

**Nogales High School
2014-2015
Course Description Book**



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TABLE OF CONTENTS

Mission Statements	page 3
NUSD #1 Compliance Statement, Mission Statement	
Governing Board Goals	
NHS's Core Beliefs, Theme and Motto	
Overview	page 4-7
Annual Public Notification of Nondiscrimination	
Registration Information / Selecting a Program of Study	
Graduation Requirements	
Course Enrollment / Credits	
Credit Transfers / Credit by Examination / Credit Retrieval	
Class Rank / GPA	
Community College / University Requirements	
Class Rank / Grading / Weighted / Non-Weighted GPA	
Student Grade Classification	
Air Force Junior Reserve Officer Training Corps (AFJROTC) / CTE ...	page 8
Career and Technical Education (CTE).....	page 8 - 14
(Career Exploration, Business; Family and Consumer Science; Trade and Industrial Technology; Graphic Communication; Information Technology; Medical Careers; and Cosmetology Program).	
Electives.....	...page 14 - 15
English.....	page 15 - 16
English Language Development (ELD).....	page 16 - 17
Fine Arts.....	page 18 - 23
(Art and Ceramics, Drama, Music – Mariachi, String, Piano and Choir Programs)	
Mathematics.....	page 23 - 25
Modern Languages.....	page 25 - 27
(Spanish, French)	
Physical Education.....	page 27 - 28
Resource/Special Education.....	page 28 - 32
Science.....	page 32 - 33
Social Studies.....	page 34 - 35
Honors Program.....	page 35 - 41
(Honors Diploma, Advanced Placement, and International Baccalaureate Programs, General Overview, Unique Characteristics, IB Curriculum, Honors/AP/IB Courses, Four Year Plan)	
Honors / AP / IB Course Descriptions.....	page 41 - 53

NUSD #1 Compliance Statements

The Nogales Unified School District affirms that it does not discriminate on the basis of race, color, national origin, gender, age, or disability in access of admission to success or treatment in any of its educational programs, activities or employment opportunities. NUSD #1 affirms that it is in compliance with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1967 as amended in 1978 and 1986, and the Americans With Disabilities Act of 1990; in addition, a lack of English Language skills shall not be a barrier to admission or acceptance into any program, including Career and Technical Education.

DISTRICT MISSION AND BELIEF STATEMENT

By working together, within a positive environment, all students will be successful, responsible, culturally appreciative, critical thinkers now and through the 21st century.

- Goal #1: Nogales Unified School District #1 will receive an A label pursuant to AZ LEARNS.
- Goal #2: NUSD will provide a safe learning environment for students.
- Goal #3: NUSD will increase the number of students who are meeting and exceeding in reading and math as measured by AIMS by 5% at each grade level.
- Goal #4: NUSD will provide all students with access to effective, highly qualified teachers and principals through equitable distribution in order to close achievement gaps.
- Goals #5: NUSD will improve the partnership with parents by increasing the types and number of opportunities for communication between parents and schools.

Nogales High School's Core Beliefs

- To be prepared for future challenges, all learners need to acquire knowledge and develop skills for lifelong learning as productive citizens.
- Our challenge is to identify and develop learner potential and to maintain high expectations and standards.
- Students are expected to bring willingness to the classroom.
- Responsible citizenship requires ethical behavior.
- The richness of diversity- multicultural and individual- inherent in our district provides students with knowledge and/or respect for all individuals and cultures.
- Learning is a challenge that requires the persistence, dedication and commitment to excellence of all participants.

Nogales High School's Theme

Raising Student Achievement

Nogales High School's Motto

Buckle Up

OVERVIEW

Annual Public Notification of Nondiscrimination

Nogales Unified School District #1 does not discriminate on the basis of race, color, national origin, gender, age, or disability in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of their operations. The **Nogales Unified School District #1** Career and Technical Education department does not discriminate in enrollment or access to any of the programs available. The **Nogales Unified School District #1** also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with Disabilities Act of 1990. Questions, complaints, or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator(s):

Yvette Favela, Assistant Principal, Nogales High School, 1905 N. Apache Blvd. Nogales AZ 85621 (520) 377-2021

Notificación de No Discriminación

El Distrito Escolar Unificado #1 de Nogales no discrimina por motivo de raza, color, nacionalidad, género, edad, o incapacidad de admisión a sus programas, servicios, o actividades, en acceso a ellas, en el trato a individuos, o en ningún aspecto de sus operaciones. El departamento de Educación Técnica y de Carreras del Distrito Escolar de Nogales no discrimina en su matrícula o en el acceso a cualquiera de sus programas disponibles. El **Distrito Escolar Unificado #1 de Nogales** tampoco discrimina en sus contratos o prácticas de empleados.

Esta noticia es provista y requerida por el Título VI del Acto de Derechos Civiles de 1964, Sección 504 del Acto de Rehabilitación de 1973, Título IX de la Enmienda Educativa de 1972, en el Acto de Era de Discriminación de 1975, y el Acto de los Estadounidenses con Habilidades Diferenciadas de 1990. Preguntas, quejas, o para más información con respecto a estas leyes pueden remitir por al coordinador de compliance. **Yvette Favela, Subdirectora, Nogales High School. 1905 N. Apache Blvd, Nogales AZ 85621 (520) 377-2021**

Registration

Registration of 8th grade students for the 9th grade will occur during the month of February at the student’s respective middle school. Freshmen, Sophomores and Juniors will register during January. Registration procedures will be explained by the high school guidance counselors. All questions about specific course offerings and graduation requirements should be directed to your classroom teacher, guidance counselor or the Honors program coordinator.

Selecting a Program of Study

In selecting a program of study, the student should consider his/her previous work, present interests, abilities, and future job / university opportunities available. If a student plans to go to college /university, it is strongly recommended that qualifications and courses required for admission to the particular college, university, community college, technical school, or vocational school of his/her choice be identified. The final high school course selection should be the result of a carefully planned program leading to a definite end. After the program has been selected, it should not be changed without consultation of the student’s guidance counselor and without the consent of his/her parents.

Graduation Course Requirements:

	NHS	University
English	4	4
Mathematics	4	4
Science	3	3
History	3	2
World History/Geography	1	1
US/AZ History	1	1
US/AZ Govt. / Economics	1	1
Spanish	1	2 (same foreign language)
Fine Arts or CTE	1	1
Physical Education	1	
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Required Courses	17 Core Courses	16 Core Courses
Elective Courses	5 Electives	6 Electives
Required Credits	22 H.S. Diploma	22 H.S. Diploma

Other NHS graduation requirements:

- Senior Exhibition
- Meet or Exceed on AIMS
- Writing, Reading and Math

Course Enrollment / Credits

All students are required to enroll in six (6) credit hours for four (4) years. Seniors may be excused from this requirement and take four (4) or (5) classes if they have eighteen (18) or more credits, and have passed all 3 sections of the AIMS tests. Credit earned at Nogales High School will be granted to students for:

- a. Successful completion of course which meets a minimum of fifty minutes daily, five days a week, for at least 36 weeks, or equivalent amount of time within the school year.
- b. Successful completion of an identified course at a pre-determined competency level independent of a time specified requirement.

All courses listed are a full year (1 credit) unless specified otherwise in the course description book.

Transferring of Credit

Course work taken in a summer school other than Nogales High School must be approved by the senior guidance counselor and principal before it can be considered for credit towards graduation at Nogales High School. Course work from accredited institutions is accepted.

Course work from non-accredited institutions is not accepted

Summer school transfer course work receives credit but is not included in the student's GPA. Students receive a **P** grade for a passing grade and it is not calculated in GPA. Coursework taken through correspondence may be applied toward high school graduation upon approval of the accrediting school by the guidance counselor and Principal prior to enrollment. A limit of 3 credits (1 English, 1 Math, 1 Science, 1 Social Studies) through correspondence will be granted. These courses are for credit only; they will not figure into GPA.

Course work taken through any university or junior college for high school graduation must be approved by the senior guidance counselor **and** principal **prior** to enrollment or it will not be accepted for High School Credit. Only a total of 3 credits are transferrable. These courses are for credit only; they will not figure in the GPA. **(Exception to above: Cochise / Pima classes taken as part of dual enrollment program at Nogales High School will be counted as regular NHS classes as well as giving student's credit at the respective college.)**

Students who enroll in AP/IB courses will receive high school credit upon meeting course objectives. College credit may be granted by universities if a score of 3, 4, or 5 is earned on AP examinations or a score of 4 to 7 on IB Higher Level Examinations. NOTE: The number of credits awarded will vary according to individual college policies.

Community College / University Requirements

The requirements for community college, college/university entrance differ with the various schools and are constantly changing. Students, therefore, are urged to be aware of the entrance requirements of the college/university they plan to attend upon graduation from high school. This information may be obtained directly from the college/university the student has in mind or from the student's guidance counselor.

Notes: GPA's are recalculated on a 4.0 scale by universities for admission with grades received in the 16 core required classes.

ACT or SAT examination is required for admission to all state universities. It is recommended that students take both exams during their junior and senior years.

Approximately 85% of all universities take the higher score. It is recommended that students take the PSAT as a junior for qualifying score for National Merit Scholarships.

Class Rank

To qualify for Valedictorian / Salutatorian, a student must attend NHS during the 5th, 6th and 7th semesters. The student with the highest cumulative GPA at the end of the 7th semester will be Valedictorian; the student with the second highest cumulative GPA at the end of the 7th semester will be Salutatorian.

Grading

A grade of "P" may be given only for Student Aides, Special Needs Students, or students who cannot meet regular standards due to highly unusual circumstances. All other grades are: A, B, C, D, F, or I. Teachers will change an "I", or "Incomplete", to an "F" two weeks after the grading period if course requirements are not met to satisfaction of the instructor.

Weighted and Non-Weighted Grade Point System

Honors, Advanced Placement (AP), and International Baccalaureate (IB) courses are calculated on a weighted system, computed as follows: A=5, B=4, C=3, D=1, F=0. This process will encourage student enrollment in academically rigorous courses and will influence overall high school GPA and class rank. Students taking college prep course work beyond the minimum admission standard will:

- Strengthen preparation for college admission exam.
- Develop strong academic skills.
- Have a higher probability of acceptance into competitive majors and universities.

Dropping Classes / Change of Schedule

Classes selected by the student are final unless a change is made by the Principal or the guidance counselor. Class assignments are based on class enrollment, so the student is not guaranteed his / her first preference.

Even with careful planning, at times it may be necessary to request a schedule change. Schedule changes will be made during the first 2 weeks of each semester, before or after school. Schedule change requests made during the first 2 weeks of a semester will allow students to add or drop classes with no loss of a semester credit. Students who drop **after** the second week will not receive credit and will earn an **F** for the semester, unless authorized by the Principal. If the credit is approved, the grade will be figured into the student's class standing average.

Independent Study (Juniors and Seniors ONLY)

Students who cannot take a class during the regularly scheduled period, except for electives can get permission to take a course independently. Approval must be acquired no later than two weeks into the semester. Students can take one (1) course per semester or two (2) courses if there are conflicts with scheduling as determined by counselor. Principal's approval is required before the course can begin. Students may get more information from their guidance counselor.

Retaking a Course

When a student re-takes a course to improve his or her grade, the higher grade will be counted in the students GPA. The lower grade will be changed to "GR" (Grade Replacement) and the ½ credit will be erased. A student must declare in writing that he or she is retaking a class to improve a grade before he or she takes the class and with prior guidance counselor and Principal approval. This must be filed at the beginning of the semester in the Registrar's Office. Limit to 3 semesters throughout course work at NHS.

Student Grade Classification

The following credits are required by the beginning of the school year, in order for a student to move up to the next grade classification:

10th	5
11th	11
12th	16

AFJROTC COURSE COMPONENT DESCRIPTION 2014-2015

AFJROTC 310 - AFJROTC Exploring Space (9, 10, 11, 12) 1 credit

AFJROTC 310 is divided into three distinct components – aerospace science, leadership, and health and wellness. In aerospace science, students will study the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. They will learn about the Earth, Moon, Sun, Solar System, and stars. They will understand the value of entering space via manned and unmanned means. The leadership curriculum uses military style models to instill the Air Force core values of integrity, service, and excellence. Students study citizenship, character building, Air Force traditions, communication awareness, personal development, and conflict resolution. Health and Wellness focuses on physical conditioning and uses the President’s Physical Fitness Challenge as a measure with emphasis on individual improvement.

AFJROTC 311 - AFJROTC Honors Exploring Space (9, 10, 11, 12) 1 credit

AFJROTC 311 is an optional honors class. Senior Aerospace Science Instructor approval is required. This class uses the same text as AFJROTC 310. Honors students will help teach the classes, do detailed research on the Solar System, and become subject matter experts on the impact of space exploration and the roll it serves in national defense. They will write the cadet handbook to include cadet: goals, organizational structure, program expectations, opportunities, and promotion criteria. They will be flight commanders, element leaders, and serve on the cadet group staff.

AFJROTC315 - AFJROTC Drill and Ceremonies (9, 10, 11, 12) 1 credit

Students enrolled in AFJROTC 315 must be concurrently enrolled in either AFJROTC 310 or AFJROTC 311. Text is the AFJROTC Drill and ceremonies Manual. Students will learn customs and courtesies, flag honor, drill positions and marching movements, how to lead a flight and squadron, how to conduct color guards, parades, and retreats.

Career and Technical Education Department – CTE

CAREER EXPLORATION

CTE100 – High School Success/ Career Exploration & Preparation (9) 1 credit

This class introduces students with the States’ Career Clusters (Agriculture, Food, Education Training, Business Management, Finance, Health Services, etc.) as well as providing opportunities for instruction supported by a flexible learning environment, appropriate technology, and support systems. Students will explore careers and attain academic and technical skills in the following foundational areas: Problem Solving and Critical Thinking, Informational Technology, Safety, Health and Environmental, Leadership and Teamwork, Ethics and Legal Responsibilities, and Employability and Career Development. Students will learn the correct way of keyboarding.

BUSINESS PROGRAM

CTE200 – Introduction to Business Management (9, 10, 11, 12) 1 credit
May be taken as an Honors Class

Students will explore careers and research job opportunities. Students will learn small business components, business letters, spreadsheets, charts, law, business ethics, management, and accounting practices.

Requisites for Honors Classification: Students must be enrolled in two other Honors classes and join Future Business Leaders of America (FBLA). Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE300 – Basic Business Management & Administrative Services Fundamentals 1 credit
Prerequisite: CTE 200 (10, 11, 12)
May be taken as an Honors Class

Students will learn the skills necessary to prepare for a future career. Topics to be covered include written and oral communication, financial management, leadership development, human resource functions, general office functions, accounting practices, decision-making, develop job search skills, and investigate careers. Students will also develop their computer skills in word processing, spreadsheets, presentation software, and internet use. Students will complete a work-based simulation in class which will allow them to experience on-the-job training. Students will also work the school store to practice and master managerial and customer service skills.

Requisites for Honors Classification: Students must be enrolled in two other honors classes and join Future Business Leaders of America (FBLA). Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

FAMILY AND CONSUMER SCIENCE PROGRAM

CTE315- Early Childhood Fundamentals – (Block) (11, 12) 1st Semester 1 credit
This course is designed to prepare students to understand the physical, mental, emotional, and social growth and development of children.

CTE415- Early Childhood Education Applications – (Block) (11, 12) 2nd Semester 1 credit
Prerequisite: CTE 315
Students who complete both CTE 315 and CTE 415 and pass the CTE state assessment will receive a certificate of employability in Early Childhood Education.

This course is designed to prepare students to understand the physical, mental, emotional, and social growth and development of children with work site experience at the district’s elementary schools and participate in the student organization FCCLA units. This is a teacher preparation class.

CTE313 – Culinary Principles (10, 11) Lab Fee 1 credit
May be taken as an Honors Class

This program is designed to give students the technical knowledge required for the food service industry. Students will be taught the skills of Communication, Kitchen Safety and Food Sanitation, Basic Nutrition, Foodservice Math, Measuring, Cooking Equipment and Methods. There will be some practical experience, mostly concerning the Baking processes. The students will also be involved with the skills associated with the student organization – FCCLA.

Requisites for Honors Classification: In addition to the regular classroom assignments, there will be a quarterly research paper. Students who want the Honors option will also have to be a

leader in the classroom, presenting different cooking techniques to the class and assisting in helping others with the different assignments. Students must also be enrolled in two other honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE413 – Culinary Applications (11, 12) Lab Fee 1 credit
This class may be taken for an additional hour 2 credits
May be taken as an *Honors Class*

May be eligible for dual enrollment to receive college credit: CUL107 Restaurant Sanitation
This program is designed for students who have successfully completed CTE313 and want to learn the advanced technical knowledge and skills required for many foodservice industry occupations. All of the skills taught in CTE313 will be reinforced.

The second hour will be dedicated to additional cooking experiences.

Requisites for Honors Classification: In addition to regular classroom assignments, there will be a research paper each semester. Students who want the Honors option will also have to be a class leader, presenting in the classroom and assisting others. Students must also be enrolled in two other honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE317 - Design and Merchandising I – (11, 12) Lab fee 1 credit
This class prepares students for employment in various Apparel Design, Production Careers, and Sales.

CTE417- Design and Merchandising II – (11-12) Lab fee 1 credit
Prerequisite: CTE 317

This class is for students who want to extend their knowledge in the field of Design and Merchandising. This class is designed for those students who want a challenge and will participate in the student organization FCCLA units. Students who complete CTE 317 and 417 and pass the CTE state assessment will receive a certificate of employability in Design and Merchandising.

CONSTRUCTION TECHNOLOGIES PROGRAM

CTE360- Cabinetmaking I (9, 10, 11, 12) 1 credit
May be taken as an *Honors Class*

Students will learn how to make Wooden Toys, Boxes, Cut-outs, Small Cabinets and more. Students will learn about the wonderful world of woodworking and how developing these skills relates to other subject areas such as Art, Architecture, Design, Economics, Engineering, Math, and Science and participate in student organization Skills/USA units.

Requisites for Honors Classification: The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation along with completing an appropriately challenging finished product of quality workmanship. An “Exit Test” from the Woodworking/Carpentry Industry may also be required. Students are only allowed in the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE459- Cabinetmaking II (11, 12)

1 credit

Prerequisite: CTE 360

May be taken as an *Honors Class*

This course is a continuation of Cabinetmaking I, but designed for the student who really wants a challenge. In depth study as well as attainment of precise skills in design, fabrication, assembly, and finishing are required as well as participation in class units in the student organization Skills/USA.

Requisites for Honors Classification: The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation along with completing an appropriately challenging finished product of quality workmanship. An “Exit Test” from the Woodworking/Carpentry Industry may also be required. Students are only allowed in the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

TRANSPORTATION TECHNOLOGIES PROGRAM

CTE323-Automotive Technology I (10, 11, 12)

Lab fee

1 credit

May be taken as an *Honors Class*

This course is designed to acquaint the beginning student with the basic operation of most Automotive Theory, using lecture, textbook, and hands-on work. Other items the students will learn are: Shop Safety and Electrical Systems and participate in student organization units with SkillsUSA Apache Auto.

Requisites for Honors Classification: The Honors portion of this class requires students to study the Theory of Operation of Component/Systems with an introduction into the basics of Automotive Engineering. An “Exit Test” from the Automotive Industry is also required. Students are only allowed in the Optional Honors portion of this class through the instructor’s invitation. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE421- Automotive Technology II (11, 12) (Block)

Lab fee

2 credits

Prerequisite: CTE 323

May be taken as an *Honors Class*

Advanced Auto Technology places emphasis on troubleshooting and repairing modern automobiles. Some of the items that will be covered include: Front-End Alignment, Equipment, Electronic Engine Analyzers, and Garage Business Practices like Writing Estimates, Pricing, and Computing Commissions and participate in student organization units with Skills/USA Apache Auto.

Requisites for Honors Classification: The Honors portion of this class requires students to study the Theory of Operation of Component/Systems with an introduction into the basics of Automotive Engineering. An “Exit Test” from the Automotive Industry is also required. Students are only allowed in the Optional Honors portion of this class through the instructor’s invitation. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

MULTIMEDIA PROGRAM

CTE226 Graphic Design Fundamentals (10, 11) Lab Fee 1 credit
May be taken as an *Honors Class*

This course includes units of instruction in all aspects of the industry, career development, applied math, safety, legal issues, customer service, basic computer and design skills, color management and preparing a portfolio for Graphic Communications Occupations.

Requisites for Honors Classification: The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE326- Graphic Design I (11, 12) 1st semester Lab Fee 1 credit
Pre-requisite CTE 226

2 Hour Block Class

May be taken as an *Honors Class*

This course includes units of instruction in applied visual arts that prepares the individual to use basic artistic techniques to effectively communicate ideas and information to business and customer audiences via illustrations and other forms of digital or printed media. Students will continue the development of the electronic and traditional portfolio.

Requisites for Honors Classification: The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE426- Graphic Design II (11, 12) 2nd Semester Lab Fee 1 credit
2 Hour Block Class

May be taken as an *Honors Class*

This course includes units of instruction in applied visual arts that prepares the individual to use basic artistic techniques to effectively communicate ideas and information to business and customer audiences via illustrations and other forms of digital or printed media. Students will continue the development of the electronic and traditional portfolio.

Requisites for Honors Classification: The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

LI230- Adobe (10, 11, 12) 1 credit

Students will learn publishing programs, printing, graphic design tools and digital photography skills. Students will learn basic layout and design, publishing, photography and creative writing. Students will work in groups in and out of class. It will require time outside of class for completing assignments. Students must use their own digital camera that has a minimum of eight megapixels.

INFORMATION TECHNOLOGY PROGRAM

CTE260 - Information Technology Fundamentals (9, 10, 11)

1 credit

May be taken as an *Honors Class*

Do you enjoy working with computers? Then Information Technology Fundamentals is the class for you. Hands on labs, build web pages, understand how the Internet works, viruses, security work and units in the student organization SkillsUSA/Apache Geek Squad. Students are equipped with a state of the art computer lab and are introduced to the following computer software programs: Microsoft Word, Excel, PowerPoint, Front Page, and Cisco's online curriculum and Internet Explorer.

Requisites for Honors Classification: The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation and join the Nogales High School Geek Squad. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

CTE304- Honors Cisco I (10, 11, 12)

1 credit

Prerequisite: CTE 260 Information Technology Fundamentals

Interested how the Internet works? Wonder how wireless and cellular phones communicate? Honors Cisco I examines through a large number of networking labs, virtual activities, and hands-on labs how the Internet shares information. Learn what it takes to set up wireless networks (help computers talk to each other), apply security settings, and prevent hackers from gaining access to your network and units in the student organization SkillsUSA Apache Geek Squad. Upon completion each student will receive a Cisco Systems Inc. certificate that can be added to any resume (great for job interviews or adding to your resume).

CTE404- Honors Cisco II (11, 12)

1 credit

Prerequisite: CTE 260 Information Technology Fundamentals and CTE 304 Honors Cisco I

Honors Cisco II covers networking (computers talking to each other) concepts and prepares students through advance labs and builds critical thinking, problem solving skills, and helps prepare students for entry-level networking career opportunities, continuing education, through the globally recognized Cisco CCNA certification and units in the student organization SkillsUSA Apache Geek Squad. Students that meet all requirements will receive a Cisco Systems Inc. certificate of completion.

CTE470- Computer Maintenance (10, 11, 12)

1 credit

Prerequisite: CTE 260 Information Technology Fundamentals

May be taken as an *Honors Class*

Computer Maintenance students focus on the Advance IT Fundamentals course. Skills related to information technology basics, computer maintenance/ upgrading/ troubleshooting, computer applications and units in the student organization SkillsUSA/Apache Geek Squad. Students have many opportunities to use their teamwork, communication skills and experience to work on school computers and labs around the NHS campus and enhance their employability opportunities.

Requisites for Honors Classification: The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation and join the Nogales High School Geek Squad. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

MEDICAL CAREERS PROGRAM

CTE715- Medical and Health Professions Fundamentals (12) 1st Semester **1 credit**
2 Hour Block Class **Lab fee**

Pre-requisite: Student must have passed AIMS.

Offered at Pierson Vocational High School (SPACE IS LIMITED)

Requirements by the State board of Nursing and Caregiver Training Institute before the start of the Certified Nursing Assistant (C N A) class: CGTI application-Picture ID with signature-Healthcare Provider CPR-Negative TB Test within the last 6 months-DPS Fingerprint clearance card application-State Board of Nursing fingerprint card-Proof of Health insurance-Proof of Hepatitis B inoculation and Proof of citizenship or legal residency, e.g. U.S. birth certificate, passport, or green card.

Medical terminology, autonomy, philology, career exploration in the nursing field and exploration into the Nursing services program are key curriculum in this part of the course. This course prepares the students for the nursing field and for the second portion of the class to qualify for a certificate as a caregiver and nursing assistant. Upon the completion of CTE 715 and CTE 716 Students are also eligible to take the State Board of Nursing's Certified Nursing Assistant and Care-Giver Certification exam which will be recorded with the State Board of Nursing department.

CTE716 NA/Care Giver Applications (12) 2nd Semester **Lab fee** **1 credit**

Pre-requisite: CTE 715

2 Hour Block Class

Offered at Pierson Vocational High School Mon-Fri plus eight Clinical experiences are held on Friday, Saturday, or Sunday in a nursing home.

Requirements by the State board of Nursing and Caregiver Training Institute before the start of the Certified Nursing Assistant (C N A) class: CGTI application-Picture ID with signature-Healthcare Provider CPR-Negative TB Test within the last 6 months-DPS Fingerprint clearance card application-State Board of Nursing fingerprint card-Proof of Health insurance-Proof of Hepatitis B inoculation and Proof of citizenship or legal residency, e.g. U.S. birth certificate, passport, or green card.

This course is a continuation of CTE 715. The curriculum includes 59 hours of lab skills, 59 lab skills training and 50 hours of clinical training. Twenty one hours of associated training in the areas of people skills, employment skills, and the handling of medications. This program emphasizes professionalism and quality care in a supportive environment. Students completing this program will have the opportunity to take the Care-Giver Certification and the Arizona examination to become a Certified Nursing Assistant which will be recorded with the State Board of Nursing department.

ELECTIVES

LI220- Sociology / Psychology (10, 11, 12) **1 credit**

Body Language, Addiction, Phobias and Manias, ESP, Child Development, Eating Disorders: If these topics sound interesting, then Psychology is the class for you. Learn about the brain and human behavior. Discuss social problems and explore solutions. Experience what it might be like to be married. Psychology /Sociology class uses lecture, discussion, reading, role-playing, and experimentation to explore different aspects of human behavior and social groups.

LI240- War Cry (9, 10, 11, 12)

1 credit

Prerequisite: Writing sample submitted to instructor. Student must earn a proficient score. May be taken as an *Honors Class*

This class is responsible for the production of the school newspaper, the War Cry. Students will learn the fundamentals of News Writing, Photojournalism, Advertising, and Page Design. Students will apply their knowledge in the monthly production of the War Cry. Above average writing skills are essential and a writing sample is required as a prerequisite. Work outside of class is also required.

Requisites for honors classification: War Cry Editors are eligible for honors classification. Editors are expected to adopt a leadership role on the staff and put in time outside of class working on the paper. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

ENGLISH
(Required Courses)

Regular Level:

EN114	English I
EN214	English II
EN314	English III
EN414	English IV

Regular English courses cover Reading, Writing, Language, and Speaking and Listening. These are the four elements that are part of the Common Core Curriculum that will be implemented at NHS. The study of reading will include learning and effectively applying a variety of reading strategies for comprehension, interpretation, and evaluation of a wide range of texts. Students are expected to relate new information to prior knowledge, make useful connections to other topics, recognize, analyze, and evaluate an author’s use of literary elements and perspective. Students will evaluate technical journals or workplace documents and analyze complex texts drawn from American and World literature in several historical periods and movements. Language skills, such as basic grammar and vocabulary will be included in both reading and writing. English I and II students are required to utilize the computerized reading program (Achieve 3000) to improve reading skills. The study of writing will include effectively using written language for a variety of purposes and with a variety of audiences. Students will properly use transitional devices, active voice, parallel structure, and supporting details in writing. Students will learn to vary sentence structure, perfect phrases and clauses, and correct spelling punctuation, grammar, persuasive essay, an analysis of an author’s use of literary elements, a cohesive research document, formal communications, and a narrative or a story. Speaking and Listening skills will also be developed. In addition to regular class work, English IV students will prepare documents for their Senior Exhibition. See Honors Course Descriptions for English Honors Classes

HONORS

EN102- Honors English (9)

1 credit

Pre-requisite: Teacher Recommendation; C or higher in previous English class

See Honors Program

EN202- Honors English II (10) **1 credit**
Pre-requisite: EN102 or Teacher Recommendation; C or higher in previous English class
See Honors Program

EN304- Honors Junior English III **1 credit**
Pre-requisite: EN202 or Teacher Recommendation; Passing score on AIMS Reading and Writing; C or higher in previous English Class
See Honors Program

EN404- Honors Senior English IV **1 credit**
Pre-requisite: EN304 or Teacher Recommendation; Passing score on AIMS Reading and Writing; C or higher in previous English Class
See Honors Program

EN320- AP English Language and Composition III (11) **1 credit**
Pre-requisite: EN202 or Teacher Recommendation; Passing score on AIMS Reading and Writing
See Honors Program

EN322- IB English III (11) **1 credit**
Pre-requisite: EN202 or Teacher Recommendation; Passing score on AIMS Reading and Writing
See Honors Program

EN420- AP Literature and Composition IV (12) **1 credit**
Pre-requisite: EN320 or Teacher Recommendation
See Honors Program

EN422- IB English IV (12) **1 credit**
Pre-requisite: EN322
See Honors Program

ELD (English Language Development)

Students are placed in the appropriate level of ELD based upon district and State guidelines and assessments. Students receive **one (1) credit of English** for the ELD I and ELD II English Grammar course. In ELD III, English Language Arts, which is a two –hour block, students receive **one (1) credit of English and one (1) Elective credit**. For all other ELD courses successfully completed, students earn one Elective credit per course.

EN129- ELD I English Reading **1 elective credit**
This is the beginning course of the English Language Development Program. It is based on the standards set by the State of Arizona for English Language Proficiency learning. The emphasis is on the beginning level of English Reading through a systemic language development approach including Phonics and Phonemic Awareness. At the completion of this course, students must be able to read and demonstrate comprehension of simple English passages.

EN131- ELD I English Grammar **1 English credit**
This is the first course in the instruction of English Grammar, including Language Usage, Mechanics and Spelling. The formal instruction is based on the Discrete Skills Inventory (DSI)

provided by the Department of Education through O.E.L.A.S for English Grammar allows students' development of the essential grammar skills to make language learning comprehensive and continual.

EN132 - ELD I Conversational English and Academic Vocabulary **1 elective credit**

The emphasis of this class will be on listening and speaking in a conversational manner at a beginning level. Through the addition of content area word study, students will be able to more fully comprehend their mainstream academic classes.

EN133- ELD I English Writing **1 elective credit**

This is the beginning course of the English Language Development Program. It is based on the standards set by the State of Arizona for English language Proficiency learning. The emphasis is on a beginning level of English Writing through a systematic language development approach. At the completion of this course, students must be able to write complete sentences and simple paragraphs.

EN229- ELD 2 English Reading **1 elective credit**

This is the intermediate level of the English Language Development program. It is also based on the standards set by the State of Arizona for English Language Proficiency learning. The emphasis continues on building reading fluency and comprehension. Students at this level will build on basic sentence construction and progress through a variety of paragraph types.

EN231- ELD 2 English Grammar **1 English credit**

In this second level of instruction is a continuation of the second English 131- English Grammar. Students move beyond the basics to include instruction in the higher levels of sentence development and more advanced parts of speech.

EN232- ELD 2 Academic Oral English and Vocabulary **1 elective credit**

This intermediate level of conversational English continues the oral structures learned in level 1, but increasingly integrates academic content and vocabulary in each lesson.

EN233- ELD 2 English Writing **1 elective credit**

This is the intermediate level of the English Language Development program. It is also based on the standards set by the State of Arizona for English Language Proficiency learning. The emphasis continues on building writing fluency and comprehension. Students at this level will build on basic sentence construction and progress through a variety of paragraph types.

EN330- ELD 3 Academic English Reading **1 elective credit**

This is the advanced level of the English Language Development program. Students at this level will be continuing their literacy development through the use of more advanced skills such as literary analysis, inferences, synthesis, and functional reading. However, students will still be receiving instruction and support through the use of ELD textbooks and publications.

EN331- ELD 3 Academic English Writing and Grammar **1 elective credit**

This is an advanced course which integrates English writing instruction with advanced grammar skills. At this level, students will be taught through a comprehensive approach which includes instruction in the genres of Narrative, Expository, Technical, Persuasive, Essay, and Business Writing.

**EN333- ELD 3 English Language Arts (Block) 2 credits 1 English Credit
1 elective credit**

This is a traditional Language Arts class that allows students to receive English Language Arts instruction, primarily reading, at an advanced level in the mainstream English I text while being fully supported through Sheltered English Instruction techniques. This is a double period course which includes assisting students in the comprehension and use of the spoken language by teaching students to recognize and produce idioms, phrases, advanced dialogues, and oral summaries. Academic vocabulary is integrated throughout the course, giving student the ability to maximize their listening and speaking skills.

FINE ARTS

The Fine Arts Department of NHS is composed of the Music, Visual Arts, and Theater Arts programs. The programs offer a variety of courses from basic skill building and appreciation to advanced study. The courses incorporate Language Arts and Mathematics.

STUDIO ART and CERAMICS

FA502- Art I (10, 11, 12) (9th with Teacher Recommendation) Lab Fee 1 credit

This foundation course in Studio Art focuses on the Elements of Art first semester and the Principles of Design second semester. Exploration of drawing techniques will include pencil, ink, markers and pastels. Color theory through painting will utilize watercolor, tempera, acrylics and other media. Opportunities to explore and stimulate interest in the art fields are provided through cultural and historical studies, composition, 3-D design and color theory exercises. This course is designed to develop high-level skills and prepare for advanced artistic opportunities.

FA504- Art II (10, 11, 12) Lab Fee 1 credit
Pre-requisite: FA 502

This is a second year Studio Art course that is designed to prepare you for the AP Art class and is a continuation of technical artistic skill building using various art media. Encouragement in self-expression and personal exploration will be the focus. Contemporary art themes will be studied; art history topics will be investigated, and individual projects will be developed that will include critical decision-making. Written and visual responses related to art (personal and public) will allow for critique analysis. Final portfolios will give students opportunities to pursue future artistic endeavors.

FA529- IB/AP Art (10, 11, 12) Lab Fee 1 credit
Pre-requisite: FA 502 or FA 504 or Teacher Recommendation
See Honors Program

FA508- Ceramics I (10, 11, 12) Lab Fee 1 credit

This introductory course covers basic slab, pinch, and coil techniques. Works made are both functional and sculptural. Incremental complexities are designed into each successive lab. Glazing procedures and decorative surface treatments are explored. During alternative weeks a class textbook is used to introduce vocabulary terms, historical information, and various lab applications.

FA510- Ceramics II (11, 12)**Lab Fee****1 credit****Pre-requisite: FA508 (3.0 grade minimum)**

This is an advanced course dealing with the art and technology of ceramics; including the decoration of clay and formulation of glazes. Combined basic construction techniques are pursued by highly motivated individuals. The class will cover wheel-thrown techniques and several experimental approaches. A sketchbook is required and substantive critiques are expected.

DRAMA**FA404- Theatre Arts (9, 10, 11, 12)****1 credit****Pre-requisite: Instructor signature required for enrollment****May be taken as an *Honors Class***

Theater Arts covers an introduction to Theater Arts, set construction, props and acting. Students will learn basic techniques and skills needed to act on stage. These activities include movement, voice and breathe control, projection, improvisation, pantomime, literary interpretation, production and blocking. Students will also learn about speech techniques and study various acting methods. Students will also learn the necessary skills for producing a play. Stagecraft includes set construction, lighting, sound, props, make-up and costumes. The course also includes working in conjunction with the Maroon Masque. Students produce, learn, and perform from two to three plays per year. Students are also required to write one research paper on a famous playwright, incorporating one famous play by said author, per semester. Students will also learn about the dynamics of Broadway plays, musicals, and choreography.

Requisites for Honors Classification: The Honors portion of this class requires students to participate in all productions the Theatre Arts class participates in. Honors students must also write and present one extra literary analysis essay on their choice of playwright/play. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

MUSIC

A student must be a member of the Music Department performing ensemble and be a member in good standing in order to participate in Solo & Ensemble Festival, Regional or All-State Choir or Band auditions, or All-State Jazz auditions. “Member in good standing” is defined by the music department staff.

For all band classes, extra rehearsal and performance time beyond class time is required and will be factored into grade. Students are required to purchase parts of their uniform (band shoes, gloves, white dress shirt, logo and T-shirts, etc.). Fees are due at registration and are used to purchase items listed.

FA520- Concert Band (9, 10, 11, 12)**1 credit****Pre-requisite: 1 Year of middle school band or director’s approval****May be taken as an *Honors Class***

During fall semester, all band students are required to be enrolled in Concert Band, which will be a scheduled class during the day. This course provides beginning and intermediate performance opportunities for students. Emphasis is placed on improving music skills, music theory and the responsibilities that are required for being part of a competitive performing ensemble. A summer Band Camp, early rehearsals and night rehearsals are required during football season and for

marching band performances. All students enrolled in Concert Band are required to participate in Marching Band.

Requisites for Honors Classification: In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

FA521- Wind Ensemble (9, 10, 11, 12)

1 credit

Pre-requisite: Audition (Must be enrolled in Marching Band)

May be taken as an *Honors Class*

This course provides opportunity to learn and perform a more advanced level of concert music. This class rehearses evenings during second semester. Members are graded on participation, attendance and performance, parades and band competitions. This band will compete at the state level.

Requisites for Honors Classification: In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

FA522- Symphonic Band (9, 10, 11, 12)

1 credit

Pre-requisite: Audition

May be taken as an *Honors Class*

Symphonic Band is an organization which involves performances in parades, sporting events, various school assemblies, and community activities. Annual holiday and spring concerts are part of the program. All students enrolled in Symphonic Band are required to participate in Marching Band.

Requisites for Honors Classification: In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to

stay in the Optional Honors area of this class.

FA517- Band Management (9, 10, 11, 12)

1 credit

Pre-requisite: Audition

Students will have the opportunity to prepare solos and /or small ensembles, (trios, quartets, quintets) for competitions at regional level. Students will also learn management skills that include organization of Music Literature, and other components required for efficient operation of a performing ensemble.

FA524- Jazz Ensemble (9, 10, 11, 12)

1 credit

Pre-requisite: Instructor approval

May be taken as an *Honors Class*

Emphasis will be on jazz and popular instrumental music. There are opportunities for public performances and competition. Out of town trips to clinics and concerts are also included. Membership in any Jazz Ensemble or Jazz Combo is by audition only and/or permission of the director. All members are required to participate in marching band.

Requisites for Honors Classification: In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

MARIACHI PROGRAM

FA531- Mariachi I (9, 10, 11, 12)

1 credit

Prerequisite: Middle School Mariachi participant or teacher recommendation

May be taken as an *Honors Class*

Incoming freshmen and novices to mariachi learn and re-learn basic tunes and rhythm patterns of Mariachi. Some performances are expected; limited travel and weekends. Some fundraising required.

Requisites for Honors Classification: Incoming freshmen must have a recommendation from their Middle School teacher. They must have been in the MS Mariachi program for at least two years, have excellent grades, and be able to read and understand music. Some performing is expected and some fundraising is required. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

FA532- Mariachi II (9, 10, 11, 12)

1 credit

Prerequisite: Mariachi I and/or teacher recommendation

May be taken as an *Honors Class*

Students will be exposed to and become oriented with Mariachi music as well as culture, traditions, and folklore of México through performance. Concert performances and rehearsals will be frequent, as Mariachi music is a refreshing experience and is often requested. Mariachi

instruments used are Violín, Trompeta, Vihuela, Guitarra de golpe, Guitarra, Guitarrón, and Voice. This is not a band class. Travel will be necessary for some events. Some Fundraising is required.

Requisites for Honors Classification: Students must be proficient in their instrument and be able to vocalize in chorus and solo. The lesson plans will be taken from the intermediate and advance levels of the Arizona State Standards for music in the Strings, Choir, and band ensembles sections for music education. Concert performances are required and travel to at least one Mariachi Conference with travel is required. Some fundraising is also required. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

FA533- Mariachi III (10, 11, 12)

1 credit

Prerequisite: Mariachi II and/or Teacher Recommendation

May be taken as an *Honors Class*

Students enrolled in this course must be advanced in their music and performance ability. This is **Mariachi Apache**. Homework: Several after school rehearsals, evening performances, out of town events, and weekend events are expected of the student enrolled in Mariachi III. This is not a band class. Students must raise travel funds.

Requisites for Honors Classification: Students in this course must be advanced in their music, choral, and performance ability. The lesson plans will be taken from the advanced and “with distinction” levels of the Arizona State Standards for music in the Strings, Choir, and band ensembles sections for music education. The **NHS Mariachi Apache** is part of this class; however, this selection process is by special audition only. Honor and regular students are not automatically part of the **NHS Mariachi Apache** but both are welcome to audition to be a part of the ensemble. Several after school rehearsals, evening performances, out of town events, and fundraising are expected of the students. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

STRING PROGRAM

FA540- Guitar I (9, 10, 11, 12)

1 credit

This course offers basic instruction, including music fundamentals (theory), chords, scales, arpeggios, music history and note/score reading. The students are required to supply an acoustic guitar (nylon string preferred) for in-class and home use, and a one subject notebook to be used as a daily journal. A guitar tuner is optional. This class is for students with no prior music knowledge or playing skills. Study will focus on the Classical style and will also cover the Blues, Rhythm & Blues and improvisation. Students are to provide and be responsible for their own instrument.

PIANO PROGRAM

FA550- Piano I (9, 10, 11, 12)

1 credit

May be taken as an *Honors Class*

This is a course for beginners or Piano with no prior knowledge and the sincere desire to learn. Students will study the basics of Music theory and history. This course includes elements and symbols in Music, developing ability to read songs and scales, and music appreciation.

Requisites for Honors Classification: In addition to the requirements of the regular course

description, students must complete two of the following choices to earn an honors credit for the following course: 1) Perform at separate musical event outside of required class performances, 2) Perform a solo at the solo/ensemble contest, 3) Study and take private music lessons, 4) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 5) Present a performance piece to be performed in front of peers. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

FA551- Piano II (10, 11, 12)

1 credit

May be taken as an *Honors Class*

Pre-requisite: FA550 or Teacher Recommendation

This class is open to all students who have passed piano I, and/or have a teacher recommendation. This class will focus on writing and sequencing their own compositions, as well as taking compositions and arranging them. These classes will also further their expertise in the knowledge of playing the piano.

Requisites for Honors Classification: In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honors credit for the following course: 1) Perform at separate musical event outside of required class performances, 2) Perform a solo at the solo/ensemble contest, 3) Study and take private music lessons, 4) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 5) Present a performance piece to be performed in front of peers. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CHOIR PROGRAM

FA405- Concert Choir

1 credit

The Concert Choir is a performance ensemble designed to allow students to develop their performance skills in the choral (vocal) setting. Students will learn proper vocal technique, as well as basic music theory. This is a beginning level choir and no prior vocal training or experience is needed to participate.

MATHEMATICS

It is the philosophy of the Mathematics Department that all students can learn the Arizona Math Standards as long as they are given the proper amount of time in which to learn them. This system has been designed to achieve this goal. All entering 9th graders will be enrolled in Algebra I. Placement into any other course as a 9th grader will be based on a placement exam (given in April of 8th grade year), previous math course grade, and / or teacher recommendation. In selecting a math course, know the State and Nogales High School Math graduation requirements.

MA145- Supportive Algebra (9)

1 elective credit

Pre-requisite: Placement only

This course is designed for students not academically prepared for the High School’s introductory math class (Algebra I). The students in this course will learn to properly use the basic arithmetic skills, (addition, subtraction, multiplication and division of whole numbers, fractions and decimals) as well as work with procedure and operations for signed numbers, area, volume and

surface area. Students will learn to manipulate equations dealing with distance, time, rate, or work and mixture. Successful completion of this course provides the student the opportunity to succeed in state required mathematics courses for graduation. **This class does not fulfill NHS Math requirement.**

MA150- Algebra I (9, 10, 11, 12)

1 credit

Pre-requisite: Placement

This is the basic entry-level Algebra I course. Content is closely aligned to Arizona Math Standards. Mastery of basic algebraic skills and applications to prepare student for further study and success in Geometry and Algebra II are emphasized. This class is required by state law and required for university admission.

MA205- Geometry (10, 11, 12)

1 credit

Pre-requisite: Algebra I

This course is a basic plane-geometry course closely aligned to the Arizona Math Standards. It also includes components in solid and coordinate Geometry. This class is required by state law and required for university admission.

MA305- Algebra II (9, 10, 11, 12)

1 credit

Pre-requisite: Algebra I or Middle school Placement for Freshmen

This course extends the concepts from Algebra I, and ties Algebra and coordinates Geometry together, to build a foundational base upon which students can springboard to upper-level mathematics. Algebra II is aligned to the College Work Ready Standards. This course is required for graduation and university admission.

MA410- Personal Finance/Discrete Math (12)

1 credit

The Personal Finance class is a half-semester class that is developed to fulfill the Arizona state requirements for a fourth math class. There will be a demonstration of the relationship between simple interest and linear growth and compound interest and exponential growth. There will also be a determination the total cost of purchasing consumer durables over time given different down payments, financing options, and fees. Students will also learn how to apply a variety of strategies to use tax tables and determine, calculate, and complete yearly federal income tax, while developing a personal budget including debit, checking, and savings account by interpreting multiple personal budget examples. Students will also learn how to determine an effective retirement savings plan to meet personal financial goals including IRAs, ROTH accounts, and annuities as well as comparing and contrasting the role of insurance as a device to mitigate risk and calculate expenses of various options. Lastly, students will use mathematical models to represent and analyze personal and professional situation while differentiating, interpreting, applying, and developing concepts in the context of personal and professional situations.

The Statistics and Discrete math class fulfills the second semester of the Personal Finance course which fulfills the Arizona state requirements for a fourth math class. Students in the course will solve problems by estimating and computing with one-variable and two-variable data. Students will also learn to compute and explain summary statistics for distributions of data including measures of center and spread, including variance and standard deviation. Students will explain how sampling methods, bias, and the phrasing of questions asked during data collections impact the conclusions that can be drawn while identifying misleading uses of data and explain why they are misleading. Lastly, students will learn to explain the differences between randomized experiments and observational studies and determine the appropriateness of using each in given situations while determining when arguments based on data mistake correlation for causation.

HONORS

MA210- Honors Geometry (10) Prerequisite: B or better in Algebra I / C or better in Algebra II. See Honors Program	1 credit
MA500- Honors College Algebra/Trigonometry (10, 11, 12) (Advanced Mathematical Concepts with Trigonometry) Prerequisite: Grade of “C” or better in Algebra II and Geometry. See Honors Program	1 credit
MA521- IB/Math Studies (11, 12) Prerequisite: College Algebra/ Trigonometry See Honors Program	1 credit
MA525- AP Statistics (11, 12) Prerequisite: in Algebra II See Honors Program	1 credit
MA540- AP Calculus I (11, 12) Prerequisite: IB College Algebra/Trigonometry. See Honors Program	1 credit
MA541- AP Calculus II (12) Prerequisite: AP Calculus I See Honors Program	1 credit

MODERN LANGUAGES

Students are placed in Spanish courses by placement exam, academic Spanish language experience, and the following course description prerequisites identified below. Students may be placed in a more advanced class upon the teacher’s recommendation.

SPANISH AS A SECOND LANGUAGE (for those who speak little or no Spanish)

ML502- Spanish IC (9, 10, 11, 12) Pre-requisites: Non-native speaker Level one of the conversational program is designed to aid the beginning student of Spanish in acquiring a basic understanding of the language. Students learn a wide range of useful vocabulary and sentence patterns. There is an emphasis placed on listening and speaking skills. There will be basic practice and review of sentence patterns and verb conjugations.	1 credit
ML504- Spanish IIC (9, 10, 11, 12) Prerequisites: Spanish IC or Placement Level two of the conversational program furthers the student’s knowledge of Spanish by encouraging active oral participation in practical situations. There will also be a comprehensive study of cultures of Spanish-speaking countries and current socio-economic, political situations in	1 credit

each country or region. There will be extensive practice of sentence patterns and verb conjugation. This course is for students who have basic oral ability, students who have a relatively limited ability to write or read sentences or paragraphs in Spanish should enroll in this course. Writing, speaking, and reading skills will be developed.

SPANISH FOR SPANISH SPEAKERS/ ESPAÑOL PARA EL HISPANO-HABLANTE

ML512- Nivel I / Level I (9, 10, 11, 12) 1 credit

Pre-requisites: Exam

This course is recommended for all freshmen who are native speakers of Spanish but have not taken a complete academic Spanish course at the middle school level. All first year students will be placed in Nivel I in order to better prepare students for Nivel II/Level II. Intermediate grammar (accents), writing, speaking, and reading skills will be developed.

ML514- Nivel II / Level II (9, 10, 11, 12) 1 credit

Pre-requisites: Placement Exam, Nivel I, or Teacher Recommendation

This is a first year course for the Spanish-speaking student who has a fluent ability to speak and understand oral Spanish, as well as some ability to read and write basic Spanish. Emphasis will be placed on but not limited to advanced grammar (accents), language structures, reading short stories, fables, legends, poems, essays, articles, and novels. Students will also study Latin American geography and the native people of such regions. Reading, speaking, writing, and extensive vocabulary skills will be developed.

ML516- Nivel III / Level III (9, 10, 11, 12) 1 credit

Pre-requisites: Successful completion of Level II Spanish or Teacher Recommendation

This course is a study of Spanish and Latin American literature from fables and short stories to selected novels and plays. The masterpieces of Spanish literature are presented in shortened form so as to help students appreciate a broad variety of famous works.

HONORS

ML519- AP Spanish Literature (10, 11, 12) 1 credit

See Honors Program

ML520- IB Spanish A Higher Level I (11, 12) 1 credit

See Honors Program

ML521- IB Spanish A Higher Level II (12) 1 credit

See Honors Program

ML522- IB Spanish B I (10, 11) 1 credit

See Honors Program

ML523- IB Spanish B II (11, 12) 1 credit

See Honors Program

FRENCH

ML425- French I (9, 10, 11, 12) 1 credit

This one-year course is designed to teach fundamentals of conversation, language and culture. This course is designed for students interested in learning the basics of the French language with the ability to move to French IB II upon teacher recommendation. This first year course emphasizes vocabulary building, speaking, writing, reading, and listening skills. Students are required to speak French every day with additional projects for the honor students to complete on top of standard French I curriculum. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

ML426- French II (10, 11, 12) 1 credit

Pre-requisite: French I or Teacher Recommendation

The second year course in French gives the student more practice in listening, speaking, reading, and writing through extensive audiovisual work, special writing projects, and research in French culture. Students are required to write compositions and to give frequent oral presentations in French. Reading material is more advanced than in French 1. French IB students will have additional projects on top of standard French II curriculum. This class will prepare students who are interested in pursuing the French IB regardless of being in honors.

HONORS

ML525- Honors French I 1 credit

ML 526- IB French II 1 credit

ML 527- IB French III 1 credit

PHYSICAL EDUCATION

Although one year of Physical Education is the requirement for graduation, it is recommended to enroll in more courses to increase the likelihood of life-long fitness and health. Studies show the integral connection between mind and body, which is something that is difficult to instill in people after their high school years. A 100 level course must be successfully completed before enrolling in a 200 level course.

PE115- Sport and Physical Condition (coed) (9, 10, 11, 12) 1 credit

Students will learn techniques of individual health, fitness and participation in recreational games. Students participate in drills, games, and tournaments designed to improve and reinforce knowledge and understanding of rules, fundamentals, and strategies in a variety of individual and team sports. These students will be evaluated on daily participation, performance on physical fitness tests, skills tests, written assignments and written tests.

PE208- Theory of Tennis (10, 11, 12) 1 credit

Students will have an opportunity to learn or enhance their Tennis skills. This course will focus on stroke development, individuals and doubles positioning, rules, concepts, and strategies of the game. Evaluation will be through a variety of drills, games, and tournament play situations. Students will be evaluated by daily participation, periodic skills test, written assignments, and

written exams.

PE216- Weight Training (Boys) (10, 11, 12) 1 credit

Pre-requisite: C or better in PE 115

This course is a highly intense weightlifting course, designed only for those who are serious about getting bigger, stronger, and faster. This course is ideal for athletes in all sports, or for the individual who wants to better themselves physically. This course will also be in the classroom at least once a week to focus on reading and writing in the content area. Proper physical education clothing will be required. This is a performance based course and development/improvement will be measured every 4-6 weeks.

PE218- Weight Training for Girls (10, 11, 12) 1 credit

Pre-requisite: C or better in PE 115

This course is a highly intense weightlifting course, designed only for those who are serious about getting bigger, stronger, and faster. This course is ideal for athletes in all sports, or for the individual who wants to better themselves physically. This course will also be in the classroom at least once a week to focus on reading and writing in the content area. Proper physical education clothing will be required. This is a performance based course and development/improvement will be measured every 4-6 weeks.

PE240- Sports Injury Management (10, 11, 12) 1 credit

Sport Injury Management II (formerly called Athletic Training I and II) class covers safety employment plan, job search skills and employability skills. The students are introduced to various aspects of the athletic training professions and will become familiar with basic athletic training terminology, emergency practices and procedures in dealing with athletic injuries, basic athletic taping and wrapping techniques, basic First Aid knowledge and skills that apply to common athletic injuries and the duties of a Certified Athletic Trainer in the sport medicine program. The student works as a student trainer after school with various athletic teams in providing athletic training coverage for practice and or competitions throughout the school year. The class covers Safety Compliance in the lab, Human Body systems, Nutrition, Wellness issues, and Technology on health, employment plan, job search skills and employability skills.

PE340- Sports Injury Management II (10, 11, 12) 1 credit

Pre-requisite: Sports Injury Management I

This is a course that prepares students for a blend of two fields and several career pathways. The assistant will achieve competencies leading to further education in Sports Medicine, Athletic Training, Fitness, and Physical Therapy. These assistants can work in Health Care and Educational facilities. The student works as a student trainer after school with various athletic teams in providing athletic training coverage for practice and/or competitions throughout the school year.

RESOURCE/ SPECIAL EDUCATION

Students are placed into these courses based on District testing and each students' Individual Education Plan (IEP). Students who do not qualify for placement may not be signed up for these classes.

Special Ed. Placement:

AD507- Life Skills (9, 10, 11, 12)

1 credit

This course is intended for students in the self-contained program and to address IEP goals. Content may include areas of daily living skills, personal/social skills, hygiene, managing a household, consumer responsibilities, decision-making, transition to post-secondary training, and other various activities.

AD573- Study Skills I (9) 1credit

Pre-requisite: Sp. Ed Placement

This course is designed for freshman students who are in need of basic study skills and require additional time and assistance with homework. Students emphasize developing strong study skills techniques, organizational strategies, personal data, self-esteem awareness and career exploration.

AD574- Study Skills II (10) 1credit

Pre-requisite: Sp. Ed Placement

This course is designed for sophomores who continue to need study skills and require additional time and assistance with homework. Students learn to identify the importance of self advocacy, research basic job skills assessments, complete interest surveys and inventories, identify their strengths and weaknesses and learn what their community has to offer.

AD575- Study Skills III (11) 1credit

Pre-requisite: Sp. Ed Placement

This course is designed for juniors who need to continue building strong study skills, require additional time and assistance with homework. Students place emphasis on career research and post secondary opportunities. Students participate in weekly group discussions on work/study and vocational skills.

AD576- Study Skills IV (12) 1credit

Pre-requisite: Sp. Ed Placement

This course is designed for seniors who need to continue building strong study skills, require additional time and assistance with homework. Students are informed of their rights and responsibilities as they approach the age of maturity. Seniors work on their senior exhibition/project/presentation, financial aid, job applications, resumes and post secondary connections.

AD 515 TSW Transition Lab (10, 11, 12) 1 credit

Pre-requisite: Sp. Ed Placement

This is a resource study skills lab for TSW students only. The major focus is on assisting with general education classes and senior project. It is an elective credit for work experience hours, documented and good evaluations. This class is offered off campus at Pierson Vocational High School. Students are transported to and from PVHS on a daily basis.

AD601- English Lab (9) 1credit

Pre-requisite: Sp. Ed Placement

The English Language Arts and Literacy program implemented within the framework of the new Arizona Common Core Standards mandates all students in English classes upon graduation are prepared to enter the college and work training programs and are ready to succeed. Students will advance their skills in reading, writing, speaking, listening and language. They will produce a variety of writing genres which introduce claims, supply

evidence, use a variety of words and create a style and tone which is unique. In addition, students will read both literary works and informational texts to analyze the development of the writing within a range of texts complexity, determining meanings, and comprehending literary nonfiction. Students will learn the importance of Effective Research, gathering information formulating arguments and citing sources. Classroom curriculum will be aligned to the Common Core Standards, thus following the anchors outlined in the document. Instruction will include strategies that are appropriate and rigorous for students based upon their Individualized Education Program and academic levels of performance.

AD602- English Lab (10)

1credit

Pre-requisite: Sp. Ed Placement

The English Language Arts and Literacy program implemented within the framework of the new Arizona Common Core Standards mandates all students in English classes upon graduation are prepared to enter the college and work training programs and are ready to succeed. Students in the 10th grade will continue to increase their skills in reading, writing, speaking, listening and language. They will produce a variety of writing genres which introduce claims, supply evidence, uses a variety of words, creating a style and tone which resembles individuality. Sophomore students will read a wide range of informational text, analyzing, and evaluating specific claim, describing nonfiction literature, acquiring more vocabulary as they prepare for post-secondary education. Students will integrate sources of information presented in diverse media or formats, while learning the extreme importance of effective research. The curriculum will be aligned to the Common Core Standards, thus following the anchors charted in the document. Instruction includes a wide variety of research based strategies that are appropriate and rigorous for students, plus adhering to their Individualized Education Program and academic levels of performance.

AD603- English Lab (11)

1credit

Pre-requisite: Sp. Ed Placement

The English Language Arts and Literacy program implemented within the framework of the new Arizona Common Core Standards mandates all students in English classes upon graduation are prepared to enter the college and work training programs and are ready to succeed. The juniors continue to increase their skills in reading, writing, speaking, listening and language. They will write and focus on precise and thorough evidence which is more relevant, using transition words to create a formal style and tone. Students will demonstrate command of the conventions of English and usage in writing. The junior students will read a series of informational and historical text, comparing, analyzing, and evaluating the authors' point of view. Students will engage in reading and writing activities to understand how the argumentative experience will be a valuable life-long tool. Students will research various sources of information to address questions about the text. The curriculum is designed to be aligned in accordance to the Common Core Standards, thereby following the anchors set forth in the document. Instruction includes a wide variety of research based strategies that are appropriate and rigorous for students, plus adhering to their Individualized Education Program and academic levels of performance.

AD604- English Lab (12)**1credit****Pre-requisite: Sp. Ed Placement**

The English Language Arts and Literacy program implemented within the framework of the new Arizona Common Core Standards mandates all students in English classes upon graduation are prepared to enter the college and work training programs and are ready to succeed. The seniors continue to increase their skills in reading, writing, speaking, listening and language. They will be producing and distributing several types of writing focusing on precise and thorough evidence. Students will conduct a detailed research on a topic, citing their sources. The seniors will read and gather information from many sources, conducting a research project which answers a question they proposed in their paper. Seniors will complete their Senior Exhibition and perform community service hours. The components include a documented Research Paper, Portfolio, and Oral Presentation to a group of judges who will assess and grade the project. Students are provided step by step instruction as they master and finish each portion. The purpose and content of this graduation requirement corresponds with the College and Career Readiness anchor standards. The curriculum is designed to be aligned in accordance to the Common Core Standards, thereby following the anchors set forth in the document. Instruction includes a wide variety of research based strategies that are appropriate and rigorous for students, plus adhering to their Individualized Education Program and academic levels of performance.

AD605- Math Lab I**1credit****Pre-requisite: Sp. Ed Placement**

The Math Common Core Standards mandates all students must have the opportunity to learn and meet the same high standards as the general education population, if they are to access the knowledge and skills necessary in their post-school lives. The Standards should be read as allowing for the widest possible range of students to participate fully from the outset, along with appropriate accommodations to ensure maximum participation of students with special education needs. Students who are in the Math Lab I students are working with the I Can Learn Program which is aligned to the common core standards. Students at this level are working on the basic fundamentals of Math and following the goals which are written into their Individual Education Program.

AD606- Math Lab II**1credit****Pre-requisite: Sp. Ed Placement**

The Math Common Core Standards mandates all students must have the opportunity to learn and meet the same high standards as the general education population, if they are to access the knowledge and skills necessary in their post-school lives. The Standards should be read as allowing for the widest possible range of students to participate fully from the outset, along with appropriate accommodations to ensure maximum participation of students with special education needs. Math Lab II students will work on the next level of complex concepts using the I Can Learn Program and adhering to their goals outlined in their Individualized Education Program.

AD607-Math Lab III**1credit**

Pre-requisite: Sp. Ed Placement

The Math Common Core Standards mandates all students must have the opportunity to learn and meet the same high standards as the general education population, if they are to access the knowledge and skills necessary in their post-school lives. The Standards should be read as allowing for the widest possible range of students to participate fully from the outset, along with appropriate accommodations to ensure maximum participation of students with special education needs. Math Lab III students will continue to work the next level of complex concepts using the I Can Learn Program and adhering to their goals outlined in their Individualized Education Program.

AD608- Math Lab IV**1 credit****Pre-requisite: Sp. Ed Placement**

The Math Common Core Standards mandates all students must have the opportunity to learn and meet the same high standards as the general education population, if they are to access the knowledge and skills necessary in their post-school lives. The Standards should be read as allowing for the widest possible range of students to participate fully from the outset, along with appropriate accommodations to ensure maximum participation of students with special education needs. Math Lab IV, students will be studying Pre Algebra concepts using the I Can Learn Program and adhering to their goals outlined in their Individualized Education Program.

SCIENCE**SC502- Earth Science (10, 11, 12)****1 credit**

Earth Science explores the interaction between the planet Earth, its oceans, atmosphere, and the solar system. Students will gain a general understanding of the Earth using principles and concepts applied in the fields of Geology, Oceanography, Meteorology, and Astronomy. Students must have a basic understanding of mathematics in order to be successful in this course. This course meets university science requirement.

SC504- Biology I (Mandatory) (9, 10, 11, 12)**1 credit**

Biology I is an introductory course in Life Science; concerned with plants and animals and their relationships within the environment. Structure and function of organisms, diversity within the living world, and genetic inheritance are stressed. Students are exposed to the scientific techniques of problem solving and to the inquiry method. Laboratory work includes experimentation and use of metric measurement system is emphasized in lab work. This course meets university science requirement.

SC508- Biology II (10, 11, 12)**1 credit****Pre-requisite: SC504**

This is a one year course in Biology open to students who have completed Biology I. This class will expand on the Biology I class, going into more in-depth studies including anatomy and physiology, taxonomy, and modern day concerns and advancements. The students will continue work on understanding the diversity of life, inter-relationships of living organisms and their interaction with the world. The core curriculum will be broken down into 6 basic units.

Biology II is an in-depth second year Biology course that explores specific fields of vertebrate and invertebrate zoology, anatomy and physiology, basic microbiology, genetics, biochemistry

and environmental sciences. Focus of this course is to introduce students the potential opportunities that exist in the life sciences. Each unit will consist of laboratory exercises and may consist of field work as conducted on a professional level. Students will be required to perform experiments and write formal lab reports throughout the course. This course meets university science requirement.

SC512- Chemistry (10, 11, 12)

1 credit

Chemistry is a full year math based laboratory science course that prepares students for college chemistry. Students will study Matter, Stoichiometry, Gases, Thermodynamics, Atomic structure, the Periodic Table, Chemical bonds, Metals, Solutions, Chemical Kinetics, and Organic Chemistry. Students enrolled in Chemistry compare, contrast, and synthesize useful models of the structure, properties of matter and the mechanisms of its interactions. Students are expected to gain an understanding of the history of Chemistry, explore the uses of Chemistry in various careers, investigate chemical questions, and problems related to personal needs and societal issues. Laboratory experiments performed utilize the scientific method and inquiry. The course satisfies one of the three lab science courses required for enrollment in Arizona universities.

SC505- Physical Science (9, 10, 11, 12)

1 credit

In this course, students will gain a general understanding of the physical sciences, including Chemistry, Physics, Geology, Meteorology, and Astronomy. These areas will be explored to gain an understanding of the principles that govern the physical universe that surrounds us. In Chemistry, students will study the general chemical concepts, which include the periodic table, chemical formulas and chemical theories, and laws. In Physics, students will study motion, force, vector dynamics and many other physical theories and laws. Geology, Meteorology and Astronomy comprise the Earth Sciences and will be used to tie in the principles of Chemistry and Physics to the universe as a whole.

Physical Science is a lab science course that introduces students to the foundations of the physical sciences as well as encourages them to pursue more in depth studies in Chemistry and Physics. This course meets university science requirement.

HONORS

SC402- AP Physics (11, 12)

1 credit

Pre-requisites: SC510 Consumer Chemistry and Algebra II and be enrolled in or have taken College Algebra/Trigonometry.

See Honors Program

SC518- IB Chemistry I (10, 11, 12)

1 credit

Pre-requisite: B or better in MA150 Algebra I

See Honors Program

SC519-IB Chemistry II (11, 12)

1 credit

Pre-requisite: SC518 (C or better in IB Chemistry I)

See Honors Program

SC524- IB Biology I (11, 12)

1 credit

See Honors Program

SC525- IB Biology II (11-12) **1 credit**
Pre-requisite: SC524 (IB Biology I)
See Honors Program

SOCIAL STUDIES

SS212- World History/World Geography (10, 11, 12) **1 credit**
This course promises to be an exciting way to look at World History and all the reason things are the way they are today. As part of the course, students will also learn how to use Geography to understand world developments both in the past and the present. The class is about people throughout the world, something that becomes very important as our world continues to shrink and people are affected by what happens in other part of the world.

SS312- U.S. /Arizona History (10, 11, 12) **1 credit**
United States/Arizona History is designed to give students a basic understanding of United States and Arizona History. Students will make use of historical interpretative skills to show how Geography, Philosophies, Economics and various human cultures have shaped and formed American society. The class will place an emphasis on developing reading and writing skills as well.

SS402- U.S. /AZ Government (12) 1st Semester **½ credit**
This class is required for graduation. Students will learn about Federal, State and Local Government.

SS403- Economics (12) 2nd Semester **½ credit**
This course will have students learn the basic foundations of economics including Microeconomics, Macroeconomics, and Personal Finance.

SS319- 20th Century America **1elective credit**
This course is an elective class for History lovers that are designed to accomplish three major goals: 1) Provide a deeper and more complex understanding of recent American history; 2) Give AP U.S. History students a second chance to pass the AP exam; and 3) Prepare students for college-level work.

HONORS

SS214- Honors World History / Geography (10) **1 credit**
See Honors Program

SS318- AP American and Arizona History (10, 11, 12) **1 credit**
See Honors Program

SS321- IB 20th Century World History (11, 12) **1 credit**
See Honors Program

SS323- IB History of Americas (11, 12) **1 credit**

See Honors Program

SS405- Honors Economics (11, 12) 1st Semester **½ credit**

SS404- AP U.S. /AZ Government (11, 12) 2nd Semester **½ credit**
See Honors Program

SS507- IB Theory of Knowledge (11, 12) **1 credit**
Pre-requisite: IB Diploma Candidate or any interested students

HONORS PROGRAM

The Honors Program at NHS is designed to meet the needs of academically talented students. The course offerings are available to all, but are recommended for highly motivated students because of the quality as well as the quantity of work expected. More challenging academic work is given to students in the subject areas of English, Fine Arts, History, Mathematics, Modern Languages and others. Arizona standards of Reading, Writing, Speaking/Listening, Viewing/Visual Representation and Mathematics are covered in all Honors classes. Students in Honors classes are expected to have met all standards at the Distinction Level.

- Challenging coursework to stimulate motivated students.
- Better preparation for college entrance exams (SAT, ACT).
- Stronger academic skills and preparation for rigors of college.
- An attractive résumé for admission to universities.
- Better chance of success once enrolled in college.
- Opportunity to take exams which may earn college credit and possibly save up to one year of tuition.

The NHS Curriculum revolves around three programs:

- The first program is the **NHS Honors Diploma**.
- The second part of the Honors Curriculum is the **Advanced Placement (AP)** program offered in several subject areas. AP offers individual college level classes and exams that could also earn students college credit.
- The third is the **International Baccalaureate (IB)** program that offers a core curriculum of six subject areas and other requirements that lead to the prestigious International Baccalaureate Diploma.

Nogales High School is the only Arizona high school outside of the Phoenix area to offer both the IB and AP programs.

NOGALES HIGH SCHOOL HONORS DIPLOMA

Since 1998, Nogales High School has offered an Honors Diploma for those students willing and able to dedicate time and effort to academics. Honors Diploma recipients are recognized at graduation. The requirements for receiving this diploma are:

1. Course hours: 15 Honors courses
2. 3.5 GPA on a non-weighted 4.0 scale for all classes. GPA after 7 semesters is used to determine Honors Diploma.
3. External Exams: 4 (IB/AP/SAT II Exams)
4. Community Service: 100 documented hours (Junior and Senior years)

5. Student must attend NHS during 7th and 8th semesters to qualify for the Honors Diploma.

** All Honors Courses are weighted for GPA. Weighted GPA is for Nogales High School use only. (Universities do not accept weighted GPA's). Students enrolling in AP/IB courses will receive high-school credit upon meeting course objectives. College credit may be granted by universities if a score of 3, 4, or 5 is earned on AP exam or a score of 4 to 7 on IB Higher Level Exams.

ADVANCED PLACEMENT

The Advanced Placement Program is a cooperative educational endeavor between secondary schools and colleges and universities. Since its inception in 1955, the program has provided motivated high school students with the opportunity to take college-level courses in a high school setting. Students who participate in the program not only gain college-level skills, but in many cases they also earn college credit while they are still in high school. AP courses are taught by dedicated and enthusiastic high school teachers who follow course guidelines developed and published by the College Board. All AP courses are weighted for GPA.

AP allows high school students to take courses that are challenging, rigorous and in depth, exactly the kind of courses they will face in college.

AP not only improves students' chances for admission to fine universities, it also increases their success rate once enrolled so they earn a college degree.

A student who scores successfully on an AP exam will benefit in the following ways:

- Exemption from beginning college courses, allowing them to start at a higher level in their chosen field of study.
- Exploration of undergraduate subject areas that would otherwise not be available.
- Eligibility for honors and other special programs.
- Fewer credits to complete during college years.
- Great savings of time and money by being granted a year of college credit as a result of passing three or four exams.

All students and parents interested in any of these programs should meet with the Honors Program Coordinator.

INTERNATIONAL BACCALAUREATE PROGRAM

International Baccalaureate is a complete course of study leading to an international college entrance level diploma. It has become popular in the U.S. for upper level courses. In International Baccalaureate courses, the highly motivated, gifted student who truly wants the maximum from the high school experience will find a challenge to work in an encouraging environment. There is a great deal of individualized work (see General Overview IB Diploma Program).

Nogales High School offers IB courses in 3 languages, as well as in History, Science, Mathematics, and Art. A student may select one or more courses or a full diploma program. All IB courses are weighted for GPA.

Taking IB examinations may result in:

- Exemption from low-level beginning college courses and the opportunity to elect higher level courses.

- Admission to honors courses or programs not open to all.
- Being looked upon more favorably for college applications.
- Fewer credits to complete during college years.
- Saving time and money by being granted a year of credit and sophomore standing for Higher Level IB examinations.

General Overview

The International Baccalaureate (IB) Program is a comprehensive and rigorous two-year curriculum, leading to examinations for students aged sixteen to nineteen. Based on the pattern of no single country, it is a deliberate compromise between the specialization required in some national systems and the breadth preferred in others. The general objectives of the IB are to provide students with a balanced education, to facilitate geographic and cultural mobility, and to promote international understanding through shared academic experience. In the forty years since its founding, the IB Diploma has become a symbol of academic integrity and intellectual promise. The student who satisfies its demands demonstrates a strong commitment to learning, both in terms of the mastery of the subject content and in the development of the skills and discipline necessary for success in a competitive world. Colleges and universities are well served by encouraging the enrollment of these able young scholars.

Unique Characteristics

The program offers special features in addition to the traditional strengths of a liberal arts curriculum.

Theory of Knowledge (TOK) is a required interdisciplinary course intended to stimulate critical reflection upon the knowledge and experience gained inside and outside the classroom. TOK challenges students to question the bases of knowledge, to be aware of subjective and ideological biases, and to develop a personal mode of thought based on the analysis of evidence expressed in rational argument. The key element in the International Baccalaureate Organization's educational philosophy, Theory of Knowledge seeks to develop a coherent approach to learning which transcends and unifies the academic subjects and encourages appreciation of other cultural perspectives.

Creativity, Action, Service is known by its acronym **CAS** and is a fundamental part of the diploma curriculum. The **CAS** requirement takes seriously the importance of life outside the world of scholarship, providing a refreshing counterbalance to the academic self-absorption some may feel within a demanding school program. Participation in theater productions, sports and community service activities encourages young people to share their energies and special talents while developing awareness, concern and the ability to work cooperatively with others. The goal of educating the whole person citizenry comes alive in an immediate way when students reach beyond themselves and their books.

Extended Essay Diploma candidates are required to undertake original research and write an extended essay of 4,000 words. This project offers the opportunity to investigate a topic of special interest and acquaints students with the kind of independent research and writing skills expected at a university. There are currently 60 subjects, including more than 35 languages, in which the essay may be written.

The grading system used by the International Baccalaureate Organization is criterion referenced. This means that each student’s performance is measured against well-defined levels of achievement consistent from one examination session to the next. Top grades are not simply awarded *on a curve* to a certain percentage of candidates but rather reflect attainment of knowledge and skills relative to set standards equally applied to all schools. Validity, reliability, and fairness are the watchwords of the IBO’s International assessment strategy.

The Curriculum

International curriculum planners seek to ensure that the organization’s educational aims are embodied in the structure and content of the program itself. The diploma is displayed in the shape of a hexagon with six academic areas surrounding the core. Subjects are studied concurrently and students are exposed to the two great traditions of learning: the humanities and the sciences.

Diploma candidates are required to select one subject from each of the six subject groups. At least three and not more than four are taken at higher level (HL), the others at standard level (SL). HL courses represent 240 teaching hours, SL courses over 150 hours. By arranging work in this fashion, students are able to explore some subjects in depth and some more broadly over the two-year period; this is a deliberate compromise between the early specialization preferred in some national systems and the breadth found in others.

Distribution requirements ensure that the science-oriented student is challenged to learn a foreign language and that the natural linguist becomes familiar with laboratory procedures. While overall balance is maintained, flexibility in choosing higher level concentrations allows the student to pursue areas of personal interest and to meet special requirements for university entrance.

IB Mission Statement

Through comprehensive and balanced curricula coupled with challenging assessments, the International Baccalaureate Organization aims to assist schools in their endeavors to develop the individual talents of young people and teach them to relate the experience of the classroom to the realities of the world outside. Beyond intellectual rigor and high academic standards, strong emphasis is placed on the ideals of international understanding and responsible citizenship, to the end that IB students may become critical and compassionate thinkers, lifelong learners, and informed participants in local and world affairs, conscious of the shared humanity that binds all people together while respecting the variety of cultures and attitudes that makes for the richness of life.

INTERNATIONAL BACCALAUREATE CURRICULUM AT NHS

(NHS students will have the following options among the six groups of IB’s core curriculum)

Group 1

LANGUAGE A1-ENGLISH OR SPANISH
(Opportunity for bilingual diploma)

Group 2

LANGUAGE B
Spanish
French

Group 3

INDIVIDUALS AND SOCIETY
History of the Americas and IB 20th Century World History

OTHER REQUIREMENTS

Extended Essay
Theory of Knowledge
Creativity, Action, Service

Group 4**EXPERIMENTAL SCIENCE**

Biology
Chemistry
Physics

Group 5**MATHEMATICS**

Math Studies
College Algebra/ Trigonometry

Group 6**ELECTIVE SUBJECT**

Art/Design
Additional course from Group 2, 3, or

The Diploma Candidates choose their program of six subjects to be studied over two years, from the following:

Group 1 Language A1 (best language) including a study of selections from World Literature.

Group 2 Language A2 (second language) - provides a language / literature course for highly competent or bilingual speakers of the target language.

OR Language B (second language) - provides a foreign language course for students with little or no previous experience of learning the language. It is a communicative program.

Group 3 Individuals and Societies: History of the Americas and IB 20th Century World History.

Group 4 Experimental Sciences: Biology, Chemistry SL, and Physics.

Group 5 Mathematics: Mathematical Studies SL, Mathematics HL.

Group 6 Electives: Art/Design, a third modern language, a second subject from Humanities, Social Studies, or Experimental Sciences Group, or a School based Syllabus approved by IB.

HONORS COURSES at Nogales High School

HONORS

English I, II, III, IV
Geometry
World History/Geography
Air Force Jr. ROTC
French I
Culinary Principles & Applications
Cabinetmaking I, II
Automotive Technology I, II
Cisco Network Technology I, II
College Algebra/ Trigonometry
Economics
WarCry
Graphic Design Fundamentals
Graphic Design I, II

Intro to Business Management
Basic Business Man. & Admin Services Fund.
Information Technology
Computer Maintenance
Web Page Development
Theatre Arts
Concert Band
Symphonic Band
Wind Ensemble
Jazz Ensemble
Piano
Mariachi

ADVANCED PLACEMENT (AP)

American/ Arizona History
Art
Calculus I, II
English III, IV
French III

Physics
Spanish Literature
Statistics
US/ AZ Government

INTERNATIONAL BACCALAUREATE (IB)

Art
Biology I, II
Chemistry I, II
English III, IV
French II, III
History of the Americas
IB 20th Century History
Math Studies
Spanish A I, II
Spanish B I, II
Theory of Knowledge

EXAMPLE OF A FOUR YEAR PLAN FOR IB DIPLOMA AT NHS:

Freshman Year:

English: Honors English I
Mathematics: Algebra II
Science: Physical Science
Modern Language: Spanish- Español IC or IIC for non-native speakers. Español Nivel I or Nivel II for native speakers; French I Nivel III if recommended by teacher.

*Physical Education

*Recommendation to take during summer school

Sophomore Year:

English: Honors English II
Mathematics: Geometry or Algebra II (May be taken during summer school if offered) or Honors College Algebra Trigonometry
Science: IB Chemistry I
History: Honors World History/Geography
Modern Language: Nivel II or AP Spanish for native speakers or IB French I

Junior Year:

English: IB English III
Mathematics: Honors College Algebra/Trigonometry; IB Math Studies
Science: IB Chemistry II and IB Biology I
History: IB History of the Americas
Modern Language: IB Spanish A year I for native speakers; IB Spanish B for non-native speakers
French -IB French II

TOK Theory of Knowledge (second semester)

*US Government: Recommended to take by correspondence or in summer school

Senior Year:

English:	IB English IV
Mathematics:	IB/Math Studies; AP Calculus I; AP Statistics
Science:	IB Biology II
History:	IB 20 th Century World History
Modern Language:	IB Spanish A year II for native speakers; IB Spanish B year II for non-native speakers or IB French III
TOK:	Theory of Knowledge (First semester)
*US Government:	Recommended to take by correspondence

Other Important Information***Courses required by NHS for Graduation**

United States/ Arizona Government	1
United States and Arizona History	1
Physical Education	1
Fine Arts	1

***Required for IB Diploma:**

Theory of Knowledge
 Extended Essay
 Creativity, Action, and Service (CAS)

*IB Diploma Candidates are exempt from doing the Senior Exhibition, but they must be a declared diploma candidate and write and present the 4,000 word IB extended essay in lieu of the requirements. Students must adhere to IB deadlines as per the Senior Project deadlines stipulated in the Senior Project manual and IB deadlines as per Honors Coordinator.

*IB Diploma Candidates must take subject areas and take two years of every subject area recommended by the IB curriculum. At least three IB exams must be taken at Higher Level. The candidate must obtain a minimum of 24 points to receive the IB Diploma. If the candidate obtains a “2” on a Higher Level exam, the candidate must then obtain 28 points to receive the diploma. No “1’s” are permitted. Extra points may be earned through the Extended Essay and Theory of Knowledge.

HONORS / AP / IB COURSE DESCRIPTIONS**ENGLISH**

EN102	Honors English I				
EN202	Honors English II				
EN304	Honors English III	EN320	AP English III	EN322	IB English III
EN404	Honors English IV	EN420	AP English IV	EN422	IB English IV

Junior and Senior level Honors/AP/IB courses require students to have passed the Reading and Writing portions of AIMS prior to enrolling in these classes.

EN102- Honors English (9)**1 credit****Pre-requisite: Teacher Recommendation; C or higher in previous English class**

Students enrolled in these advanced, weighted courses will be expected to complete requirements above those covered in regular English. The study of reading will include: using strategies to

judge the reliability, accuracy, effectiveness, and persuasiveness of literary criticism; analyzing professional-level reading; and developing and supporting a theme or thesis from a diverse selection of writers. Students are required to utilize the computerized reading program (Achieve 3000) to improve reading skills. The study of writing will include: expanding writing experiences by experimenting with language, form and genres; reflecting the subtleties of language and polished style writing; and analyzing, synthesizing, evaluating, and applying principles of formal logic in explanatory writing tasks. Honors students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

EN202- Honors English II (10)

1 credit

Pre-requisite: EN102 or Teacher Recommendation; C or higher in previous English class

Students enrolled in these advanced, weighted courses will be expected to complete requirements above those covered in regular English. This class continues to develop the skills introduced in the 9th grade. The study of reading will include: using strategies to judge the reliability, accuracy, effectiveness, and persuasiveness of literary criticism; analyzing professional-level reading; and developing and supporting a theme or thesis from a diverse selection of writers. Students are required to utilize the computerized reading program (Achieve 3000) to improve reading skills. The study of writing will include: expanding writing experiences by experimenting with language, form, and genres; reflecting the subtleties of language and polished style in writing; and analyzing, synthesizing, evaluating, and applying principles of formal logic in explanatory writing tasks. Honors students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

EN304- Honors Junior English III

1 credit

Pre-requisite: EN 202 or Teacher Recommendation; Passing score on AIMS Reading and Writing; C or higher in previous English Class

This is a weighted college preparatory class for those students who desire a higher level of English but who chose not to take an IB or AP course. As such this class will not prepare students to take exams that could earn them college credit in English. Please be aware that if you take Juniors Honors you will not be permitted to take Senior IB since IB is a two-year course of study. Honors Junior English is a rigorous course of study that will address the Arizona reading, writing and speaking standards at its highest level as well as practice for the SAT and ACT exams. A survey of American Literature and extensive expository writing assignments above and beyond those covered in regular English will be the focus of the class. Honors students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

EN404- Honors Senior English IV

1 credit

Pre-requisite: EN 304 or Teacher Recommendation; Passing score on AIMS Reading and Writing; C or higher in previous English Class

This is a weighted college preparatory class for those students who would like to continue with the honors program. This class will not prepare students to take exams that could earn them college credit in English. Honors Senior English is a rigorous course of study that will address the Arizona reading, writing, and speaking standards at its highest level as well as practice for the SAT and ACT exams. In addition to the study of language and classical literature, students will

prepare for the Senior Exhibition, and as such all students will write two research papers, one as a class project and the other for their Senior Exhibition requirement. Honors students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

EN322- IB English III (11) 1 credit
Pre-requisite: EN 202 or Teacher Recommendation; Passing score on AIMS Reading and Writing

International Baccalaureate English presents a chance for highly motivated students to compare their work to students worldwide. This is the first year in a two-year course of study and covers literature written in English and world literature that has been translated in English. The first year course covers drama and novels. The Arizona standards of reading, writing, listening and speaking are included, and since this is an honors class, the level of expected proficiency is the Distinction Level. This is a weighted class for GPA. IB students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

EN422- IB English IV (12) 1 credit
Pre-requisite: EN322

This course is the continuation of IB English III. A weighted GPA course IB English IV is the final preparation for the IB examination. The course focuses on Reading, Writing critical and analytical papers, and practice for the examinations. Members of the class are encouraged to take the IB exam. Since this is the second year of a two-year course, transfer students should consult their counselor and the IB coordinator if they wish to enroll. All state communication standards are expected to be completed at the Distinction Level of performance. IB students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

EN320- AP English Language and Composition III (11) 1 credit
Pre-requisite: EN 202 or Teacher Recommendation; Passing score on AIMS Reading and Writing

This rigorous course is designed to be equivalent to an introductory year of college composition course work. This course helps students become skilled readers of prose written in a variety of disciplines and rhetorical contexts, and become skilled writers who compose for a variety of purposes, interactions, expectations, and subjects” (**College Board AP: Course Manual**). An integral part of this course is the development of research skills, which enable students to evaluate, use, and cite source material. AP students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

EN420- AP Literature and Composition IV (12) 1 credit
Pre-requisite: EN 320 or Teacher Recommendation

This course requires more extensive analysis of the Great Works of Literature through writing structure, style, theme analysis, figurative language, imagery, symbolism, and of course the social and historical value embodied within the literature analyzed. Students will write and rewrite using the techniques mentioned above in both formal and informal settings. Students will write to

evaluate, understand and explain the understanding in a clear and very precise manner. Students will write essays on short poems, other essays, novellas, novels or plays. AP students will receive a list of required summer reading materials that must be completed before the first day of school. Assessment over the material may include oral presentations, projects, extended written responses, editorial contributions and peer reviews.

FINE ARTS

FA529- IB/AP Art (10, 11, 12)

Lab Fee

1 credit

Pre-requisite: FA 502 or FA 504 or Teacher Recommendation

This is an advanced college-level, discipline-based Studio Art course for **highly motivated** students who are **seriously interested** in the study of art. The IB component is a Standard Level studio art course that will entail 90 hours of studio work and 60 hours of investigation through a workbook. The AP focus is on Drawing or 2-D Design with the main objective focused on earning college credit with a successful performance on the AP Studio Art Portfolio. This “exam” includes artwork that shows Breadth (wide range of experience), Concentration (in-depth independent study), and Quality (five submitted pieces of artwork).

FA407- Honors Theatre Arts (9, 10, 11, 12)

1 credit

Pre-requisite: Instructor signature required for enrollment

The Honors portion of this class requires students to participate in all productions the Theatre Arts class participates in. Honors students must also write and present one extra literary analysis essay on their choice of playwright/play. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

FA542- Honors Symphonic Band (9, 10, 11, 12)

1 credit

Pre-requisite: Audition

In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor’s credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

FA543- Honors Jazz Ensemble

1 credit

In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor’s credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

FA544- Honors Concert Band (9, 10, 11, 12)**1 credit****Pre-requisite: 1 Year of middle school band or director's approval**

In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

FA546- Honors Wind Ensemble**1 credit**

In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

FA538- Honors Mariachi (9, 10, 11, 12)**1 credit**

Students in this course must be advanced in their music, choral and performance ability. The lesson plans will be taken from the advanced and "with distinction" levels of the Arizona State Standards for music in the Strings, Choir and band ensembles sections for music education. The **NHS Mariachi Apache** is part of this class however this selection process is by special audition only. Honor and regular students are not automatically part of the **NHS Mariachi Apache** but both are welcome to audition to be a part of the ensemble. Several after school rehearsals, evening performances, out of town events and fundraising are expected of the students. Regular NHS honor scholastics are also required. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

FA552- Honors Piano (9, 10, 11, 12)**1 credit**

In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honors credit for the following course: 1) Perform at separate musical event outside of required class performances, 2) Perform a solo at the solo/ensemble contest, 3) Study and take private music lessons, 4) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 5) Present a performance piece to be performed in front of peers. Students must also be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

MATHEMATICS

MA210- Honors Geometry (10) 1 credit

Pre-requisite: B or better in Algebra I / C or better in Algebra II (will meet IB requirement)

This course includes all the content standards of the regular Geometry course with much greater emphasis on the more analytical aspects such as proofs and constructions. Many parts of the course are above the level required by the Arizona Math Standards. This course is to be weighted and is designed for those students who want to challenge themselves mathematically.

MA500- Honors College Algebra/Trigonometry (10, 11, 12) 1 credit

Pre-requisite: Algebra II and Geometry

This course is the stepping stone to reaching higher level mathematics thinking skills. It is designed to realistically provide an idea of introductory college level course work while still providing a high school support setting. It is beyond the Arizona standards for math. Some topics include the study of numbers, of Algebra, sets logic plus Trigonometry, Statistics, Probability and Functions. (First year for IB Diploma)

MA521- IB Math Studies (11, 12) 1 credit

Pre-requisite: College Algebra/Trigonometry

This class is designed for seniors who are going for the International Baccalaureate diploma, as well as for those who have passed College Algebra / Trig., but want to strengthen their skills rather than go on to Statistics or Calculus. The course will consist of a review of advanced Algebra, Trigonometry, Statistics, Probability, and pre-Calculus, with each area then built upon a higher level. Students will be prepared for the IB/Math Studies test, with a concentration in either Statistics/Probability. In the second semester, preparation of projects for the IB portfolio will be emphasized. Rigorous reviews of old tests will lead up to the May testing. (Second year for IB Diploma Candidates).

MA540- AP Calculus I (11, 12) 1 credit

Pre-requisite: College Algebra/Trigonometry

This course is designed to provide adequate preparation for students who want to take the AP Calculus AB exam, and /or are considering a career in engineering, medicine, or the sciences. Topics covered include Functions, Graphs, and Limits: rates of change of functions, analysis of graphs, limits of functions, asymptotic and unbounded behavior, and continuity as a property of a function, second derivatives, applications of derivatives, and computational techniques. The third area is integrals: Remain sums, interpretations and properties of integrals, applications, the First fundamental Theorem of Calculus, techniques and applications of anti-differentiation, and numerical approximations. A thorough review of old tests and testing techniques leads to the May exams.

MA541- AP Calculus II (12) 1 credit

Pre-requisite: MA540 AP Calculus I

This course provides the preparation needed to take the higher level AP Calculus BC exam. A complete review of Calculus I is incorporated, and every topic is taken to a deeper level. Additional areas covered are Parametric, Polar, and Vector functions and their Derivatives, advanced applications of Integrals, Polynomial Approximations, Series of constants, Convergence and Divergence, Taylor and Maclaurin series. Again, a thorough review of old tests and testing techniques leads up to the May exams.

MA525- AP Statistics (11, 12) 1 credit

Pre-requisite: Algebra II

This course is designed to provide adequate prep for students who want to take AP STAT exam

and /or considering a career in Law, Psychology, or Medicine. Topics of study include, but are not limited to, Medicine, Sports, Business, Psychology, and Sociology. Students will conduct surveys, observational studies and experiments of their own design and will learn to make inferences through data analysis. Seniors are encouraged to incorporate work for this class into their senior exhibitions. A thorough review of old tests and testing techniques leads to the May exams.

MODERN LANGUAGES

ML519- AP Spanish Literature (10, 11, 12)

1 credit

Pre-requisite: Nivel III or Teacher Recommendation

This one-year course (Advanced Placement Spanish Literature) is intended to be equivalent of a third year college introduction to a literature Spanish course, covering selected works from the literature of Spain and Spanish America. The required AP authors and their literature masterpieces will be studied, read, and analyzed in depth. There will be extensive vocabulary, literature terminology, advanced grammatical concepts (accents), with a strong emphasis on speaking, and complicated selected poetry, novels, short stories, and plays, and essays. The observation rubric will be an indicator for success. Students will be prepared for AP examination in Spanish language and literature. Students may also receive college credit if they choose to take the AP exam and receive a score of 3, 4, or 5.

***The IB Spanish A courses are designed for NATIVE Spanish Speakers**

***The IB Spanish B courses are designed for Non-native Spanish speakers.**

ML520 - IB Spanish A I (11, 12)

1 credit

Pre-requisite: AP Spanish Literature or IB candidate.

This course is required for IB diploma candidates and recommended for the highly motivated Spanish speakers to study and compare themselves with their peers worldwide. This is the first year of a two-year study of Spanish selections from World literature. The students will read and analyze many selections of Spanish literature and World Literature translated into Spanish. Students will also work intensively on Spanish writing skills and grammar.

ML521 - IB Spanish A II (12)

1 credit

Pre-requisite: IB A Higher Level I or IB candidate

This is the second of a two-year program for IB candidates and for highly motivated Spanish speakers. The study of both Spanish literature and World literature translated into Spanish continues in this course. The students will be prepared for the IB exam.

ML522- IB SPANISH B I (10, 11)

1 credit

(This course is recommended for non-Spanish speakers who are anticipated IB candidates or Non-Spanish speakers who are highly motivated students who would like to study and be challenged in the Spanish language).

This one-year course is designed to teach fundamentals of conversation, appreciation of culture, and language. This course is designed for the college-bound students. The first year course emphasizes vocabulary building, writing, speaking and listening skills. Students will be encouraged to read and analyze articles and practice oral skills on a daily basis. Some translation will be given, but the Spanish language will be used by the teacher at all times. This will provide students with a great opportunity to experience and learn the language through immersion techniques. This is the first year of an accelerated course to prepare students for IB language B exams and AP language exam.

ML523 - IB Spanish B II (11,12) 1 credit

Pre-requisite: IB Spanish B I for any non-native highly motivated student.

This is a second year course in Spanish for non-native speakers. It is a continuation of IB Spanish B 1st year. It gives the student more practice in speaking, reading, listening and writing Spanish through extensive audiovisual work, special weekly composition and to give frequent exposure of oral skills in the Spanish language. Reading material is at a more advanced level than in Spanish I. This is the second year of a course to qualify students for the IB Spanish B exam.

ML525 - Honors French I (9, 10, 11) 1 credit

This one-year course is designed to teach fundamentals of conversation, language and culture. This course is designed for students interested in learning the basics of the French language with the ability to move to French IB II upon teacher recommendation. This first year course emphasizes vocabulary building, speaking, writing, reading, and listening skills. Students are required to speak French every day with additional projects for the honor students to complete on top of standard French I curriculum.

ML526- IB French II (10, 11, 12) 1 credit

Pre-requisite: French I or Teacher Recommendation

The second year course in French gives the student more practice in listening, speaking, reading and writing French through extensive audiovisual work, special writing projects, and research in French culture. Students are required to write compositions and to give frequent ‘exposé oral’ in French. Reading material is at a more advanced level than in French I.

ML527 - IB/AP French III (11, 12) 1 credit

Pre-requisite: French II or Teacher Recommendation

This class is a continuation of the French program. Language study and writing will be developed to a level that will allow students to take the International Baccalaureate French exam at the standard level and/or the Advanced Placement exam. In addition to the textbook, students will read French literature in its original version, give oral reports to the class, and do research reports on aspects of French culture.

SCIENCE

SC402- AP Physics (11, 12) 1 credit

Pre-requisites: SC510 Consumer Chemistry and Algebra II and be enrolled in or have taken College Algebra/Trigonometry.

Physics defines or attempts to define forces in nature, the study of planetary motion through the use/ application of Newton’s laws as well as works by Einstein, Planck and Rutherford. This course requires a strong background in mathematics, which will be used to study Newtonian mechanics, electricity and magnetism. This course is based on problem solving, and is a weighted class for GPA. It is intended for college bound students. It includes a lab component.

SC524- IB Biology I (11) 1 credit

This is the first year of an advanced two-year study of Biology. It is intended for college bound students who may be pursuing an IB diploma. Students in this class will receive a laboratory oriented examination of living organisms from the molecular level to that of the biosphere. Over the two-year course, the core material to be studied consists of the Biology of Cells, Genetics, Evolution, Plant Biology, The Biology of Human Beings, and Ecology. This is a weighted class for GPA.

SC525- IB Biology II (12)**1 credit****Pre-requisite: SC524**

This course is the second year of an advanced two-year study of Biology. It is intended for college bound students who may be pursuing an IB diploma. Students in this class will receive a laboratory-oriented examination of living organisms for the molecular level to that of biosphere. Over the two-year course the core material to be studied consists of the Biology of Cells, Genetics, Evolution, Plant Biology, The Biology of Human Beings, and Ecology. This is a weighted class for GPA.

SC518- IB Chemistry I (10, 11)**1 credit****Pre-requisite: A or B in Algebra I and SC524**

This course teaches basic concepts of chemistry through laboratory activities. Learning to think logically is emphasized. Various forms of matter that make up the world are the study of chemistry. The kinds of matter, their properties and reactions are studied. The students will become proficient in observing, weighing facts, and forming valid conclusions. This is a weighted class for GPA.

SC519- IB Chemistry II (11, 12)**1 credit****Pre-requisite: SC518 and Algebra II**

This is the second year of IB Chemistry. This section of the program prepares the student for the study of advanced level chemistry lab and research work. Time is also spent to prepare the student to be successful on the IB Standard Level Chemistry exam given in May. The main focus of the second year chemistry is hands-on lab work and analysis of data obtained in such experiments. This is a weighted class for GPA.

SOCIAL STUDIES**SS214- Honors World History/Geography (10)****1 credit**

This course is a weighted honors class fulfilling the 10th grade requirement for World History and Geography. The class is designed to integrate the distinction (honors) Arizona state standards for World History and Geography in a challenging and interesting curriculum. It will be a comprehensive study from the Pre-History to the 20th century with assessments focusing on reading, independent research, analysis, and writing. There will be expected knowledge of how to construct research projects and papers. This course will be an introduction and lead-in to a student pursuing an IB or AP courses in Social Studies.

SS318- AP American History (11, 12)**1 credit**

This intensive, college preparatory class covers American political, social and economic history in great detail, from the colonial period to the present. The class is oriented towards the AP U.S. History exam that is held in early May. This class goes into much more detail than the standard class, with an emphasis on reading, writing and speaking on myriad topics in the tapestry of U.S. and Arizona History. Students are expected to commit to the intellectual rigor required for success in this class and are also expected to take the AP test in the spring.

SS321- IB 20th Century History Reshaping the Modern World (11, 12)**1 credit**

Based upon International Baccalaureate syllabus and fulfilling the distinction level of the Arizona state standards for History (European and American) in Reading, Writing and Speaking; this class is the first of two classes to allow a student to either do History as IB standard level or IB higher level. Students will deeply analyze one of the most exciting periods in Modern History by

looking at the changes in world politics, military tactics, economic, and social theories as well as technologies during the 20th Century. The course is modeled after college history courses and is a primarily discussion based curriculum. Students will also learn from active research and analysis of both primary and secondary sources.

SS323- IB History of the Americas (11, 12) 1 credit

Pre-requisite: SS321 (Meets US/AZ History requirements)

This class is the first year of an historical study of topics in history and a history of the Americas. This is a comprehensive, in-depth study of the history of the Americas for a 100-year period, including histories of the United States, Latin America, the Caribbean countries, and Canada. Students of IB History investigate a variety of sources and examine the process of historical inquiry, explanation, and interpretation. Students will be expected to present clearly written essays in response to questions posed orally in class or on exams. This course culminates with the emphasis on the Arizona state standards of reading, writing, and speaking as well as the distinction level history standards.

SS404- AP U.S. /AZ Government (12) 1 credit

AP Government is taught as a college level political science course. Arizona standards of Reading, Writing, and Speaking are emphasized at the level needed for success in college. The second semester of the class includes the study of Economics. The second semester concludes with simulations of the local government, legislative, and executive and judicial branches. Each student will prepare for and is encouraged to take the U.S. Government Advanced Placement exam.

SS405 Honors Economics (12) 1 credit

(See AP U.S. /AZ Government)

SS507 IB Theory of Knowledge (TOK) 1 credit

Theory of Knowledge (TOK) is a required interdisciplinary course intended to stimulate critical reflection upon the knowledge and experience gained inside and outside the classroom. TOK challenges students to question the bases of knowledge, to be aware of subjective and ideological biases, and to develop a personal mode of thought based on the analysis of evidence expressed in rational argument. The key element in the International Baccalaureate Organization's educational philosophy, Theory of Knowledge seeks to develop a coherent approach to learning which transcends and unifies the academic subjects and encourages appreciation of other cultural perspectives.

CAREER AND TECHNICAL EDUCATION HONORS COURSES

BUSINESS PROGRAM

CTE202 - Honors Introduction to Business Management 1 credit

Students must be enrolled in two other Honors classes and join Future Business Leaders of America (FBLA). Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

CTE307 – Honors Basic Business Management & Administrative Services Fundamentals

1 credit

Students must be enrolled in two other honors classes and join Future Business Leaders of

America (FBLA). Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

FAMILY AND CONSUMER SCIENCE PROGRAM

CTE316- Honors Culinary Principles

1 credit

In addition to the regular classroom assignments, there will be a quarterly research paper. Students who want the Honors option will also have to be a leader in the classroom, presenting different cooking techniques to the class and assisting in helping others with the different assignments. Students must be enrolled in two other honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE416 - Honors Culinary Applications

1 credit

Pre-requisite: CTE 313, 316

In addition to regular classroom assignments, there will be a research paper each semester. Students who want the Honors option will also have to be a class leader, presenting in the classroom and assisting others. Students must be enrolled in two other honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CONSTRUCTION TECHNOLOGIES PROGRAM

CTE370- Honors Cabinetmaking I

1 credit

The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation along with completing an appropriately challenging finished product of quality workmanship. An “Exit Test” from the Woodworking/Carpentry Industry may also be required. Students are only allowed in the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

CTE460 - Honors Cabinetmaking II

1 credit

Prerequisite: CTE 370

The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation along with completing an appropriately challenging finished product of quality workmanship. An “Exit Test” from the Woodworking/Carpentry Industry may also be required. Students are only allowed in the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

TRANSPORTATION TECHNOLOGIES PROGRAM

CTE333- Honors Automotive Technology I

1 credit

The Honors portion of this class requires students to study the Theory of Operation of Component/Systems with an introduction into the basics of Automotive Engineering. An “Exit Test” from the Automotive Industry is also required. Students are only allowed in the Optional

Honors portion of this class through the instructor's invitation. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

CTE423- Honors Automotive Technology II

2 credits

Prerequisite: CTE 333

The Honors portion of this class requires students to study the Theory of Operation of Component/Systems with an introduction into the basics of Automotive Engineering. An "Exit Test" from the Automotive Industry is also required. Students are only allowed in the Optional Honors portion of this class through the instructor's invitation. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

MULTIMEDIA PROGRAM

CTE227 – Honors Graphic Design Fundamentals (10, 11)

1 credit

The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

CTE329 - Honors Graphic Design I (11, 12) 1st semester

1 credit

2 Hour Block Class

The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

CTE429- Honors Graphic Design II (11, 12) 2nd Semester

1 credit

2 Hour Block Class

The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

INFORMATION TECHNOLOGY PROGRAM

CTE270- Honors Information Technology Fundamentals

1 credit

The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation and join the Nogales High School Geek Squad. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

CTE304- Honors Cisco I (10, 11, 12)**1 credit****Prerequisite: CTE 260 Information Technology Fundamentals**

Interested how the Internet works? Wonder how wireless and cellular phones communicate? Honors Cisco I examines through a large number of networking labs, virtual activities, and hands-on labs how the Internet shares information. Learn what it takes to set up wireless networks (help computers talk to each other), apply security settings, and prevent hackers from gaining access to your network and units in the student organization SkillsUSA Apache Geek Squad. Upon completion each student will receive a Cisco Systems Inc. certificate that can be added to any resume (great for job interviews or adding to your resume).

CTE404- Honors Cisco II (11, 12)**1 credit****Prerequisite: CTE 260 Information Technology Fundamentals and CTE 304 Honors Cisco I**

Honors Cisco II covers networking (computers talking to each other) concepts and prepares students through advance labs and builds critical thinking, problem solving skills, and helps prepare students for entry-level networking career opportunities, continuing education, through the globally recognized Cisco CCNA certification and units in the student organization SkillsUSA Apache Geek Squad. Students that meet all requirements will receive a Cisco Systems Inc. certificate of completion.

CTE475- Honors Computer Maintenance**1 credit****Prerequisite: CTE 270**

The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation and join the Nogales High School Geek Squad. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

OTHER HONORS / IB COURSES**AFJROTC201 - AFJROTC Honors Exploring Space (9, 10, 11, 12)****1 credit**

AFJROTC 201 is an optional honors class. Senior Aerospace Science Instructor approval is required. This class uses the same text as AFJROTC 200. Honors students will help teach the classes, do detailed research on the Solar System, and become subject matter experts on the impact of space exploration and the roll it serves in national defense. They will write the cadet handbook to include cadet: goals, organizational structure, program expectations, opportunities, and promotion criteria. They will be flight commanders, element leaders, and serve on the cadet group staff.

LI241- Honors War Cry (9, 10, 11, 12)**1 credit****Prerequisite: Writing sample submitted to instructor. Student must earn a proficient score.**

War Cry Editors are eligible for honors classification. Editors are expected to adopt a leadership role on the staff and put in time outside of class working on the paper. Students must be enrolled in two other honors classes and students are expected to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class