filing, copying, mail delivery, are some of the admin aide's responsibilities.

AIDE – HS LIBRARY

CREDITS:	1	GRADE WEIGHT:	1
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	11-12
HOMEWORK:	None		
PREREQUISITES:	<u>Complete an application and interview.</u>		

These students will assist with shelf reading, filing of books, checking books in and out, assist in the preparation of bulletin boards, and other duties as assigned by the librarian. Students will receive a pass/fail grade and 1 credit. Grades will be based on punctuality, attendance, performance of library duties, and effective use of library skills.

AIDE – ELEM/INTERM LIBRARY

CREDITS:	1	GRADE WEIGHT:	1
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	11-12
HOMEWORK:	None		
PREREQUISITES:	Compete Application. <u>Permission from Elementary school Principal.</u>		

These students will assist with shelf reading, filing of books, checking books in and out, preparation of bulletin boards, and other duties as assigned by the librarian. Students will receive a pass/fail grade and 1 credit. Grades will be based on punctuality, attendance, performance of library duties, and effective use of library skills.

AIDE – ELEM/INTERM CLASSROOM

CREDITS:	1	GRADE WEIGHT:	1
LEVEL OF DIFFICULTY:	Average	OFFERED TO GRADES:	11-12
HOMEWORK:	None		
PREREQUISITES:	Principal permission and GPA requirements. <u>Permission from Elementary school Principal.</u>		

Students may act as a teacher's aide at Highland Primary or Snowflake Intermediate School with the permission of the principal. Students will leave campus to assist the teacher for one period each day. They will receive a pass/fail grade and .5credit per semester.

COPY CENTER ASSISTANT

CREDITS:	1	GRADE WEIGHT:	1
LEVEL OF DIFFICULTY:	Medium	OFFERED TO GRADE:	10-12
HOMEWORK:	None		
PREREQUISITES:	Willing to work and approval by Copy Center supervisor.		

Students will work in the Copy Center copying documents for district faculty, administration and students. They will also learn to operate equipment and assist with other activities similar to those found in commercial print shops.

ACADEMIC ACHIEVEMENT

CREDITS:	1	GRADE WEIGHT:	3
OFFERED TO GRADE:	11-12		
PREREQUISITES:	Staff and Guidance Department approval		

This course allows student to assist with study techniques and monitor homework assignments of other students with specific academic need. This course is appropriate for academically proficient students (earned a 'B' or better in corresponding class) who work well with other students and have met all parts of AIMS.

STUDENTS MUST HAVE TEACHER & COUNSELOR APPROVAL

YEARBOOK

This course is designed to teach the skills necessary to produce the school yearbook, which offers a complete record of an entire school year. The year begins by planning the coverage for the school year and designing a unifying theme for the book. Students will learn strategies of planning, marketing (ad sales) and distribution of the yearbook. Students will learn proofing and photography strategies. Students will learn good work habits and are responsible for all phases of yearbook publication.

CREDIT:	1	GRADE WEIGHT:	1
OFFERED TO GRADE:	9-12		
PREREQUISITES:	Students must be proficient in language arts skills, have the ability to meet hard deadlines, and work independently. <u>Must apply for admittance into this class via yearbook teacher due to limited space available.</u>		

RELEASED TIME RELIGION

One period of Released Time Religion is available each year to all students.

RELEASED TIME CHRISTIAN STUDIES

One period of Released Time Christian Studies is available each year to all students.

Level I

(Students must qualify for the LI Program)

LEVEL I DAILY LIVING SKILLS

CREDITS:	1	GRADE WEIGHT:	2
LEVEL OF DIFFICULTY:	Depends on level needs of student	OFFERED TO GRADES:	9-12
HOMEWORK:	None		
PREREQUISITES:	Must qualify for Special Education Services and have an IEP.		

The class focuses on skills necessary for Special needs students to learn life skills and vocational skills necessary for independent living.

The students learn to cook, sew, wash and dry clothes as well as work on individual work and academics such as math, language, and reading on their level. The class also focuses on community-based instruction where they go out into the community to learn social skills and other skills necessary for life.

Youth Transition Program (YTP)

YTP – Job Skills / Shadow I, II, & III

Youth Transition Program from School to Work classes offer students who are unable to secure a job on their own an opportunity to receive job training and support in work settings both on and off campus. Areas of focus include, but are not limited to, landscaping and yard work, custodial and maintenance work, car washing, food services, nursery operations, childcare, and office assistant work. These classes include instruction, modeling, and job coaching. Students participate in regular self-evaluation. Instruction topics include: work attire, preparation for work, safety on the job, appropriate work behavior, interacting with co-workers, communicating with supervisors, and problem-solving at work.

CREDITS: 1 GRADE WEIGHT: 2
PREREQUISITES: Case Manager Recommendation

Functional Math

Functional Math is designed to meet individual student needs and learning goals. Students receive instruction in one or all of the following areas depending on the specifics of their IEP. Content includes, but is not limited to, practice and actual experience in learning how to:

- Apply for a bank account – make bank deposits and withdrawals
- Write a check-maintain a balance by adding and subtracting
- Use a wallet – make purchases, count money, and wait for change
- Prepare a budget for a shopping trip or a project
- Use a newspaper or an advertisement to locate a time, score, or price
- Use a vending machine
- Use a clock or other cues to follow a schedule
- Take inventory
- Record sales
- Determine profits

Grade: 9-12

Credit: 1

Community Skills

This course is designed to meet individual student needs and increase awareness of community services. Students receive instruction in one or all of the following areas depending on the specifics of their IEP. Content includes, but is not limited to, practice and actual experience in learning how to:

- Grocery shopping and banking
- Turn the computer on and off, use the mouse, keyboard
- Safely navigate their environment
- Social skills
- Transportation

Grade: 9 – 12

Credit: 1

Functional Language Arts

This course is designed to meet individual student needs and learning goals. Students receive instruction in one or all of the following areas, depending on the specifics of their IEP. Content includes, but is not limited to, practice and actual experience in learning how to:

- Use effective and positive communication styles
- Completing personal forms
- Using Total Communication (Sign Language, Voice, Gestures, and Augmentative Communication Devices)
- Solve problems using positive communication on an every-day basis
- Use a newspaper or an advertisement to locate information about a product or service
- Maintain a Journal
- Use a phone book to determine a phone number
- Make a phone call to get specific information
- Write thank you letters and cards for birthdays and other events
- Prepare a shopping or “To Do” list
- Interview for jobs
- Prepare a resume
- Complete a job application

Grade : 9 – 12

Credit: 1 Semesters: 2

Adaptive PE

This is a specialized P.E. class designed for students with multi-handicaps. Non-disabled peers serve as a student assistants. The SHS Occupational Therapist consults with the teacher on an as-needed basis to design activities best suited for each student's development, based on the specifics of their IEP.

Grade: 9 – 12

Credit: 1 Semesters: 2

Adaptive Health

This is a specialized health class designed for resource and inclusion students. Focus of the class will be to address personal hygiene skills, self-care, maintaining wellness to include:

Making doctors appointments, and awareness of basic nutrition skills.

Grade : 9 – 12

Credit: ½ Semesters: 1

The YTP program is provided in collaboration with the Arizona State Department of Economic Security and Vocational Rehabilitation. YTP is designed to help students, who have an Individualized Education Plan (IEP) develop career skills and transition from high school to the work force.

Students must meet certain eligibility requirements and have case manager recommendation before they enroll in the Youth Transition Program and be willing to participate in various types of job skill assessments, employment opportunities and training. These courses will allow students to explore possible careers and job shadow in different work environments.

Students who are 17 years of age and meet the eligibility requirements may apply to participate in the Arizona State Department of Economic Security and Vocational Rehabilitation training program. Students will be placed in paid positions where they can learn on-the-job work skills.

STM (Structured Teaching Model)

This course is designed to meet individual student needs and learning goals. Students receive instruction in one or all of the following areas depending on the specifics of their IEP. Content includes, but is not limited to, practice and actual experience in learning how to:

- Select a recipe, clean the food preparation area, get ingredients and utensils, and unwrap and store food items
- Chop, cut, stir, pour, and peel a variety of foods.
- Measure dry foods and liquids
- Use a mixer
- Select the oven temperature, turn on stove burners, adjust heat settings, set a timer, and safety around heat elements.
- Use a microwave
- Wash, dry, and put away cooking utensils
- Sort dirty laundry, operate washer and dryer, set controls, and fold clean laundry
- Vacuum rugs and sweep floors
- Clear and wipe surfaces
- Organize materials on shelves and in cabinets
- Make shopping lists
- Learn effective communication style
- Recognize and respond to emotions
- Dress for specific activities
- Use tools
- Follow behavior norms in a variety of settings protocol
- Move about the High School campus as independently as possible
- Develop positive relationships with other students, teachers, staff, and administrators.

Grade: 9 – 12

Credit: 1 Semesters: 2

Community Based Instruction

Community Based Instruction occurs off-campus in the surrounding community. The schedules vary weekly. It is designed to meet individual student learning goals, and take advantage of seasonal offerings. Students receive instruction in one or all of the following areas, depending on the specifics of their IEP. Content includes, but is not limited to, actual experience in learning how to:

- Order from a menu.
- Demonstrate manners while dining in a restaurant.
- Pay and tip.
- Be safe in parking lots, on streets, and in vehicles.
- Use community services: shops, banks, post offices, and libraries.
- Interact positively with community service providers
- Engage in volunteer work and projects

Grade: 9 – 12

Credit: 1 Semesters: 2

Career and Technical Education Program Descriptions

2019-2020 School Year

Note to parents and students –

NAVIT programs are a great way for a student to train/prepare for their future whether they are planning to continue their education in a college setting or enter the workforce after graduation. Our CTE programs will provide in-depth training for **serious** career and technical education students primarily at the junior/senior level.

- Students planning to take any NAVIT programs need to have a C or better in all of their classes and good attendance with no NG's.
- Most of our NAVIT programs are aligned with degree and/or certificate programs at Northland Pioneer College and students may take the additional required classes to earn either a Certificate of Applied Science or an Associates degree.
- The credits earned at NPC may also be transferred to other colleges/universities. However, there are many options as to how and where credit may be applied so each student should research the possibilities based on their individual situation by visiting with high school and college counselors and studying 4-year degree course requirements at the college(s) they are considering applying to.
 - Students must have C's in a college course before it will be accepted by universities in Arizona.
 - It is **highly unlikely** that **ALL** credits taken at a junior college will apply directly to requirements for a Bachelors Degree.
 - Students should visit the **aztransfer.org** website and select the 'Checking Course Equivalency' Guide that indicates what NPC courses will transfer to ASU, U of A, and NAU.
- If you have questions about the Career and Technology Programs at SHS please call 536-4156, Ext. 7523

Mrs. West: Ext 7523 (On-Campus NAVIT Programs)
 Mrs. West: Ext 7523 (Off-Campus NAVIT/NPC programs)
 Mr. Godfrey: Ext 7522 (Counselor for Sophomore & Seniors)
 Mrs. Hall : Ext 7525 (Counselor Freshmen & Juniors)

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The following page is a general view of the Career and Technical Education Programs available through intergovernmental agreements between Snowflake High School, NAVIT, and Northland Pioneer College.



AUTO TECHNOLOGY Off-Campus Program – Show Low

AUTO TECHNOLOGY I, II – (for Juniors/Seniors, 4 credits High School)

AUTO TECHNOLOGY III, IV – (for Seniors, 4 credits High School)

This is an ASE (Automotive Service Excellence) NATEF (National Automotive Technicians Education Foundation) certified program that is designed for the student who is serious about a career in the automotive industry. Students completing this program would be eligible for ASE certification in the following areas. Electronics/Electronic systems, Engine Performance, Brakes, Suspension & Steering, Engine Repair, Heating & Air Conditioning, Manual Drive Train and Axles, and Automatic Transmissions.

The curriculum includes computer modules and simulator practice that coincides with each certification and hands-on training using donated and patron vehicles. Upon completion of the program, passing of the ASE tests, and one year of employment in the automotive repair industry, students would receive their ASE certifications.

Northland Pioneer College (NPC) Credit Students will receive:

ATO 116	Intro to Automotive Safety	2 credits
ATO 118	Electrical I	3 credits
ATO 120	Electrical II	3 credits
ATO 122	Electrical III	3 credits
ATO 124	Engine Repair	3 credits
ATO 126	Engine Repair II	3 credits
ATO 128	Engine Performance I	3 credits
ATO 130	Engine Performance II	3 credits
ATO 216	Suspension and Steering	4 credits
ATO 218	Automatic Transmission	4 credits
ATO 220	Manual Transmission	4 credits
ATO 222	Brake Systems	4 credits
ATO 224	HVAC Systems	4 credits
ATO 226	Automotive Diesel	4 credits

Students rotate through the following courses over a four-semester sequence in which the exact order varies each year.

Periods that the class will meet:

- Classes will be taught at NPC, Show Low, 7:45 to 10:45 a.m. Monday through Friday.
- District transportation will pick up students in front of the Cafeteria at Snowflake High School at 7:15 a.m. The bus will pick up students at NPC at 11:00a.m. and return students to Snowflake High School by 11:35 a.m.

Automotive Technology Program credits may be applied toward a Certificate of Applied Science or an Associate of Applied Science Degree at Northland Pioneer College.



Energy and Industrial Technician (formerly Mechatronics) Off-Campus Program - Holbrook

EIT I, II – (for Juniors/Seniors, 4 credits High School)

EIT III, IV– (for Seniors, 4 credits High School)

Our Energy and Industrial Technician class is located in Holbrook. At this time we do not provide transportation to this program.

NPC's **Energy and Industrial Technician (EIT)** program prepares students to be **technicians, operators and maintenance workers** capable of understanding the entire industrial system within which they work. Core courses cover a range of complex related **mechanical, pneumatic, hydraulic, electrical, thermal and sensory control systems** in an ever changing industrial or energy production environment.

Northland Pioneer College (NPC) Credit Students will receive:

1st Semester

EIT 100 – Intro to Mechatronics	4cr.
EIT 130 – Industrial Electrical Systems	4 cr.
EIT 160 – Rotating Electrical Machines	4 cr.

Semester 2

EIT 120 – Industrial Mechanics I	6 cr.
EIT 150 – Industrial Mechanics II	6 cr.

Semester 3

EIT 140 – Intro. to Programmable & Instrumentation	4 cr.
EIT 220 – Advanced Programmable Logic Controllers	4 cr.
EIT 205 – Process Control & Instrumentation	4 cr.

Semester 4

EIT 200 – Robotics & Motion Control	4 cr.	
EIT 235 – Integrated Manufacturing Systems	3 cr.	
EIT 241 – Hydraulic Troubleshooting	4 cr.	Total: 46 credits

*****OTHER CLASS SUPPLIES REQUIRED. SEE NAVIT CAREER TECH FOR LIST*****

Periods that the class will meet:

- Classes will be taught at PDC, Holbrook, 8:00 to 11:00 a.m. Monday through Friday.
- Students must provide their own transportation to and from the program.

Energy and Industrial Technician credits may be applied toward a Certificate of Applied Science or an Associate of Applied Science Degree at Northland Pioneer College.



FIRE SCIENCE Off-Campus Program - Taylor

FIRE SCIENCE I, II (Seniors Only, 4 credits High School)

The Fire Science program, in cooperation with the State Fire Marshal's Office and the fire departments throughout the NAVIT district train fire department personnel in firefighting operations and the use of equipment. The firefighter is an indispensable asset to the small and rural communities within the district. Those persons seeking career opportunities should understand that a greater number of jobs exist in all metropolitan and suburban areas of the state as well as the nation.

Employment areas related to firefighting include fire inspectors, arson investigation, fire prevention specialists, insurance investigators, hazardous material specialists, business/industry fire protection system engineers, etc.

Periods that the class will meet:

- Classes will be taught at NPC, Taylor, 7:40-10:40 a.m. Monday through Friday.

Northland Pioneer College (NPC) Credit Students will receive:

1st Semester		2nd Semester	
FRS 103 Firefighter I	10 cr.	FRS 105 Firefighter II	4 cr.
FRS 126 Rope Rescue I	1 cr.	FRS 110 HazMat. For First Responder	2 cr.
FRS 127 Rope Rescue II	1 cr.	FRS 139 Confined space Operations	3 cr.
FRS 128 Rope Rescue III	1 cr.	FRS 201 Fire Protection Systems	3 cr.
FRS 130 Incident Command System	1 cr.	FRS 208 FRS 208 Principles of Fire & Emerg	3 cr.
FRS 150 Wildland Firefighter	2 cr.		
FRS 203 Fire Prevention	3 cr.		

Fire Science Program credits may be applied toward a Certificate of Applied Science or an Associate of Applied Science Degree at Northland Pioneer College.

Periods that the class will meet:

- Most Classes will be taught at SCC, Snowflake, 8:00 to 11:00 a.m. Monday through Friday.
- Classes will be held at the NPC Jake Flake Emergency Services Training Center in Taylor.
- Students must provide their own transportation to and from the program.

*****OTHER CLASS SUPPLIES REQUIRED. SEE NAVIT CAREER TECH FOR LIST*****

STUDENTS MUST TAKE AN ENDURANCE TEST BEFORE QUALIFYING FOR THE PROGRAM. SEE NAVIT REPRESENTATIVE FOR TESTING DATES.



HAIRSTYLING (FORMERLY COSMETOLOGY) Off-Campus Program-Show Low

Prerequisite: Completion of 10th grade or Equivalent
1 Math
1 Science
2 English
2.6 unweighted GPA

COSMETOLOGY I, II – (for Juniors/Seniors, 4 credits High School)

COSMETOLOGY III, IV (for Seniors, 4 credits High School)

Students will learn skills such as: shampooing/conditioning/deep condition, hair cutting, permanent waving, highlighting/coloring, and relaxing. In addition they will learn to braid, flat iron, curl, and design hairstyles. They will also have an introduction to nails and skin.

Related occupations include hair color specialists, texture specialist, cutting specialist, salon trainer, nail technician, cosmetology instructor, film or theatrical hairstylist and editorial, manicurist/pedicurist, skin care specialist, braid technician, and platform artist.

Students must complete the state requirement of **1,100 clock hours** in the **Hairstyling** classroom.

Students may opt to complete the Cosmetology program which has a state requirement of **1,600** hours. Students may use their Hairstyling hours toward their Cosmetology license.

Northland Pioneer College (NPC) Credit Students will receive:

First Year

1st Semester

2nd Semester

COS 142 Introduction to Hair Care	6 cr.	COS 145 Law & Ethics for a Beauty Professional	3 cr.
COS 143 Introduction to Basic Skin Care	2 cr.	COS 146 Scientific Concepts I	3 cr.
COS 144 Introduction Basic Nail Care	2 cr.	COS 231 Advanced Hair Care I	3 cr.

Second Year

1st Semester

2nd Semester

COS 107 Business Skills I	3 cr.	COS 108 Business Skills II	3 cr.
COS 232 Advanced Hair Care II	3 cr.	COS 233 Advanced Hair Care III	3 cr.
COS 147 Scientific Concepts II	3 cr.	COS 240 Prepare for Licensure	2 cr.

*****OTHER CLASS SUPPLIES REQUIRED. SEE NAVIT CAREER TECH FOR LIST*****

Periods that the class will meet:

- Classes will be taught at NPC, Show Low, 8:00 to 11:00 a.m. Monday through Friday.
- Transportation will pick up students behind the SHS cafeteria at Snowflake High School at 7:15 a.m. The bus will then pick up students at NPC at 11:00a.m. And return the Snowflake High School by 11:35 a.m.

Student's personal costs for the program: Students must pay a \$400 deposit for cosmetology and supplies which can be reimbursed upon completion of the State Board Exam.

Hairstyling/Cosmetology Program credits may be applied toward a Certificate of Applied Science or an Associate of Applied Science Degree at Northland Pioneer College. Completion of Certificate of Proficiency prepares students to meet the state licensure examination requirement.



MEDICAL ASSISTANT Off-Campus Program

MEDICAL ASSISTANT I, II (for Juniors/Seniors, 4 credits High School)

MEDICAL ASSISTANT III, IV (for Seniors, 4 credits High School)

The Medical Assistant program provides training in basic anatomy, physiology, and medical terminology. Administrative training includes courses in software application, word processing, medical transcription, insurance billing and coding. In addition, students engage in laboratory training in phlebotomy, medication administration, electrocardiography, vital sign measurement, and preparation for physical and specialty exams. This program meets or exceeds the Arizona State Board of Medical Examiners training requirements (R4-15-301 and R4-16-302).

Northland Pioneer College (NPC) Credit Students will receive:

First Year

1st Semester

BUS 119 Medical Office Administrative Procedures	3 cr.
HES 145 Nutrition	3 cr.
HES 170 Medical Terminology	3 cr.
HES 101 (MAT101) Basic Technical Mathematics	3 cr.
HES099X NAVIT Lab	0 cr.

2nd Semester

HES 180 Basic Pharmacology	3 cr.
HES 190 Human Body in Health and Disease	4 cr.
HES099X NAVIT Lab	0 cr.
BUS 183 Electronic Medical Records	3 cr.

Second Year

1st Semester

BUS 231 Microsoft Office Level I	3 cr.
MDA 124 Clinical Procedures I	5 cr.
HES099X NAVIT Lab	0 cr.

2nd Semester

HES 120 Law & Ethics of Health Care Professionals	3 cr.
MDA 125 Clinical Procedures II	5 cr.
HES099X NAVIT Lab	0 cr.
EMT 104 CPR & First Aid	.5 cr.

Periods that the class will meet:

- Some classes will be taught at NPC, Show Low, 8:00 to 11:00 a.m. Monday through Friday.
- Some classes will be taught at SCC, Snowflake, 8:00 to 11:00 a.m. Monday through Friday.
- District transportation is available for Show Low classes. Students must provide their own transportation to the SCC campus.

Medical Assistant credits may be applied toward a Certificate of Applied Science or an Associate of Applied Science Degree at Northland Pioneer College.



NURSING ASSISTANT Off-Campus Program - SCC

NURSING ASSISTANT (for Seniors only, 4 credits High School)

This course will qualify the student for State Nurse Registry Status. Students will receive extensive instruction theory, and internship training at local health care facilities.

Northland Pioneer College (NPC) Credit Students will receive:

HES 170 Medical Terminology	3 cr.
NAT 101 Nursing Assistant	5 cr.
HES 145 Nutrition	3 cr.
EMT 104 CPR & First Aid	.5 cr.

Periods that the class will meet:

- Most Classes will be taught at NPC, Snowflake, 8:00 to 11:00 a.m. Monday through Friday.
- Students must provide their own transportation to and from the program.

Clinical will start half way through the semester. They are usually in Snowflake and Show low or Pinetop.

Students must get a TB test and fingerprint card before starting the program

OTHER CLASS SUPPLIES REQUIRED. SEE NAVIT CAREER TECH FOR LIST



WELDING Off-Campus Program – Show Low

WELDING I, II (for Juniors/Seniors, 4 credits High School)

Introduction to welding course. Students learn basic welding safety and basic arch and acetylene welds and apply their skills to district projects and can choose personal projects after they pass off their basic welds.

WELDING III, IV (for Seniors, 4 credits High School)

The Welding Program is designed to teach incremental levels of welding skills and prepare students to test for national certifications such as AWS Entry Level Welder and NCCER Level I Entry and Level II Advanced Welder certification. Students will also be prepared to test for specific welding code applications such as AWS, API and ASME Sec IX certification.

Each certificate acknowledges acquired skills in various forms of welding, cutting, base metal preparation, welding inspection, safety and metallurgy.

Credits students will receive from NPC: Each level is a one year long program. This is a one or two year program.

First Year	2 semesters	Second Year	2 semesters
Level I Entry Level Welder	total 19 cr.	Level II Advanced Welder	total 26 cr.
WLD 100 Safety & Math	2 cr.	WLD 280 GMAW Pipe	3 cr.
WLD 170 Metal Preparation, Quality & Alignment	2 cr.	WLD 281 FCAW Pipe	3 cr.
WLD 171 Welding Cutting Processes	2 cr.	WLD 282 GTAW CS Pipe	3 cr.
WLD 172 SMAW Arc	3 cr.	WLD 283 GTAW LA and SS Pipe	3 cr.
WLD 173 SMAW Open Root Plate	2 cr.	WLD 284 SMAW CS Pipe	3 cr.
WLD 174 SMAW V-groove with Backing	2 cr.	WLD 179 AWS Prep	2 cr.
WLD 175 GMAW Plate	3 cr.	WLD 200 AWS Certification	4 cr.
WLD 176 FCAW Plate	3 cr.	WLD 134 Fundamentals of Plastic Welding	3 cr.
WLD 177 GTAW (TIG) Plate	3 cr.		
WLD 178 Metallurgy, Drawing & Symbols	2 cr.		

Periods that the class will meet:

- Classes will be taught at NAVIT Welding Shop, 1230 West Thornton, Show Low, 7:45 to 10:45 a.m., Monday through Friday
- Transportation will pick up students behind the Cafeteria at Snowflake High School at 7:15 a.m. The bus will pick up students at NPC at 11:00a.m. and return students to Snowflake High School by 11:35 a.m.
- The NAVIT program will pay tuition and fees for the class
- NPC and NAVIT will provide the text, supplies, and Equipment

Welding credits may be applied toward a Certificate of Applied Science or an Associate of Applied Science Degree at Northland Pioneer College.



AGRISCIENCE On-Campus Program

Snowflake Agriculture Science Program:

Course Work in each class is 80% of a student's grade. Coursework will be explained below. Each class is required to do the following:

FFA - The FFA is a national organization that all FFA members/students in the Ag program have the opportunity of joining. The Ag Program and the FFA teach students about Premier Leadership, Career Success and Personal Growth while using agriculture and the agriculture industry as the basis of the course programs. Leadership activities include meetings, competitions in Career Development Events, community service activities. FFA is 10% of grade.

SAE - students have the opportunity to raise plants and animals at home, build items, hold down jobs, research Ag related topics, conduct science fair experiments and much more all while keeping track of hours related to their project(s), income and expenses. Students can even start a business. All students will keep track of their records in the AET record book. 10 % of grade.

Intro to Agri-Science NAV 701 – Level I \$30 class fee (Freshman and First Year Sophomores)

Introductory level class that introduces students/FFA members to the Agriculture Industry, Careers and Agriculture as a whole. This class covers the history of agriculture, an introduction into the FFA, leadership, CDE/LDEs and FFA membership and its benefits, introduction into the SAE and the record book. It also covers Natural Resource Management, Introduction to Plant and Animal sciences and shop safety. CASE and ICEV Curriculum. This class is required for all Ag Classes.

Agriculture Mechanics

Intro to Ag Mechanics NAV 917 - Level II \$30 class fee (Sophomores and Up)

This is an entry level Ag Mechanics Course that introduces students to the Agriculture Shop. This class covers intense shop safety, welding (arc and MIG), electricity, plumbing, tool ID and Project Planning. ICEV Curriculum

Alternates with:

Advanced Ag Mechanics NAV 918- Level III \$30 class fee (Juniors and Seniors)

Students continue their Ag Mechanics training, branch out into more project planning, learn more aspects of ag Mechanics in welding, concrete, surveying, solar and alternative energy systems, Power Systems, Small Gas engines and start researching careers and job placement.



Plant Sciences and Aquaculture

Plant Science and Aquaculture NAV 803 - Level III – \$30.00 class fee (Sophomores and up)

This class covers all aspects of the plant science industry, agriculture issues and career opportunities. Introduces students to plant ID, plant management, nutrition, propagation and care, pest management, biotechnology and marketing. Students also learn about alternative uses of plants and Natural Resource Management. Students will also be introduced into Aquaculture and fish management, fish ID, care, nutrition and harvesting. Marketing plant and fish products.

Alternates with:

Floriculture and Food Science NAV 921 - Level III - \$30 Class Fee (Sophomores and up)

This course introduces students to the combined fields of Floriculture and Food Science. They will learn intensive plant ID, how to create and market floral arrangements, how to manage a floral shop and the business of Floriculture. Students will also work to create and market Floral sales for the FFA. They will also learn the aspects of the Food Science industry, how to safely manage food items and the safety aspects of food production, management and businesses. Students will also learn about product creation and nutrition and work to develop and market candy grams for the FFA.

Animal Science Path

Animal Science - Level III NAV 804 - \$30 Class Fee (Sophomores and up)

This class covers all aspects of large and small animal management from the ground up. Students design facilities, learn about animal breeds, terms, selection and marketing. Then they learn about various rations, nutritional needs and feed ID. Students will also learn about health and reproductive management in animals. Students complete the course with a mock livestock/animal operation that they develop throughout the year.

Alternates with:

Horse and Vet Science NAV 802- Level III - \$30 Class Fee (Sophomores and up)

This class introduces students to the Vet Science industry and Horse Management. Students learn the medical terminology and horse terms, body systems, health care, procedures, medicine use and ID, animal handling, office management and safety, equipment ID, careers and issues.



BUSINESS MANAGEMENT & ADMINISTRATIVE SERVICES On-Campus Program

This program is designed to provide a student with prerequisite and standard courses that will lead to a Bachelor's degree at the university level. Majority of class time will be spent in a lab environment.

- Students will learn about our economy as it relates to business, how businesses operate, and some basic personal finance including credit.
-
- Employment skills, work-place preparation, problem solving, communication skills and the use of computer technology to support business operations are integrated into the curriculum.
- Training in time management, interoffice work skills, communication processes, customer relations, management principles and employment skills will be included.

BUSINESS MANAGEMENT AND MARKETING I (INTRO) – NAV 699 (for Freshmen)

7 Habits of Highly Effective Teens
Stock Market

BUSINESS MANAGEMENT AND ADMINISTRATIVE SERVICES II – NAV 722 (for Sophomores)

Intro to Business-
Organizational Behavior
Professionalism
Customer Service

BUSINESS MANAGEMENT AND ADMINISTRATIVE SERVICES III – NAV 805 (for Juniors)

Small Business Management
Entrepreneurship
Bookkeeping ("Quickbooks" & Dual Entry Accounting)

BUSINESS MANAGEMENT AND ADMINISTRATIVE SERVICES IV – NAV 806 (for Seniors)

Marketing
Management
Business Writing
Business Grammar



CONSTRUCTION TECHNOLOGY On-Campus Program

CONSTRUCTION TECHNOLOGY I (INTRO) – NAV 707 - \$30 Class Fee (for Freshman, 1/2 credit)

Students will learn about construction and the different fields and effects on the world. How construction started and how construction is today. Students will also learn to design and understand blueprints and basic building techniques.

CONSTRUCTION TECHNOLOGY II – NAV 726 - \$30 Class Fee (for Sophomores, 1 credit)

Construction tech. students will complete the National Center for Construction Education and Research Core Curriculum. This is the national standard on basic safety. Students will be building small projects that will help them become familiar with the tools of the construction trade. And have the pre-training necessary to begin the Construction Technology program during their junior/senior years.

CONSTRUCTION TECHNOLOGY III – NAV 815 - \$30 Class Fee (for Juniors, Seniors 1 credit)

Architecture: Residential Drafting & Design is under CONSTRUCTION TECHNOLOGY III - NAV -(for any grade, 1 credit)

Provides the basic information necessary for planning various types of residential dwellings. It presents basic instruction in preparing architectural working drawings using computer-based software. Also, you will build the necessary technical skills to communicate architectural ideas in an understandable, efficient and accurate manner.

CONSTRUCTION TECHNOLOGY IV – NAV 816 - \$30 Class Fee (for juniors, Seniors 1 credit)

The Construction Technology Program will use the National Center for Construction Education and Research (NCCER) curriculum to train the certify students in construction skills in areas such as: safe working environment, safe use of tools and equipment, legal and ethical issues, ability to read and apply construction drawings and codes, site layout, concrete, and masonry, floor layout, framing, electrical, roofing, installation of doors, windows and application of finish and trim work.

Communication skills, business management, leadership skills, decision making capabilities, job search skills and other construction related skills will be integrated into the course. Majority of class time will be spent in a lab environment.



FILM AND TELEVISION On-Campus Program

Film and Television I –NAV 703 (Intro to Interactive Digital Media)

Majority of class time will be spent in the lab environment

Freshmen

Film and Television II –NAV 723

Sophomores (required for Film and Television II)

- Analyze the Media Industry
- Investigate Intellectual Property
- Demonstrate Verbal and Nonverbal Communication
- Demonstrate Written Communication
- Utilize Computer Applications to Manage Media
- Apply Knowledge of data capture & manipulation

Film and Television III – NAV 830

Juniors (required for Film and Television III)

- Pre-production
- Production
- Post -production
- Delivery/Distribution
- Quality Assurance
- Presentation

Film and Television IV – NAV 831

Seniors Broadcasting

- **Project Based**
 - **Classroom**
 - **School**
 - **Community**
 - **Business & Industry**
 - **Portfolio Assessment**



GRAPHIC DESIGN On-Campus Program

Graphic Design I (INTRO) – NAV 699 - \$30 Class Fee (for Freshmen, 1 credit)

Students will update their four-year plans, learn employability skills, participate in career research, complete pre-assessments of skills necessary for success in their (career) program of choice, and **begin** applicable cluster skills.

Graphic Design II – NAV 724 - \$30 Class Fee (for Sophomores, 1 credit)

Students will continue learning skills in their chosen (career) program and continue to participate in the Skills USA organization.

Graphic Design III – NAV 810 - \$30 Class Fee (for Juniors, 1 credit)

Graphic Design IV – NAV 811 - \$30 Class Fee (for Seniors, 1 credit)

Graphic Design III – Students will learn elements of design, have drawing exposure and experience various art advertising styles. Students will have the opportunities to create layouts, design projects and practice basic art elements and use a variety of art media. This course refines skills learned in the communication technology cluster pathway and stresses portfolio production. Sign painting, auto graphics, painting and drawing, crafts and installation of art shows are a few of the areas included. Computer-generated artwork is part of the curriculum.

Graphic Design IV – Students will continue to improve their art skills in Graphic Design II. Computer generated art, product fabrication and more use of sophisticated art media will be integrated into this course. Students will have opportunities to participate in commercial art situations. Students will practice airbrush application and techniques, airbrush maintenance and repair, and explore compatible media. They may include textiles, canvas, metal and commercial applications. Students will master dagger strokes, fades, straight lines as well as hard and soft line edges. Students will understand particular attributes of airbrushes and airbrush supplies and be able to choose the correct airbrush tools for specific applications. Students will be able to estimate costs of materials and time required for projects. Students will be encouraged to participate in art shows and develop business opportunities for their artwork.

Majority of class time will be spent in the lab environment.



INFORMATION TECHNOLOGY On-Campus Program

INFORMATION TECHNOLOGIES I (INTRO) – NAV 708 (FRESHMEN)

INFORMATION AND SCIENCE TECHNOLOGIES II – NAV 729 (for Sophomore, 1 credit)

Students will update their four-year plans, learn employability skills, participate in career research, complete pre-assessments of skills necessary for success in their (career) program of choice, and **begin** applicable cluster skills.

INFORMATION AND SCIENCE TECHNOLOGIES III – NAV 825 (for Juniors, 1 credit)

Students will continue learning skills in their chosen (career) program and continue to participate in the Skills USA organization.

INFORMATION TECHNOLOGY IV – NAV 826 (for Seniors, 1 credit)

Students will learn computer hardware and software and network technologies to prepare them to take the following national certifications: COMPTIA A+, N+, Server +, UNIX +, and CCNA.

The Senior Information Technology students will also be actively involved in the Radio/Audio Studio and provide technical support for the Studio's school-based business.



LAW & PUBLIC SAFETY On-Campus Program

LAW & PUBLIC SAFETY I (INTRO) – NAV (FOR 10TH-12TH GRADERS)

LAW & PUBLIC SAFETY II – NAV

If you are interested in any field of criminal justice (FBI, law enforcement, forensic science, military police, probation officer, prison guard, etc) I suggest you take one of these courses. Even if you are not interested in a career in criminal justice this would still be a great elective to take for your own personal knowledge.

More information coming soon...



COMPUPOWER On-Campus Program

COMPUPOWER – NAV

This course will help students improve their leadership and technology skills. This class is a technology based leadership class that allows students to work within their community to make a change. It uses a wide variety of technology to help students build up their leadership knowledge by using their investigating and promotion skills. Students will also be using technology items such as digital journals, video/audio/photo editing, and web design

More information coming soon...