

**Nogales High School**  
**2021-2022**  
**Course Description Catalog**



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## **NUSD #1 Compliance Statements**

The Nogales Unified School District affirms that it does not discriminate on the basis of race, religion, sex, color, national origin, gender, age, or disability in access to 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 21<sup>st</sup> century.

Goal #1: NUSD will earn an “A” Letter Grade as defined by the State Board of Education and pursuant to Arizona Revised Statute §15-241.

Goal #2: NUSD will provide a safe learning environment for students, including the provision of instructional and auxiliary facilities necessary to provide an education that supports 21<sup>st</sup> century learning.

Goal #3: NUSD will increase the number of students who are proficient or highly proficient in English Language Arts and Mathematics by 5% as measured by the AzMERIT.

Goal #4: NUSD will continue to provide all students with equal access to effective, appropriately certified teachers and principals.

Goals #5: NUSD will promote an environment of open communication and effective collaboration with parents, community members, and the business community.

### **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 Mission Statement**

*By working as a team within a positive environment, all students will be successful, responsible, culturally appreciative critical thinkers.*

### **Nogales High School’s Theme**

*Achieving Excellence Together*

### **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, religion, sex, 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):

**Tim Colgate, 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 Discriminación contra la Edad 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 al coordinador de cumplimiento.

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### 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 counselors. All questions about specific course offerings and graduation requirements should be directed to your classroom teacher, school 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 school counselor and without the consent of his/her parents.

**Graduation Course Requirements:**

	NHS	University
English	4	4
Mathematics	4	4
Science	3	3
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
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** - The Senior Exhibition includes a documented essay, documented essay slideshow, and a presentation of the slideshow. Students must obtain a minimum of 60% on each component.

**Civics Test** - Students are required to pass a test with a grade of 60% or higher on a state-mandated civics test to meet graduation requirements.

**CPR** - Students are required to receive a state-mandated cardiopulmonary resuscitation (CPR) training to meet graduation requirements and obtain a score of 80% or higher.

**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. Credit earned at Nogales High School will be granted to students for:

- a. Successful completion of a 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 predetermined competency level independent of a time specified requirement.

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

**Transferring of Credit**

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

### **Coursework 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.

Coursework taken through any university or junior college for high school graduation must be approved by the guidance counselor **and** principal **prior** to enrollment or it will not be accepted for High School Credit. Only a total of 3 credits are transferable. These courses are for credit only; they will not figure in the GPA. 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 a 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=4, B=3, C=2, D=1, F=0, or I. Teachers will change an "P", or "Incomplete", to an "F" two weeks after the grading period if course requirements are not met by the student to satisfaction of the instructor.

### **Weighted and Unweighted 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 a school counselor. Class assignments are based on class enrollment, therefore 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 10 school days of each semester, before or after school. Schedule change requests made during the first 10 school days of a semester will allow students to add or drop classes with no loss of a semester credit. Students who drop **after** the 10<sup>th</sup> day 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 10 school days into the semester. Students can take one (1) course per semester or two (2) courses if there are conflicts with scheduling as determined by the counselor. Principal's approval is required before the course can begin. Students may get more information from their school counselor.

### **Retaking a Course**

When a student re-takes a course to improve his/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 school counselor and principal approval. This must be filed at the beginning of the semester in the Registrar's Office. Limit to 3 semester grade replacements throughout coursework at NHS.

### **Student Grade Classification**

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

Sophomore	10th	5 credits
Junior	11th	11 credits
Senior	12th	16 credits



## **Pima JTED Career and Technical Education (CTE) Programs**

The Arizona State Department of Education approves Career and Technical Education (CTE) programs, along with the qualifying academic credits specific to these programs. CTE programs provide hands-on learning in areas that may lead to Career and Technical Education endorsement following the successful completion of an industry examination. Nogales High School offers students an opportunity to enroll in these in-house programs.

### **AFJROTC COURSES**

#### **2AF0151/2AF0152 - AFJROTC A Journey into Aviation History (9- 12)**

**1 credit**

##### **May be taken as an *Honors Class***

AFJROTC develops citizens of character dedicated to serving the community and nation. The course is divided into three distinct components - aerospace science, leadership, and health/wellness. In aerospace science students will study ancient and modern aviation. Emphasis will be on pioneers of flight, the early Air Force, airpower today, and commercial aviation, The leadership curriculum uses military style training 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.

##### **Requisites for Honors Classification:**

Honors A Journey into Aviation History is an optional honors class. Senior Aerospace Science instructor approval is required for entry. Honors students will do everything other students do and use the same text as in the regular course. Honors students will help teach the classes and do detailed research on aviation projects, become subject matter experts on the advancement of airpower and the role of air superiority in national defense. They will write the cadet guide, class syllabus, and classroom rules under supervision of the Senior Aerospace Science Instructor. The cadet guide will : include cadet goals, corps organization structure, program expectations, opportunities, and promotion criteria. In the leadership component, honor students will be element leaders, flight commanders, and serve on the group staff.

### **CAREER EXPLORATION**

#### **7CT046S1/7CT046S2 – Career Exploration (9)**

**1 credit**

##### **May be taken as an *Honors Class***

This class introduces students with the States' Career Clusters (Agriculture, Food, Education Training, Business Management, Finance, Health Sciences, 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 Coding, Leadership and Teamwork, Ethics and Legal Responsibilities, Employability, and Career Development. Students will also learn the correct way of keyboarding.

**Requisites for Honors Classification:** Freshman students must be enrolled in one other core Honors class and join the 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. In addition to the regular classroom assignments, there will be additional, rigorous assignments and expectations will be set at a higher level. The students will have to prepare a presentation on an approved topic to be presented to the class using multi-media every quarter. Students will also be required to participate in FBLA activities and complete five hours of community service.

## **BUSINESS PROGRAM**

### **7CT047S1/7CT047S2 – Business Management I (10, 11)**

**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. *Students are eligible to earn Microsoft Office Specialist Certification.*

**Requisites for Honors Classification:** Sophomores, Juniors and Seniors must be enrolled in two other core Honors classes and join FBLA. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors areas of this class. In addition to the regular classroom assignments, there will be additional, rigorous assignments and expectations will be set at a higher level. The students will have to prepare a presentation on an approved topic to be presented to the class using multi-media every quarter. Students will also be required to participate in FBLA activities and complete five hours of community service. **CIP code: 52.0200.10**

### **7CT049S1/7CT049S2 – Business Management II (10, 11, 12)**

**1 credit**

**Prerequisite: Business Management I**

**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 in the school store to practice and master managerial and customer service skills. *Students are eligible to earn Microsoft Office Specialist Certification.*

**Requisites for Honors Classification:** Students must be enrolled in two other core 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. **CIP code: 52.0200.20**

### **7CT351S1/7CT351S2 – IB Business Management III (11, 12)**

**1 credit**

**Prerequisite:** Business Management I Honors with a B or better, and FBLA member. Preferred if Business Management II (Honors) has been taken prior to this course. **CIP code: 52.0200.30** See Honors Program

## **FAMILY AND CONSUMER SCIENCE PROGRAM**

### **Early Childhood Education Program**

#### **7CT072S1 – Early Childhood Education I (11, 12) 1<sup>st</sup> Sem. Block**

**1 credit**

**May be taken as an *Honors Class***

This course is designed to prepare students to understand the physical, mental, emotional, and social growth and development of children.

**Requisites for Honors Classification:** In addition to the regular classroom assignments, there will be a quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 13.1210.10**

**7CT073S2 – Early Childhood Education II (11, 12) 2<sup>nd</sup> Sem. Block** **1 credit**

**Prerequisite: Early Childhood Education I**

Students who complete both Early Childhood Education I and Early Childhood Education II and pass the CTE state assessment will receive a certificate of employability in Early Childhood Education.

**May be taken as an Honors Class**

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. Students are eligible to earn CTE program Industry Certification.

**Requisites for Honors Classification:** In addition to the regular classroom assignments, there will be a quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 13.1210.20**

### **CULINARY ARTS PROGRAM**

**7CT076S1/7CT076S2 – Culinary Arts I (10, 11)** **Lab Fee** **1 credit**

**May be taken as an Honors Class**

Culinary Arts is now part of Pima JTED. Our goal is to prepare our students to be career and college ready. Culinary Arts I is structured to introduce students to Culinary Arts professions. 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, Reading Recipes, 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:** The honors portion of this class requires students to develop a 90 recipes cookbook on a teacher approved topic of choice. Recipes are to be gathered from magazines or cookbooks (no internet recipes), to be completed within the first 3 quarters. During the 4<sup>th</sup> quarter, students will be responsible for an oral/visual class presentation. Students must also be enrolled in two other core honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code: 12.0500.10**

**7CT077S1 – Culinary Arts II (11, 12)** **Lab Fee** **1 credit**

**Prerequisite: Culinary Arts I and Teacher Recommendation**

**May be taken as an Honors Class**

This program is designed for students who have successfully completed Fundamentals of Culinary Arts and want to learn the advanced technical knowledge and skills required for many foodservice industry occupations. All of the skills taught in Fundamentals of Culinary Arts will be reinforced and new topics will be introduced to strengthen knowledge of the food industry. Practical experiences will be increased with more event participation and our Campus Café. Students are eligible to earn State CTE program Industry Certification and National Industry ServSafe Certification.

**Requisites for Honors Classification:** The Honors portion of this class requires students to expand on their cookbook from 1<sup>st</sup> year Culinary Arts and add two new sections and a cooking demo using a recipe from their recipe book during second semester. Students must also be enrolled in two other core honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code: 12.0500.20**

**7CT387S2 – Culinary Arts III (11, 12)**

**Lab Fee**

**1 credit**

**Prerequisite: Culinary Arts I and Teacher Recommendation**

**May be taken as an *Honors Class***

This program is designed for students who have successfully completed Fundamentals of Culinary Arts and in conjunction with Culinary Arts II (recommended not required); for those who want to learn the advanced technical knowledge and skills required for many foodservice industry occupations. All of the skills taught in Fundamentals of Culinary Arts will be reinforced and new topics will be introduced to strengthen knowledge of the food industry. Practical experiences will be increased with more event participation and our Campus Café To further enhance the college and career ready path, Culinary II and III are also offered as a Dual-Enrollment course through Pima Community College. Our courses would transfer as CUL 105 Food Safety and Nutrition and CUL140 Culinary Principles at PCC, or as electives at most other higher learning institutions. Dual-Enrollment is optional and with the student’s consent. *Students are eligible to earn State CTE program Industry Certification and National Industry ServSafe Certification.*

**Requisites for Honors Classification:** The Honors portion of this class requires students to expand on their cookbook from 1<sup>st</sup> year Culinary Arts and add two new sections and a cooking demo using a recipe from their recipe book during second semester. Students must also be enrolled in two other core honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code:12.0500.25**

### **Fashion Design and Merchandising Program**

**7CT074S1/7CT074S2 – Fashion Design and Merchandising I (10, 11, 12)**

**Lab Fee**

**1 credit**

**May be taken as an *Honors Class***

This class prepares students for employment in various Apparel Design, Production Careers and Sales.

**Requisites for Honors Classification:** In addition to the regular classroom assignments, there will be a quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 52.1900.11**

**7CT075S1/7CT075S2– Fashion Design and Merchandising II (11, 12)**

**Lab Fee**

**1 credit**

**May be taken as an *Honors Class***

**Prerequisite: Fashion Design and Merchandising I**

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 FCCCLA units. Students who complete *Fashion Design* and Merchandising I and *Fashion Design and Merchandising II* and pass the CTE state assessment will receive a certificate of employability in Design and Merchandising.

**Requisites for Honors Classification:** In addition to the regular classroom assignments, there will be a

quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 52.1900.20**

### **CONSTRUCTION TECHNOLOGIES PROGRAM**

#### **7CT078S1/7CT078S2– Cabinetmaking I (10, 11, 12)**

**Lab Fee**

**1 credit**

**May be taken as an *Honors Class***

Students will learn basic joinery and will construct several useful objects made of wood. Students will learn about woodworking and how development of these skills relate to other subject areas such as mathematics, writing, business, art, architecture, design, engineering and forestry. Students are eligible to participate in the Student Organization of SkillsUSA.

**Requisites for Honors Classification:** The Honors portion of this class requires the student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on a topic related to cabinetmaking, design or engineering. One presentation per month is required. For a student to qualify for an Honors (Weighted Grade) position in this program, they must meet the following criteria: Students are only allowed into the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in, and continue to benefit from, the Optional Honors area of this class. **CIP code: 46.0400.13**

#### **7CT067S1/7CT067S2 – Cabinetmaking II (11, 12)**

**Lab Fee**

**1 credit**

**Prerequisite: Cabinetmaking I**

**May be taken as an *Honors Class***

This course is a continuation of *Construction Technologies Core Curriculum*, but designed for the student who wants a more in-depth study of cabinetmaking, architectural millwork, joinery, fabrication and assembly; furthermore, students are required to participate in class units associated with the Student Organization of SkillsUSA. *Students are eligible to earn CTE program Industry Certification.*

**Requisites for Honors Classification:** The Honors portion of this class requires the student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on a topic related to cabinetmaking, design or engineering. One presentation per month is required. For a student to qualify for an Honors (Weighted Grade) position in this program, they must meet the following criteria: Students are only allowed into the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Students in this section must be enrolled in at least two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in, and continue to benefit from, the optional Honors area of this class. **CIP code: 46.0400.40**

### **TRANSPORTATION TECHNOLOGIES PROGRAM**

#### **7CT036S1/7CT064S2 – Automotive Technologies 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 club.

**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 core 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. **CIP code: 47.0600.11**

**7CT065S1/7CT065S2– Automotive Technologies II (11, 12)** **Lab Fee** **1 credit**

**Prerequisite: Automotive Technology I**

**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, Garage Business Practices like Writing Estimates, Pricing, 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 core 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. **CIP code: 47.0600.20**

**7CT066S1/7CT066S2 – Automotive Technologies III (11, 12)** **Lab Fee** **1 credit**

**May be taken as an *Honors Class***

This course is a continuation of Automotive Technology II to meet the appropriate hours for ASE certification. Students may participate in a paid or unpaid internship depending on qualifications. During the internship, students will have the opportunity to apply knowledge and skills developed in Automotive Technology classes into a structured work experience. *Students are eligible to earn CTE program Industry Certification.*

Automotive Technologies II and III are also offered as a Dual-Enrollment course through Pima Community College. Our courses would transfer as AUT 101 and AUT 105 at PCC, or as electives at most other higher learning institutions. Dual-Enrollment is optional and with the student’s consent.

**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 core 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. **CIP code: 47.0600.25**

## **MULTIMEDIA PROGRAM**

**7CT040S1/7CT068S2 – Graphic and Web Design I (10, 11, 12)** **Lab Fee** **1 credit**

**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. Sophomores and Juniors must also be enrolled in two other core 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. **CIP code: 10.0200.12**

**7CT069S1/7CT040S2 – Graphic and Web Design II (10, 11, 12)**

**Lab Fee**

**1 credit**

**Prerequisite: Graphic and Web Design I**

**May be taken as an *Honors Class***

This course includes a continuation of Graphic and Web Design I. It includes units of instruction in applied visual arts that prepares the students to use basic artistic techniques to effectively communicate ideas and 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. Students will also run the t-shirt printing shop. Students are eligible to earn CTE Program Industry Certification.

**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 core 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. **CIP code: 10.0200.30**

### **NETWORK TECHNOLOGY PROGRAM**

**7CT082S1/7CT082S2 – Network Technologies I (10, 11)**

**1 credit**

**May be taken as an *Honors Class***

The Network Technologies I prepares students to assess the security needs of computer and network systems, recommend safeguard solutions, and manage the implementation and maintenance of security devices, systems and procedures. TestOut Security Pro curriculum will enhance student understanding of industry certificates. Students will work on units in professional skills and the student organization SkillsUSA /Apache Geek Squad.

**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 Apache Geek Squad. Students must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

**CIP code: 15.1200.12**

**7CT083S1/7CT083S2 – Network Technologies II (10, 11, 12)**

**1 credit**

**Prerequisite: Network Technologies I**

**May be taken as an *Honors Class***

Network Technologies II is a continuation for the completion of the course work in Security systems. Students who successfully complete the Network Security1 and Network Security 11 coherent sequence of instruction will develop skill to analyze, test, troubleshoot, and evaluate existing network systems. Perform network maintenance to ensure the network operates correctly with minimal interruption and secure a corporate network using a layered security model. Students will continue to work on units in professional skills and the student organization SkillsUSA /Apache Geek Squad. Network security program prepares students for entry-level employment prepared with both the knowledge and skills they need to be a successful IT Security

administrator. Students are eligible to earn CTE program Industry Certification. Students are prepared to earn the professional industry Certifications: CompTIA Network+ + Certification.

**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 Apache Geek Squad. Freshmen students must also be enrolled in one other core honors class. Sophomores, juniors, and seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

**CIP code: 15.1200.30**

## COMPUTER MAINTENANCE PROGRAM

### **7CT080S1/7CT080S2 –Computer Maintenance I (10, 11)**

**1 credit**

#### **May be taken as an *Honors Class***

This course is delivered as a coherent sequence with Computer Maintenance I and Computer Maintenance II to offer students’ knowledge and skills that meet the needs of the workplace. Students who complete the coherent sequence of instruction will develop effective methods to troubleshoot problems to computer/Electronic Device and Maintenance. Students will recognize security, explore legal and ethical issues, demonstrate the use of binary and other numeric systems, install, configure , upgrade and maintain computers. Course delivers the curriculum to maintain motherboard, processors and memory and the demonstration of basic networking hardware. Students will develop Professional Skills developed by business and industry leaders across Arizona and participate in SkillsUSA /Apache Geek Squad student organization.

**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 Apache Geek Squad. Students must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

**CIP code: 15.1200.11**

### **7CT081S1/7CT081S2 - Computer Maintenance II (10, 11, 12)**

**1 credit**

#### **Prerequisite: Computer Maintenance I**

#### **May be taken as an *Honors Class***

Computer Maintenance II is the continuation of Computer Maintenance I. Program prepares students for entry-level employment with the given opportunity to test in the Industry approved Certification Network PC Pro. This course students are able to demonstrate skills related to 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. Students are eligible to earn CTE program Industry Certification.:

Students are prepared to earn the professional industry Certifications: **CompTia A+ Certification**

**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 Apache Geek Squad. Students must also be enrolled in two other core 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. **CIP code: 15.1200.20**

### **2CT031S1/2CT031S2- Computer and Game Design I**

**1 credit**

Are you a gamer? Do you enjoy playing video games or coding? Does the idea of creating and designing your own virtual world excite you? If so, this is the course for you! Tap into your creative and technical skills as you learn about the many aspects involved with designing video games. You will learn about video game software and hardware, various gaming platforms, necessary technical skills, troubleshooting and internet safety techniques, and even the history of gaming. And to top it all off, you’ll even have the opportunity to

create your very own plan for a 2D video game! Turn your hobby into a potential career and go from simply being a player in a virtual world to actually creating one. NHS has a partnership with Arizona State University to offer this course.

### **MEDICAL CAREERS PROGRAM**

Seniors interested in becoming a Certified Nursing Assistant (CNA) or Licensed Nursing Assistant (LNA) will apply to this yearlong 3 hour block course offered at Pierson High School. The course is two credits and students must complete both semesters for state certification. Enrollment is limited to 20 qualifying students. Students must have an advisor's recommendation **and complete the enrollment application during their junior year.**

**7CT039S1 –Nursing Services I (12) 1<sup>st</sup> Sem. Block** **Lab Fee** **2 credits**  
**Offered at Pierson High School (SPACE IS LIMITED)**

**Requirements:** Interested students meet with their counselor and review admission guidelines found in the CNA student-handbook during their junior year. Counselors will determine the student's qualifications and recommendation for this course. Students will complete the application on their own. First semester students will require a government issued ID with their signature such as a driver's license or Arizona ID, required immunizations to participate in a nursing home clinical, negative TB test within the past 3 months, Healthcare Provider CPR and First Aid and DPS Fingerprint Clearance Card. See CNA handbook for items covered by the program.

Students enrolled in this course are learning anatomy and physiology with basic nursing skills in preparation to advance into the next semester when the CNA/LNA program officially begins. Students are required to join HOSA-Future Healthcare Professionals Student Organization where they build on leadership and medical skills that are taught and related to industry standards. **CIP code: 51.3900.10**

**State Board of Nursing of Nursing Requirements:** Additional fingerprint card, proof of citizenship or legal residency, e.g. U.S. Birth Certificate, Passport (not card) or green card.

**7CT039S2 – Nursing Services II (12) 2<sup>nd</sup> Sem. Block** **Lab Fee** **2 credits**  
**Prerequisite: Nursing Services I**

Students who are successful in Semester 1 will advance to Semester 2, where they will be enrolled into the CNA/LNA program certified by the Arizona State Board of Nursing (AZBN). Students will engage in 125 hours of lecture, 45 hours of lab and 40 hours of clinical experience to complete requirements for CNA/LNA course work. Clinical hours involve five days where students are transported to and from the nursing home to train with actual residents. Clinical days are eight hours long and offered once a week. Students must then pass the AZBN state assessment to become certified and licensed by the AZBN. Upon passing, students will be able to have direct employment in this field.

This program is taught in a supportive environment by a registered nurse (RN) who emphasizes professionalism and quality of care. Students will complete this program with a job resume and letter of recommendation when they pass their certification test and this course. **CIP code: 51.3900.20**

**7CT095S1/7CT095S2 - Sports Medicine & Rehabilitation Services I (10, 11, 12)** **1 credit**

Intro into Sports Medicine is a two semester course that focuses on core concepts in athletic training and sports medicine field. We will move through a variety of body systems and human anatomy to evaluate health and performance. Upon successful completion of this course, students will have a basic understanding of: use medical terminology as applied in healthcare, demonstrate an understanding of body systems and human anatomy, evaluate health and performance, demonstrate safety and infection control, manage acute care emergency and nonemergency situations, assess the impact of injuries, apply therapeutic exercise, understand the use of therapeutic modalities, and apply psychological techniques to injury evaluation and rehabilitation.

**CIP code: 51.0800.50**



**Requisites for honors classification:**

Students must also be enrolled in two other core 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. Students enrolled in the Honors curriculum will also be exposed to evidence-based research pertaining to the body systems and human anatomy, evaluation of health and performance, safety and infection control best practices, management strategies for acute care emergencies and non-emergencies, various injury assessment techniques, the application of therapeutic exercise, use of therapeutic modalities, and psychological techniques to apply in the injury evaluation and rehabilitation process.

**7CT096S1/7CT096S2 - Sports Medicine & Rehabilitation II (10, 11, 12)****1 credit****Prerequisite: Sports Medicine & Rehabilitation I**

This course is for students interested in pursuing a career in the sports medicine field. Sports Medicine One knowledge will be applied through hands-on experiences. Topics covered will include: Emergency Medical Response, CPR/First Aid for the Professional Rescuer, tissue healing, pharmacology, sports law and ethics, therapeutic modalities, and medical budgeting. Students will read medical case studies, evaluate sports medicine hot topics, and gain an understanding in evidence-based medicine. Students will apply their Sports Medicine One knowledge through after school observation opportunities **CIP code: 51.0800.50**

**Requisites for honors classification:**

Students must also be enrolled in two other core 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. Students enrolled in the Honors curriculum will also be exposed to evidence-based research pertaining to emergency medical response, CPR/First Aid, tissue healing, pharmacology, sports law and ethics, therapeutic modalities, and medical budgeting. Sports Medicine II Honors students will also gain experience hours working with an Athletic Trainer to provide athletic training services and other healthcare professionals to gain an understanding of different careers under the sports medicine umbrella.

**ELECTIVES****2OT301S1/2OT301S2 - IB Psychology****1 credit**

The IB Diploma Program psychology course is the systematic study of behavior and mental processes. Since the psychology course examines the interaction of biological, cognitive and sociocultural influences on human behavior, it is well placed in group 3, individuals and societies. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. This will allow them to have a greater understanding of themselves and appreciate the diversity of human behavior. The holistic approach reflected in the curriculum, which sees biological, cognitive and sociocultural analysis being taught in an integrated way ensures that students are able to develop an understanding of what all humans share, as well as the immense diversity of influences on human behavior and mental processes. The ethical concerns raised by the methodology and application of psychological research are also key considerations of the IB psychology course. In addition to the three levels of analysis, the IB curriculum requires an in-depth study of another area of psychology. We will study the Human Relationship and Abnormal Psychology

options, weaving in the three levels of analysis as we examine the two topics. You are to be commended for taking on the challenge of a college-level course during the next two years. If the effort is put in, the rewards can be significant. It is our goal to create a level of understanding and interest in psychology that will benefit you in this class and the rest of your college-level classes.

**2OT01S1/2OT01S2 – 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.

**2OT02S1/2OT02S2 – Adobe (9, 10, 11, 12)**

**1 credit**

**May be taken for Honors Class**

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. This course will require time outside of class for completing assignments. **Requisites for Honors Classification:** Adobe Editors may be eligible for honors classification. Editors will be responsible for editing photos, headlines, captions and body copy as well as layout design. They will demonstrate leadership responsibilities by assisting fellow students on their pages. Editors will be responsible for helping the teacher meet printing deadlines. These positions will require time spent outside of the normal class day and the classroom. Students must be enrolled in two other core honors courses, 9<sup>th</sup> graders must be enrolled in at least one core honors course. Students are expected to maintain a letter grade of “B” or higher to stay in the Honors Adobe Class.

**2OT03S1/2OT03S2 – 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 core 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.

**2OT4S1/2OT4S2– Honors MetroMatematicas Basic Lab (9)**

**1 credit**

**Prerequisite: Place into Algebra II, or by teacher/counselor recommendation**

See Honors Program

**2OT4S1/2OT4S2 – Honors MetroMatematicas Advanced Lab (10)**

**1 credit**

**Prerequisite: Honors MetroMatematicas Basic Lab**

See Honors Program

**ENGLISH**  
**(Required Courses)**

**Regular Level:**

**1EN01S1/1EN01S2    English I (9)**

**1 credit**

**1EN02S1/1EN02S2    English II (10)**

**1 credit**

<b>1EN03S1/1EN03S2</b>	<b>English III (11)</b>	<b>1 credit</b>
<b>1EN04S1/1EN04S2</b>	<b>English IV (12)</b>	<b>1 credit</b>

Regular English courses cover Reading, Writing, Language, 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

**1EN31S1/1EN31S2 – Honors English I (9)** **1 credit**

**Prerequisite: Teacher Recommendation; C or higher in previous English class**

See Honors Program

**1EN32S1/1EN32S2 – Honors English II (10)** **1 credit**

**Prerequisite: Honors English I or Teacher Recommendation; C or higher in previous English class**

See Honors Program

**1EN33S1/1EN33S2 – Honors Junior English III (11)** **1 credit**

**Prerequisite: Honors English II or Teacher Recommendation; C or higher in previous English Class**

See Honors Program

**1EN34S1/1EN34S2 – Honors Senior English IV (12)** **1 credit**

**Prerequisite: Honors Junior English III or Teacher Recommendation; C or higher in previous**

**English Class.** See Honors Program

**1EN43S1/1EN43S2 – AP English Language and Composition III (11)** **1 credit**

**Prerequisite: Honors English II with a B or better.**

See Honors Program

**1EN53S1/1EN53S2 – IB English III (11)** **1 credit**

**Prerequisite: Honors English II with a B or better.**

See Honors Program

**1EN44S1/1EN44S2 – AP Literature and Composition IV (12)** **1 credit**

**Prerequisite: AP English Language and Composition III**

See Honors Program

**1EN54S1/1EN54S2 – IB English IV (12)** **1 credit**

**Prerequisite: IB English III**

See Honors Program

## SEI (Structured English Immersion)

Students are placed in the appropriate level of SEI level class based upon district and State guidelines and assessments. Students receive one **(1) credit of English** for the SEI Reading, Listening, Speaking and Vocabulary course successfully completed.

### **1EN5S1/1EN57S2-SEI Reading, Listening, Speaking and Vocabulary (9,10,11,12) 1 English credit**

This is a Structured English Immersion course based on the standards set by the State of Arizona for English Language Proficiency Learning. This course emphasizes on English Reading through a systemic language development approach going from Phonics and Phonemic Awareness, building fluency and comprehension reading skills, progressing to more advanced abilities such as literary analysis, inferences, synthesis, and functional reading. This course includes assisting students in the comprehension and use of the spoken language by teaching students to recognize and produce phrases, advanced dialogues, and oral summaries. Academic vocabulary is integrated, giving students the ability to maximize their English skills.

### **1EN60S1/1EN60S2-SEI Writing and Grammar (9,10,11,12)**

**1 Elective credit**

This is a Structured English Immersion course based on the standards set by the State of Arizona for English Language Proficiency Learning. This course emphasizes on English writing and grammar, basic sentence construction and progress through a variety of paragraph types building on writing fluency and comprehension, including Language Usage and Mechanics. Students are taught through a comprehensive approach the genres of Narrative, Expository, Technical, Argumentative and Business Writing.

## 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

### **2FA03S1/2FA03S2 – Art I (9,10, 11, 12)**

**Lab Fee**

**1 credit**

#### **Prerequisite: 9<sup>th</sup> with Teacher Recommendation**

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.

### **2FA04S1/2FA04S2 – Art II (9,10, 11, 12)**

**Lab Fee**

**1 credit**

#### **Prerequisite: Art I or Teacher Recommendation**

This is a second year Studio Art course that 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.

**2FA05S1/2FA05S2 – Ceramics I (9,10, 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.

**2FA06S1/2FA06S2 – Ceramics II (10, 11, 12)**

**Lab Fee      1 credit**

**Prerequisite: Ceramics I**

**May be taken as an *Honors Class***

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.

**Requisites for Honors Classification:** This course follows and builds upon the skills learned in Ceramics I. Focus will be on the construction of more complex pieces through creativity and problem solving. This class will introduce the additional challenge of the fundamentals of wheel throwing. A sketchbook will be maintained for research and planning, additional writing assignments during each quarter as well as presentations adding additional rigor to this course. Juniors and Seniors must be enrolled in two other core honors classes. Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

**2FA63S1/2FA63S2 - IB/AP Art (10, 11, 12)**

**Lab Fee      1 credit**

**Prerequisite: Art II or Teacher Recommendation**

See Honors Program

**DRAMA**

**2FA01S1/2FA01S2 - Theatre Arts (9, 10, 11, 12)**

**1 credit**

**Prerequisite: 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 core 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 Regional or All-State 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 that are theirs to keep (band shoes, gloves, polo, and T-shirt, etc.).

### BAND PROGRAM

#### **2FA09S1/2FA09S2 - Concert Band (9, 10, 11, 12)**

**Lab Fee**

**1 credit**

**May be taken as an *Honors Class***

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. Members are graded on performances, attendance, assignments and other factors related to performing in a music ensemble. Refer to instructor and class syllabus for detailed grading rubric. A summer band camp 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. Musicians are required to be enrolled in either concert band or symphonic band in order to be a member of the marching band. Students must be enrolled in both semesters of band class in order to be eligible to participate in any trip planned for the end of the year.

**Requisites for Honors Classification:** In addition to the requirements of the regular course description, students must complete one requirement per semester to earn an honor’s credit for this course. All project details must be reviewed and approved by the instructor before initiation of choice. Options: 1) Attendance and completion of an approved workshop or clinic related to primary instrument plus a 350-word summary on what they learned, 2) Audition, acceptance and performance into an Honors Band Festival, 3) Study and take lessons on primary instrument for one full semester, 4) Complete a music research paper about a musical artist or composer; see instructor for detailed requirements of research paper, 5) Class presentation on an approved music related topic. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

#### **2FA011S1/2FA011S2 - Symphonic Band (9, 10, 11, 12)**

**1**

**credit**

**Prerequisite: Audition or Director Approval**

**May be taken as an *Honors Class***

This course provides intermediate to advanced 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. Members are graded on performances, attendance, assignments and other factors related to performing in a music ensemble. Refer to instructor and class syllabus for detailed grading rubric. A summer band camp 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. Musicians are required to be enrolled in either concert band or symphonic band in order to be a member of the marching band. Students must be enrolled in both semesters of band class in order to be eligible to participate in any trip planned for the end of the year.

**Requisites for Honors Classification:** In addition to the requirements of the regular course description, students must complete one requirement per semester to earn an honor’s credit for this course. All project

details must be reviewed and approved by the instructor before initiation of choice. Options: 1) Attendance and completion of an approved workshop or clinic related to primary instrument plus a 350-word summary on what they learned, 2) Audition, acceptance and performance into an Honors Band Festival, 3) Study and take lessons on primary instrument for one full semester, 4) Complete a music research paper about a musical artist or composer; see instructor for detailed requirements of research paper, 5) Class presentation on an approved music related topic. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

**2FA012S1/2FA012S2 - Jazz Ensemble (9, 10, 11, 12)**

**1 credit**

**Prerequisite: Instructor approval**

**May be taken as an *Honors Class***

Emphasis of this class will focus on performance of Jazz instrumental music. Performances and competitions held outside of class time will be factored into grade. Opportunities for travel for performances and clinics may be included. Members are graded on performances, attendance, assignments and other factors related to a performing music ensemble. Refer to the instructor for detailed grading rubric. Students must be enrolled in both semesters of jazz class in order to be eligible to participate in any trip planned for the end of the year.

**Requisites for Honors Classification:** In addition to the requirements of the regular course description, students must complete one requirement per semester to earn an honor’s credit for this course. All project details must be reviewed and approved by the instructor before initiation of choice. Options: 1) Attendance and completion of an approved workshop or clinic related to primary instrument plus a 350-word summary on what they learned, 2) Audition, acceptance and performance into an Honors Band Festival, 3) Study and take lessons on primary instrument for one full semester, 4) Complete a music research paper about a musical artist or composer; see instructor for detailed requirements of research paper, 5) Class presentation on an approved music related topic. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

**MARIACHI PROGRAM**

**2FA013S1/2FA013S2 - 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. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

**2FA014S1/2FA014S2 - 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 advanced levels of the Arizona State Standards for music in the Strings, Choir, and band ensembles sections for music education. Concert performances and at least one Mariachi Conference with travel is required. Some fundraising is also required. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

### **2FA015S1/2FA015S2 - 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. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

## **STRING PROGRAM**

### **2FA016S1/2FA016S2 - 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**

### **2FA019S1/2FA019S2 - Piano I (9, 10, 11, 12)**

**1 credit**

**May be taken as an *Honors Class***

This is a course for beginners with no prior knowledge and the sincere desire to learn. Students will study the basics of music theory and classical piano performance.

**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) Study and take private piano lessons that last at least one semester, 2) Complete a research project about a musical artist or composer, please see instructor for detailed requirements of project, and 3) Present a performance piece to be performed in front of peers. Students must also be enrolled in two other core 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.



**2FA020S1/2FA020S2 - Piano II (10, 11, 12)****1 credit****May be taken as an *Honors Class*****Prerequisite: Piano I or Teacher Recommendation**

This class is open to all students who have passed Piano I, and/or have a teacher recommendation. This class will further their expertise in the knowledge of playing the piano and will focus on advanced repertoire.

**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) Study and take private piano lessons that last at least one semester, 2) Complete a research project about a musical artist or composer, please see instructor for detailed requirements of project, and 3) Present a performance piece to be performed in front of peers. Students must also be enrolled in two other core 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

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.

**1MA01S1/1MA01S2 - Algebra I (9, 10, 11, 12)****1 credit****Prerequisite: 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 students for further study and success in Geometry and Algebra II are emphasized. This class is required by state law and required for university admission.

**1MA02S1/1MA02S2 - Geometry (9, 10, 11, 12)****1 credit****Prerequisite: 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.

**1MA03S1/1MA03S2 - Algebra II (9, 10, 11, 12)****1 credit****Prerequisite: Algebra I or Proficient/Highly Proficient score in AzMerit 8<sup>th</sup> grade year**

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.

**1MA04S1/1MA04S2 – Statistics/Personal Finance/Discrete Math (12)****1 credit**

The Personal Finance class is a full year course that is developed to fulfill the Arizona state requirements for a fourth math class. Discrete Math and Personal Finance will be taught during the first semester. 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 of 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 situations while differentiating, interpreting, applying, and developing concepts in the context of personal and professional situations.

The Statistics portion of the 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

**1MA32S1/1MA32S2 - Honors Geometry (10) 1 credit**  
**Prerequisite: Algebra I with a B or better / Algebra II with a C or better (will meet IB requirement)**  
See Honors Program

**1MA35S1/1MA35S2 - Honors College Algebra/Trigonometry (10, 11, 12) 1 credit**  
**Prerequisite: Algebra II and Geometry with a C or better**  
See Honors Program

**1MA57S1/1MA57S2 - IB Mathematics: Application and Interpretation 1 credit**  
See Honors Program

**1MA47S1/1MA47S2 - AP Statistics (11, 12) 1 credit**  
**Prerequisite: Algebra II with a B or better**  
See Honors Program

**1MA48S1/1MA48S2 - AP Calculus I (11, 12) 1 credit**  
**Prerequisite: College Algebra/Trigonometry with a B or better**  
See Honors Program

**1MA49S1/1MA49S2 - AP Calculus II (12) 1 credit**  
**Prerequisite: AP Calculus I with a B or better/A score of 4 or 5 on Calc AB Exam**  
See Honors Program

**2OT3S1/2OT3S2 – Honors MetroMatematicas Basic Lab (9) 1 credit**  
**Prerequisite: Place into Algebra II, or by teacher/counselor recommendation**  
See Honors Program

**2OT4S1/2OT4S2 – Honors MetroMatematicas Advanced Lab (10) 1 credit**  
**Prerequisite: Honors MetroMatematicas Basic Lab**  
See Honors Program

## 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)

**2ML03S1/2ML03S2 - Spanish IC (9, 10, 11, 12)**

**1 credit**

**Prerequisite: 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.

**2ML04S1/2ML04S2 - Spanish IIC (9, 10, 11, 12)**

**1 credit**

**Prerequisite: 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 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

**2ML05S1/2ML05S2 - Español Nivel I / Level I (9, 10, 11, 12)**

**1 credit**

**Prerequisite: Placement Exam**

This course is recommended for students who are native speakers of Spanish and for those who placed in Level I based on the Spanish Placement test given at the middle school level. Students will be placed in Nivel I in order to better prepare students for Nivel II/III. Basic grammar (accents), communication skills. Beginner-intermediate writing, regional variants of the Spanish language and reading skills will be developed.

**2ML06S1/2ML06S2 - Español Nivel II / Level II (9, 10, 11, 12)**

**1 credit**

**Prerequisite: 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.

**2ML07S1/2ML07S2 - Español Nivel III / Level III (9, 10, 11, 12)**

**1 credit**

**Prerequisite: Successful completion of Nivel 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. Advanced grammar (accents), writing, speaking and reading skills will be developed.

## HONORS

**2ML48S1/2ML48S2 - AP Spanish Literature (10, 11, 12)**

**1 credit**

See Honors Program

**2ML59S1/2ML59S2 - IB Spanish A Higher Level I (11, 12)** **1 credit**  
See Honors Program

**2ML510S1/2ML510S2 - IB Spanish A Higher Level II (12)** **1 credit**  
See Honors Program

**2ML511S1/2ML511S2 - IB Spanish B I (10, 11)** **1 credit**  
See Honors Program

**2ML512S1/2ML512S2 - IB Spanish B II (11, 12)** **1 credit**  
See Honors Program

### **GERMAN**

**2ML08S1/2ML08S2 - German I (9, 10, 11, 12)** **1 credit**  
**May be taken as an Honors Class**

German I is a course for students who wish to learn how to speak, read, write and develop listening comprehension skills at an introductory level. Students will be engaged in fun activities including singing, word games, bingo, interviews, Kahoot- it, and other online games and exercises to reinforce fundamentals of grammar and culture. Level I students are expected to reach the proficiency level of Novice Mid to Novice High. The German-American Partnership Program(GAPP) is available for students who are interested in traveling to Germany through an international and academic exchange program.

**Requisites for Honors Classification:**

This German I Honors course is for students who wish to move at a faster pace and cover more academic material throughout the year which includes discussing a variety of German readings at grade appropriate level and discussing German topics from a historic and cultural point of view. We will still do fun activities and you are very welcome to take part in the NHS German-American Partnership Program, an academic program whereby you have the golden opportunity to travel to Germany and attend our partner school. But please hold in mind that you will work at a faster pace and be expected to demonstrate your proficiency through a presentation at the end of this course.

**2ML09S1/2ML09S2 - German II (10, 11, 12)** **1 credit**  
**May be taken as an Honors Class**

German II reinforces and builds upon the basics of German I and is not for the native speaker. Students hone their speaking, reading, writing, and listening comprehension skills in meaningful contexts. Level II students will be expected to reach a proficiency level of Novice High to Intermediate Low expressing meaning in personal contexts by combining what they know in verbal and written sentences. Students may also take part in the German-American Partnership Program, Nogales High School's international, academic, exchange program.

**Requisites for Honors Classification:**

German II Honors (Prerequisite, A or B in German I or teacher's signature if grade is a C ).

This course is a continuation of German I; however, students will be expected to move at a faster and more rigorous academic pace. This course will feature application of language skills in reading, writing, listening, and conversation. Vocabulary and grammar are presented, once again, but students will be expected to read, analyze, and discuss topics at a higher level. Students will improve writing skills through reading & composition. They will continue to explore the culture of the countries in which German is spoken and make a presentation at the end of the year to demonstrate proficiency. Level II students will be expected to reach a proficiency level of Intermediate High by expressing themselves in personal contexts and discussing topics

more in-depth than the regular class. Students are encouraged to take part in the German-American Partnership Program, NHS German Program.

### **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. 2PE01S1/2PE01S2 must be successfully completed before enrolling in any other physical education course.

#### **2PE01S1/2PE01S2 - 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. Students who are not dressing regularly for class will go through the discipline referral process. Subsequent failures to dress out (5 times per nine weeks) may result in failing grade.

#### **2PE02S1/2PE02S2 - Theory of Tennis (10, 11, 12) 1 credit**

**Prerequisite: Students must pass Weight Training and/or Theory of Tennis with a B or better in order to take class multiple years.**

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.

#### **2PE03S1/2PE03S2 - Adv. Personal Weight Training (Boys) (10, 11, 12) 1 credit**

**Prerequisite: B or better in PE. Students must pass Weight Training and/or Theory of Tennis with a B or better in order to take class multiple years.**

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.

#### **2PE04S1/2PE04S2 - Adv. Personal Weight Training for Girls (10, 11, 12) 1 credit**

**Prerequisite: B or better in PE. Students must pass Weight Training and/or Theory of Tennis with a B or better in order to take class multiple years.**

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.

### **SCIENCE**

#### **1SC03S1/1SC03S2 - Earth Science (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 requirements.

**1SC04S1/1SC04S2 - Biology I (10)****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 a metric measurement system is emphasized in lab work. This course meets university science requirements.

**1SC06S1/1SC06S2 - Biology II (11, 12)****1 credit****Prerequisite: Biology I**

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, interrelationships 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 to 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 requirements.

**1SC07S1/1SC07S2 - Chemistry (11, 12)****1 credit****Prerequisite: Algebra I and Physical Science with a C or better**

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.

**1SC05S1/1SC05S2 - Physical Science (9)****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 requirements.

**HONORS****1SC41S1/1SC41S2 - AP Physics (11, 12)****1 credit**

**Prerequisites: Chemistry and Algebra II and earned a C or better in both. Be enrolled in or have taken College Algebra/Trigonometry and earned a C or better and signature from a previous Science teacher.**

See Honors Program

**1SC37S1/1SC37S2 - IB Chemistry I (11, 12)**

**1 credit**

**Prerequisite: Algebra I and Physical Science with a B or better and signature from a former Science teacher.**

See Honors Program

**1SC58S1/1SC58S2 - IB Chemistry II (11, 12)**

**1 credit**

**Prerequisite: IB Chemistry I and Algebra II with a B or better in both classes or with department recommendation and signature from a former Science teacher.**

See Honors Program

**1SC34S1/1SC34S2 - Honors Biology I (10)**

**1 credit**

**Prerequisite: Algebra I and Physical Science with a B or better and signature from a former Science teacher.**

See Honors Program

**1SC56S1/1SC56S2 - IB Biology II (11, 12)**

**1 credit**

**Prerequisite: Honors Biology I with a B or better or with department recommendation and signature from former Science teacher.**

See Honors Program

**SOCIAL STUDIES**

**1SS01S1/1SS01S2 - World History/World Geography (9, 10, 11, 12)**

**1 credit**

This course promises to show exciting ways to look at World History and will also explain all the reasons why 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 throughout history. The class will also place an emphasis on developing reading and writing skills.

**1SS02S1/1SS02S2 - U.S./Arizona History (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 also place an emphasis on developing reading and writing skills.

**1SS07S1 - Economics (12) 1<sup>st</sup> Semester**

**½credit**

This course will have students learn the basic foundations of economics including Microeconomics, Macroeconomics, and Personal Finance.

**1SS06S2 - U.S./AZ Government (12) 2<sup>nd</sup> Semester**

**½credit**

This class is required for graduation. Students will learn about Federal, State and Local Government.

## HONORS

<b>1SS47S1/1SS47S2- AP World History /Geography (9, 10)</b> Not offered Independent Study See Honors Program	<b>1 credit</b>
<b>1SS44S1/1SS44S2 - AP American History (10, 11, 12)</b> Not offered Independent Study See Honors Program	<b>1 credit</b>
<b>1SS55S1/1SS55S2 - IB History of Americas (11)</b> Not offered Independent Study/Not offered in Summer School See Honors Program	<b>1 credit</b>
<b>1SS53S1/1SS53S2 - IB 20<sup>th</sup> Century History (12)</b> Not offered Independent Study/Not offered in Summer School See Honors Program	<b>1 credit</b>
<b>1SS46S1- AP US /AZ Government (11, 12) 1st Semester</b> Not offered Independent Study See Honors Program	<b>½ credit</b>
<b>1SS48S2- AP Microeconomics (11, 12) 2nd Semester</b> Not offered Independent Study See Honors Program	<b>½ credit</b>
<b>1SS58S1/1SS58S2 - IB Theory of Knowledge (11, 12)</b> Not offered Independent Study/Not offered in Summer School See Honors Program	<b>1 credit</b>

## 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.

<b>3AD10S1/3AD10S2 - Life Skills (9, 10, 11, 12)</b> <b>Prerequisite: Sp. Ed Placement</b> 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 various community based instruction.	<b>1 credit</b>
<b>3AD11S1/3AD11S2 - Study Skills I (9)</b> <b>Prerequisite: Sp. Ed Placement</b>	<b>1 credit</b>



This course is designed for freshmen students who are in need of basic study skills and require additional time, assistance and support with their homework, as well as educational relevant modifications or support from school personnel within their general education class. Students emphasize developing strong study skills techniques, organizational strategies, personal data, self-esteem awareness while incorporating an introduction to Arizona College and Career Competencies Skills.

**3AD12S1/3AD12S2 - Study Skills II (10)**

**1 credit**

**Prerequisite: Sp. Ed Placement**

This course is designed for sophomores to continue improving study skills styles and habits, offering support and assistance with homework assignments. Students learn to identify the importance of goal setting, self-regulation, self-advocacy, and self- efficacy. Students will research basic job skills assessments, complete surveys and inventories, and identify their strengths and weaknesses. There will be further emphasis placed on the Arizona College and Career Competencies Skills, facilitating student's intrapersonal development.

**3AD13S1/3AD13S2 - Study Skills III (11)**

**1 credit**

**Prerequisite: Sp. Ed Placement**

This course is designed for juniors to maintain and reinforce learned study skills, obtain assistance with homework assignments and support with their general education studies. Students place emphasis on career research and post-secondary opportunities. Students participate in group discussions, work/study and vocational skills. They will receive additional instruction focusing on the Arizona College and Career Competencies, interpersonal awareness.

**3AD14S1/3AD14S2 - Study Skills IV (12)**

**1 credit**

**Prerequisite: Sp. Ed Placement**

This course is designed for seniors to master strong and previously learned study skills, receive assistance with homework assignments and support with their general education coursework. Students are informed of their rights and responsibilities as they approach the age of maturity. Seniors will use their time in class to work on the three components of the senior exhibition: research paper, portfolio and presentation. They will have the opportunity to complete financial aid packets, job and scholarship applications, update resumes, and explore post-secondary connections. They will complete their final steps of employing the Arizona College and Career Competencies, providing them with the resources needed as they exit high school and enter post-secondary education and the workforce.

**ENGLISH COURSES**

**1EN11S1/1EN11S2    English Lab I (9)**

**1 credit**

**1EN12S1/1EN12S2    English Lab II (10)**

**1 credit**

**1EN13S1/1EN13S2    English Lab III (11)**

**1 credit**

**1EN14S1/1EN14S2    English Lab IV (12)**

**1 credit**

The English Language Arts and Literacy program implemented within the framework of the new Arizona College and Career Readiness Standards mandates all students in English classes upon graduation are prepared to enter the college and work training programs and 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, supplies evidence, uses a variety of words and creates a style and tone which is unique. In addition, students will read both literary works and informational text to analyze the development of the writing within a range of text's complexity, determining meanings, and comprehending literary nonfiction. Students will learn the importance of effective research, gathering information formulating arguments and citing

sources. Students will be evaluating specific claims, 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. They will write and focus on precise and thorough evidence which is more relevant, using transitional devices to create a formal style, active voice and tone. Students will learn to use the proper command English conventions in their writing. The 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 lifelong tool. 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. All students are required to utilize the Achieve 3000 reading program to improve reading skills and increase text level complexity. Classroom curriculum will be aligned to the AZCCRS, 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 as instruction will take place in the Special Education Classroom.

### **MATH COURSES**

#### **3MA11S1/3MA11S2 - Math Lab I: Algebra I**

**1 credit**

##### **Prerequisite: Sp. Ed Placement**

The Arizona College and Career Readiness Math Standards mandates all students must have the opportunity to learn and meet the same high standards as the general education population, so they may be prepared with the essential knowledge and skills necessary for success in their post-school lives. The Algebra I Standards will be taught 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 within a Special Education classroom setting. Students will be using the Laurus Program along with Khan Academy and Imagine Learning programs and adhering to their goals outlined in their Individualized Education Program.

#### **3MA12S1/3MA12S2 - Math Lab II: Geometry**

**1 credit**

##### **Prerequisite: Sp. Ed Placement**

The Arizona College and Career Readiness Math Standards mandates all students must have the opportunity to learn and meet the same high standards as the general education population, in order to prepare them with the knowledge and skills necessary for their post-school lives. The Geometry standards will be taught allowing for the widest possible range of students to participate fully, along with appropriate accommodations to ensure maximum participation of students with special education needs within the Special Education classroom. Students will be using the Laurus Program along with Khan Academy and Imagine Learning programs and adhering to their goals outlined in their Individualized Education Program.

#### **3MA13S1/3MA13S2 - Math Lab III: Algebra II**

**1 credit**

##### **Prerequisite: Sp. Ed Placement**

The Arizona College and Career Readiness Math Standards mandates all students must have the opportunity to learn and meet the same high standards as the general education population, so they prepare with the necessary knowledge and skills for their post-school lives. The Algebra II standards will be taught, allowing for the widest possible range of students to participate fully, along with appropriate accommodations to ensure maximum participation of students with special education needs within a Special Education classroom. Students will be using the Laurus Program along with Khan Academy and Imagine Learning programs and adhering to their goals outlined in their Individualized Education Program.

### **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. Students 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 GPAs). 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 an 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 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 a 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 20<sup>th</sup> Century History

IB Business & Management

### OTHER REQUIREMENT

Extended Essay

Theory of Knowledge

Creativity, Action, Service

### Group 4

EXPERIMENTAL SCIENCE

Biology

Chemistry SL

### Group 5

MATHEMATICS

Math App and Int

### Group 6

ELECTIVE SUBJECT

Art/Design

Additional from Group 3 Or 4

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, IB 20<sup>th</sup> Century World History, and IB Business.

**Group 4** Experimental Sciences: Biology, Chemistry SL

**Group 5** Mathematics: Mathematical Studies SL, Math SL

**Group 6** Electives: Art/Design, Business, 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 OFFERED AT NOGALES HIGH SCHOOL

### HONORS

Adobe

Air Force JROTC

Automotive Technology I, II, III

Biology I

Business Management I, II

Cabinetmaking I, II

Career Exploration

Culinary Arts I, II, III

Ceramics I

Geometry

Graphic/Web Design I, II

College Algebra/Trigonometry

Computer Maintenance I, II

Concert Band

German I, II

Fashion Design & Merchandising I, II

Mariachi I, II, III

MetroMatematicas Basic Lab

MetroMatematicas Advanced Lab

Network Technologies I, II

Piano I, II

Sports Medicine and Rehabilitation I, II

Symphonic Band

Theatre Arts

WarCry

Early Childhood Education I, II  
Economics  
English I, II, III, IV

### **ADVANCED PLACEMENT (AP)**

US/AZ History	Physics
Art	Spanish Literature
Calculus I, II	Microeconomics
Statistics	World History/Geography

### **INTERNATIONAL BACCALAUREATE (IB)**

Art	20 <sup>th</sup> Century History
Biology II	Chemistry I, II
Spanish A I, II	Spanish B I, II
English III, IV	History of the Americas
Business Management III	Theory of Knowledge
Psychology	Math Applications and Interpretation

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

#### **Freshman Year:**

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

\*Physical Education

\*Recommendation to take during summer school

#### **Sophomore Year:**

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

#### **Junior Year:**

English: IB English III  
Mathematics: Honors College Algebra/Trigonometry; IB Math App and Intrep.  
Science: IB Chem I / IB Bio II or IB Chem I & Business or IB Bio II & Business  
History: IB History of the Americas\*\*  
Modern Language: IB Spanish A year I for native speakers; IB Spanish B for non-native speakers  
TOK Theory of Knowledge (second semester, zero hour)  
\*US Government: Recommended to take by correspondence or in summer school

#### **Senior Year:**

English: IB English IV  
Mathematics: IB/Mathematics App and Intrep.; AP Calculus I; AP Statistics  
Science: IB Chem II and/or IB Business  
History: IB 20<sup>th</sup> Century History\*\*  
Modern Language: IB Spanish A year II for native speakers; IB Spanish B year II for non-

TOK: native speakers  
Theory of Knowledge (First semester)

\*US Government: Recommended to take by correspondence

\*\*IB History of the Americas and IB 20<sup>th</sup> Century History ***must both be completed*** in order to meet the US/AZ History graduation requirement.

### **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 or CTE	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. Three IB exams must be taken at Higher Level and three at Standard Level. The candidate must obtain a minimum of 24 points to receive the IB Diploma. The candidate cannot obtain a "2" on a Higher Level exam. Extra points may be earned through the Extended Essay and Theory of Knowledge.



**HONORS / AP / IB COURSE DESCRIPTIONS**  
**CTE/JTED HONORS COURSES**

**AFJROTC PROGRAM**

**2AF0151/2AF0152 - AFJROTC A Journey into Aviation History (9- 12)**

**1 credit**

Honors A Journey into Aviation History is an optional honors class. Senior Aerospace Science instructor approval is required for entry. Honors students will do everything other students do and use the same text as in the regular course. Honors students will help teach the classes and do detailed research on aviation projects, become subject matter experts on the advancement of airpower and the role of air superiority in national defense. They will write the cadet guide, class syllabus, and classroom rules under supervision of the Senior Aerospace Science Instructor. The cadet guide will include cadet goals, corps organization structure, program expectations, opportunities, and promotion criteria. In the leadership component, honor students will be element leaders, flight commanders, and serve on the group staff.

**BUSINESS PROGRAM**

**7CT370S1/7CT370S2 – Career Exploration (9)**

**1 credit**

Freshman students must be enrolled in one other core Honors class and join the 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. In addition to the regular classroom assignments, there will be additional, rigorous assignments and expectations will be set at a higher level. The students will have to prepare a presentation on an approved topic to be presented to the class using multi-media every quarter. Students will also be required to participate in FBLA activities and complete five hours of community service.

**7CT371S1/7CT070S2 – Business Management I Honors (9, 10, 11, 12)**

**1 credit**

Sophomores, Juniors and Seniors must be enrolled in two other core Honors classes and join FBLA. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors areas of this class. In addition to the regular classroom assignments, there will be additional, rigorous assignments and expectations will be set at a higher level. The students will have to prepare a presentation on an approved topic to be presented to the class using multi-media every quarter. Students will also be required to participate in FBLA activities and complete five hours of community service.

**CIP code: 52.0200.10**

**7CT371S1/7CT371S2 –Business Management II Honors (10, 11,12)**

**1 credit**

**Prerequisite: Business Management I**

Students must be enrolled in two other core 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. **CIP code: 52.0200.20**

**7CT373S1/7CT373S2 –IB Business Management III (11, 12)**

**1 credit**

**Prerequisite: Business Management I Honors with a “B” or better, and FBLA member. Preferred if Business Management II Honors has been taken prior to this course.**

The business management course is designed to develop students’ knowledge and understanding of business management theories, as well as their ability to apply a range of tools and techniques. Students learn to analyze, discuss and evaluate business activities at local, national, and international levels. The course covers a range of organizations from all sectors, as well as the socio-cultural and economic contexts in which those organizations operate. The course covers the key characteristics of business organization and environment and the business functions of human resource management, finance and accounts, marketing and operations management. Links between the topics are central to the course. Through the exploration of six underpinning concepts (change, culture, ethics, globalization, innovation and strategy), the course allows students to develop a holistic understanding of today’s complex and dynamic business environment. The conceptual learning is

firmly anchored in business management theories, tools and techniques and placed in the context of real world examples and case studies. **CIP code: 52.0200.30**

## **FAMILY AND CONSUMER SCIENCE PROGRAM**

### **Early Childhood Education Program**

**7CT374S1 – Early Childhood Education I Honors (11, 12) 1<sup>st</sup> Sem. Block** **1 credit**

In addition to the regular classroom assignments, there will be a quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 13.1210.10**

**7CT375S2 – Early Childhood Education II Honors (11, 12) 2<sup>nd</sup> Sem. Block** **1 credit**

**Prerequisite: Early Childhood Education I Honors**

In addition to the regular classroom assignments, there will be a quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 13.1210.20**

## **CULINARY ARTS PROGRAM**

**7CT052S1/7CT052S2 – Culinary Arts I Honors (10, 11)** **1 credit**

The honors portion of this class requires students to develop a 90 recipes cookbook on a teacher approved topic of choice. Recipes are to be gathered from magazines or cookbooks (no internet recipes), to be completed within the first 3 quarters. During the 4<sup>th</sup> quarter, students will be responsible for an oral/visual class presentation. Students must also be enrolled in two other core honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code: 12.0500.10**

**7CT054S1/7CT054S2 – Culinary Arts II (11, 12)** **Lab Fee** **1 credit**

**Prerequisite: Culinary Arts I and Teacher Recommendation**

**May be taken as an *Honors Class***

This program is designed for students who have successfully completed Fundamentals of Culinary Arts and want to learn the advanced technical knowledge and skills required for many foodservice industry occupations. All of the skills taught in Fundamentals of Culinary Arts will be reinforced and new topics will be introduced to strengthen knowledge of the food industry. Practical experiences will be increased with more event participation and our Campus Café. Students are eligible to earn State CTE program Industry Certification and National Industry ServSafe Certification.

**Requisites for Honors Classification:** The Honors portion of this class requires students to expand on their cookbook from 1<sup>st</sup> year Culinary Arts and add two new sections and a cooking demo using a recipe from their recipe book during second semester. Students must also be enrolled in two other core honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code: 12.0500.20**

**7CT090S2 – Culinary Arts III (11, 12)** **Lab Fee** **1 credit**

**Prerequisite: Culinary Arts I and Teacher Recommendation**

**May be taken as an *Honors Class***

This program is designed for students who have successfully completed Fundamentals of Culinary Arts and in conjunction with Culinary Arts II (recommended not required); for those who want to learn the advanced technical knowledge and skills required for many foodservice industry occupations. All of the skills taught in Fundamentals of Culinary Arts will be reinforced and new topics will be introduced to strengthen knowledge of the food industry. Practical experiences will be increased with more event participation and our Campus Café To further enhance the college and career ready path, Culinary II and III are also offered as a Dual-Enrollment course through Pima Community College. Our courses would transfer as CUL 105 Food Safety and Nutrition and CUL140 Culinary Principles at PCC, or as electives at most other higher learning institutions. Dual-Enrollment is optional and with the student’s consent. Students are eligible to earn State

*CTE program Industry Certification and National Industry ServSafe Certification.*

**Requisites for Honors Classification:** The Honors portion of this class requires students to expand on their cookbook from 1<sup>st</sup> year Culinary Arts and add two new sections and a cooking demo using a recipe from their recipe book during second semester. Students must also be enrolled in two other core honors classes and students must also maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code:12.0500.25**

### **FASHION DESIGN AND MERCHANDISING PROGRAM**

**7CT030S1/7CT030S2 – Fashion Design and Merchandising I Honors (10, 11, 12) 1 credit**

In addition to the regular classroom assignments, there will be a quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 52.1900.11**

**7CT032S1/7CT032S2 – Fashion Design and Merchandising II Honors (11, 12) 1 credit**

**Prerequisite: Fashion Design and Merchandising I Honors**

In addition to the regular classroom assignments, there will be a quarterly research paper. Students must also be enrolled in two other core 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. **CIP code: 52.1900.20**

### **CONSTRUCTION TECHNOLOGIES PROGRAM**

**7CT042S1/7CT042S2 – Cabinetmaking I Honors (10, 11, 12) 1 credit**

The Honors portion of this class requires the student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on a topic related to cabinetmaking, design or engineering. One presentation per month is required. For a student to qualify for an Honors (Weighted Grade) position in this program, they must meet the following criteria: Students are only allowed into the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in, and continue to benefit from, the Optional Honors area of this class. **CIP code: 46.0400.13**

**7CT044S1/7CT044S2 - Cabinetmaking II Honors (11, 12) 1 credit**

**Prerequisite: Cabinetmaking I Honors**

The Honors portion of this class requires the student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on a topic related to cabinetmaking, design or engineering. One presentation per month is required. For a student to qualify for an Honors (Weighted Grade) position in this program, they must meet the following criteria: Students are only allowed into the Optional Honors portion of this class with the application to, review by, and permission of the instructor. Students in this section must be enrolled in at least two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in, and continue to benefit from, the optional Honors area of this class. **CIP code: 46.0400.40**

### **TRANSPORTATION TECHNOLOGIES PROGRAM**

**7CT034S1/7CT034S2 – Automotive Technology I Honors (10, 11, 12) 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 core 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. **CIP code: 47.0600.11**

**7CT036S1 – Automotive Technology II Honors (11, 12) 1<sup>st</sup> Sem. Block 1 credit**

**Prerequisite: Automotive Technology I Honors**

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 core 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. **CIP code: 47.0600.20**

**7CT036S2 – Automotive Technologies III Honors (11, 12) 2<sup>nd</sup> Sem. Block 1 credit**

**Prerequisite: Automotive Technologies II Honors**

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 core 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. **CIP code: 47.0600.25**

### **MULTIMEDIA PROGRAM**

#### **Graphic/Web Design Program**

**7CT040S1 – Graphic/Web Design I Honors (10, 11, 12) 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 core 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. **CIP code: 10.0200.12**

**7CT040S2 – Graphic/Web Design II Honors (11, 12) 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 core 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. **CIP code: 10.0200.30**

### **MEDICAL CAREERS**

**7CT395S1/7CT395S2- Sports Medicine and Rehabilitation Services I Honors (10-11) 1 credit**

Students enrolled in the Honors curriculum will also be exposed to evidence-based research pertaining to the body systems and human anatomy, evaluation of health and performance, safety and infection control best practices, management strategies for acute care emergencies and non-emergencies, various injury assessment techniques, the application of therapeutic exercise, use of therapeutic modalities, and psychological techniques to apply in the injury evaluation and rehabilitation process. **CIP code:51.0800.50**

**7CT096S1/7CT096S2- Sports Medicine and Rehabilitation Services II Honors (10-12) 1 credit**

**Prerequisite: Sports Medicine and Rehabilitation Services I**

Students enrolled in the Honors curriculum will also be exposed to evidence-based research pertaining to emergency medical response, CPR/First Aid, tissue healing, pharmacology, sports law and ethics, therapeutic modalities, and medical budgeting. Sports Medicine II Honors students will also gain experience hours working with an Athletic Trainer to provide athletic training services and other healthcare professionals to gain an understanding of different careers under the sports medicine umbrella. **CIP code:51.0800.50**

### **NETWORK TECHNOLOGY PROGRAM**

**7CT062S1/7CT062S2 –Networking Technologies I Honors (10, 11, 12) 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 Apache Geek Squad. Students must be enrolled in two other core Honors classes. Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class. **CIP code: 15.1200.12**

**7CT037S1/7CT037S2 – Network Technologies II Honors (10, 11, 12) 1 credit**

**Prerequisite: Networking Technologies I Honors**

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 Apache Geek Squad. Students must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code: 15.1200.30**

**7CT058S1/7CT058S2 – Computer Maintenance I (10, 11) 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 Apache Geek Squad. Students must be enrolled in two other core Honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code: 15.1200.11**

**7CT060S1/7CT060S2 - Computer Maintenance II Honors (10, 11, 12) 1 credit**

**Prerequisite: Computer Maintenance I Honors**

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 Apache Geek Squad. Students must be enrolled in two other core honors classes. Students must maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class. **CIP code: 15.1200.20**

**ENGLISH**

**1EN31S1/1EN31S2 - Honors English I (9) 1 credit**

**Prerequisite: 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

**1EN32S1/1EN32S2 - Honors English II (10) 1 credit**

**Prerequisite: Honors English I 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.

**1EN33S1/1EN33S2 - Honors English III (11) 1 credit**

**Prerequisite: Honors English II or Teacher Recommendation; 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.

**1EN34S1/1EN34S2 - Honors English IV (12)**

**1 credit**

**Prerequisite: Honors English III or Teacher Recommendation; 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.

**1EN53S1/1EN53S2 - IB English III (11)**

**1 credit**

**Prerequisite: Honors English II with a B or better**

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.

**1EN54S1/1EN54S2 - IB English IV (12)**

**1 credit**

**Prerequisite: IB English III**

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.

**1EN43S1/1EN43S2 - AP English Language and Composition III (11)**

**1 credit**

**Prerequisite: Honors English II with a B or better**

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 non-fiction 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. It is strongly recommended that students enrolled in this class should take the AP Exam.

**1EN44S1/1EN44S2 - AP Literature and Composition IV (12)**

**1 credit**

**Prerequisite: AP English Language and Composition III**

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. It is strongly recommended that students enrolled in this class should take the AP Exam.

**FINE ARTS**

**2FA63S1/2FA63S2 - IB/AP Art (10, 11, 12)**

**Lab Fee**

**1 credit**

**Prerequisite: Art II or Teacher Recommendation**

This is an advanced college level, discipline-based Studio Art course for highly motivated students. Emphasis on independent art making, inventive thinking, research, experimentation, discovery, critical analysis, and problem-solving are the key objectives for this course. The AP component is on Drawing or 2-D design with the main focus on developing an AP Studio Art Portfolio which takes the place of an AP Exam. The portfolio consists of 24 finished art pieces (12 Breadth: range of approaches and 12 Concentration: sustained investigation) with 5 quality pieces mailed to the examination location. The IB component is a Standard Level studio art course that will include theoretical, art making and curatorial practices. A comparative study, process portfolio and individual exhibit is the documentation for the IB examination.

**2FA31S1/2FA31S2 - Honors Theatre Arts (9, 10, 11, 12)**

**1 credit**

**Prerequisite: 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 core 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.

**2FA06S1/2FA06S2 – Honors Ceramics II (11, 12)**

**Lab Fee**

**1 credit**

**Prerequisite: Ceramics I**

This course follows and builds upon the skills learned in Ceramics I. Focus will be on the construction of more complex pieces through creativity and problem solving. This class will introduce the additional challenge of the fundamentals of wheel throwing. A sketchbook will be maintained for research and planning, additional writing assignments during each quarter as well as presentations adding additional rigor to this course. Juniors and Seniors must be enrolled in two other core honors classes. Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

**MUSIC**

**2FA39S1/2FA39S2 - Honors Concert Band (9, 10, 11, 12)**

**Lab Fee**

**1 credit**

In addition to the requirements of the regular course description, students must complete one requirement per semester to earn an honor's credit for this course. All project details must be reviewed and approved by the instructor before initiation of choice. Options: 1) Attendance and completion of an approved workshop or clinic related to primary instrument plus a 350-word summary on what they learned, 2) Audition, acceptance and performance into an Honors Band Festival, 3) Study and take lessons on primary instrument for one full semester, 4) Complete a music research paper about a musical artist or composer; see instructor for detailed requirements of research paper, 5) Class presentation on an approved music related topic. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

**2FA311S1/2FA311S2 - Honors Symphonic Band (9, 10, 11, 12)**

**1 credit**

**Prerequisite: Audition or Director Approval**

In addition to the requirements of the regular course description, students must complete one requirement per semester to earn an honor's credit for this course. All project details must be reviewed and approved by the instructor before initiation of choice. Options: 1) Attendance and completion of an approved workshop or clinic related to primary instrument plus a 350-word summary on what they learned, 2) Audition, acceptance and performance into an Honors Band Festival, 3) Study and take lessons on primary instrument for one full semester, 4) Complete a music research paper about a musical artist or composer; see instructor for detailed requirements of research paper, 5) Class presentation on an approved music related topic. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

**2FA312S1/2FA312S2 - Honors Jazz Ensemble (9, 10, 11, 12) 1 credit**

**Prerequisite: Instructor Approval**

In addition to the requirements of the regular course description, students must complete one requirement per semester to earn an honor's credit for this course. All project details must be reviewed and approved by the instructor before initiation of choice. Options: 1) Attendance and completion of an approved workshop or clinic related to primary instrument plus a 350-word summary on what they learned, 2) Audition, acceptance and performance into an Honors Band Festival, 3) Study and take lessons on primary instrument for one full semester, 4) Complete a music research paper about a musical artist or composer; see instructor for detailed requirements of research paper, 5) Class presentation on an approved music related topic. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honors classes. Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

**MARIACHI**

**2FA313S1/2FA313S2 - Honors Mariachi I (9, 10, 11, 12) 1 credit**

**2FA314S1/2FA314S2 - Honors Mariachi II (9, 10, 11, 12) 1 credit**

**2FA315S1/2FA315S2 - Honors Mariachi III (9, 10, 11, 12) 1 credit**

Students in these courses 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. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core honors classes. Students must maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

**PIANO**

**2FA319S1/2FA319S2 - Honors Piano I (9, 10, 11, 12) 1 credit**

**2FA320S1/2FA320S2 - Honors Piano II (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) Study and take private piano lessons that last at least one semester, 2) Complete a research project about a musical artist or composer, please see instructor for detailed requirements of project, and 3) Present a performance piece to be performed in front of peers. Students must also be enrolled in two other core 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**

**1MA32S1/1MA32S2 - Honors Geometry (10) 1 credit**

**Prerequisite: 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.

**1MA35S1/1MA35S2 - Honors College Algebra/Trigonometry (10, 11, 12) 1 credit**

**Prerequisite: Algebra II and Geometry with a C or better**



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 coursework 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)

**1MA56S1/1MA56S2 - IB Math Application and Interpretation (11, 12)**

**1 credit**

**Prerequisite: College Algebra/Trigonometry with a C or better**

The IB DP Mathematics: applications and interpretation course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modeling. To give this understanding a firm base, this course includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. Students are encouraged to solve real-world problems, construct and communicate this mathematically and interpret the conclusions or generalizations.

Students should expect to develop strong technological skills and will be intellectually equipped to appreciate the links between the theoretical and the practical concepts in mathematics. All external assessments involve the use of technology. Students are also encouraged to develop the skills needed to continue their mathematical growth in other learning environments.

The internally assessed exploration allows students to develop independence in mathematical learning. Throughout the course, students are encouraged to take a considered approach to various mathematical activities and to explore different mathematical ideas.

**1MA47S1/1MA47S2 - AP Statistics (11, 12)**

**1 credit**

**Prerequisite: Algebra II with a B or better**

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.

**1MA48S1/1MA48S2 - AP Calculus I (11, 12)**

**1 credit**

**Prerequisite: College Algebra/Trigonometry with a B or better**

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.

**1MA49S1/1MA49S2 - AP Calculus II (12)**

**1 credit**

**Prerequisite: AP Calculus I with a B or better/A score of 4 or 5 on Calc AB Exam**

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.

**MODERN LANGUAGES**

**2ML48S1/2ML48S2 - AP Spanish Literature (10, 11, 12)**

**1 credit**

**Prerequisite: Nivel III with a grade of "C" or better or Teacher Recommendation**

This one-year course (Advanced Placement Spanish Literature) is intended to be equivalent to 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 examinations 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 and/or students with at least one year of Spanish class below Nivel III**

**2ML59S1/2ML59S2 - IB Spanish A I (11)**

**1 credit**

**Prerequisite: Nivel III, AP Spanish Literature, IB candidate or teacher recommendation**

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.

**2ML510S1/2ML510S2 - IB Spanish A II (12)**

**1 credit**

**Prerequisite: 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.

**2ML511S1/2ML511S2 - IB SPANISH B I (11)**

**1 credit**

**Prerequisite: This course is recommended for non-Spanish speakers who are anticipated IB candidates, non-Spanish speakers who are highly motivated students who would like to study and be challenged in the Spanish language. Students must take at least one year of Spanish at NHS, based on placement tests. If a student is a non-native Spanish speaker, IC & IIC are recommended. If a student is a native speaker and either places into Español Nivel II or III or has taken Nivel II or III at NHS, student is not eligible to take this course and can take IB Spanish A, unless the student has a teacher's recommendation.**

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 translations 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.

**2ML512S1/2ML512S2 - IB Spanish B II (12)**

**1 credit**

**Prerequisite: IB Spanish B I**

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.

**2ML08S1/2ML08S2 - German I Honors (10, 11, 12)**

**1 credit**

This German I Honors course is for students who wish to move at a faster pace and cover more academic material throughout the year which includes discussing a variety of German readings at grade appropriate level and discussing German topics from a historic and cultural point of view. We will still do fun activities and you are very welcome to take part in the NHS German-American Partnership Program, an academic program whereby you have the golden opportunity to travel to Germany and attend our partner school. But please hold in mind that you will work at a faster pace and be expected to demonstrate your proficiency through a presentation at the end of this course.

### **2ML09S1/2ML09S2 - German II Honors (10, 11, 12)**

**1 credit**

German II Honors (Prerequisite, A or B in German I or teacher's signature if grade is a C).

This course is a continuation of German I; however, students will be expected to move at a faster and more rigorous academic pace. This course will feature application of language skills in reading, writing, listening, and conversation. Vocabulary and grammar are presented, once again, but students will be expected to read, analyze, and discuss topics at a higher level. Students will improve writing skills through reading & composition. They will continue to explore the culture of the countries in which German is spoken and make a presentation at the end of the year to demonstrate proficiency. Level II students will be expected to reach a proficiency level of Intermediate High by expressing themselves in personal contexts and discussing topics more in-depth than the regular class. Students are encouraged to take part in the German-American Partnership Program, NHS German Program.

## **SCIENCE**

### **1SC41S1/1SC41S2 - AP Physics (11, 12)**

**1 credit**

**Prerequisites: Chemistry and Algebra II and earned a C or better in both. Be enrolled in or have taken College Algebra/Trigonometry and earned a C or better and signature from a previous Science teacher.**

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.

### **1SC37S1/1SC37S2 - IB Chemistry I (11, 12)**

**1 credit**

**Prerequisite: Algebra I and Physical Science with a B or better and signature from a former Science teacher.**

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.

### **1SC58S1/1SC58S2 - IB Chemistry II (11, 12)**

**1 credit**

**Prerequisite: IB Chemistry I and Algebra II with a B or better in both classes and signature from former Science teacher.**

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.

### **1SC54S1/1SC54S2 - Honors Biology I (10)**

**1 credit**

**Prerequisite: Algebra I and Physical Science with a B or better and signature from former Science teacher.**

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.

**1SC56S1/1SC56S2 - IB Biology II (11, 12)**

**1 credit**

**Prerequisite: Honors Biology I with a C or better or a signature from a former Science teacher.**

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 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.

**SOCIAL STUDIES**

**1SS47S1/1SS47S2- AP World History /Geography (9, 10)**

**1 credit**

AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. There are no prerequisites for AP World History: Modern. Students should be able to read a college-level textbook and write grammatically correct, complete sentences.

**1SS44S1/1SS44S2 - AP US/AZ History (11)**

**1 credit**

**Prerequisite: Honors World History/Geography with a B or better or recommendation.**

**If the course is taken during the summer, both sessions must be completed. No 2<sup>nd</sup> semester entry.**

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.

**1SS55S1/1SS55S2 - IB History of the Americas (11)**

**1 credit**

**Prerequisite: Honors World History/Geography with a B or better or recommendation.**

**Meets US/AZ History requirement upon completion of IB 20<sup>th</sup> Century History**

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.

**1SS53S1/1SS53S2 - IB 20<sup>th</sup> Century History (12)**

**1 credit**

**Prerequisite: Meets US/AZ History requirement upon completion of IB History of the Americas**

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 second 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 20<sup>th</sup> 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.

**1SS48S2-AP Microeconomics (11,12) 2nd Semester**

**1/2 credit**

AP Microeconomics is a college-level course that introduces students to the principles of economics that apply to the functions of individual economic decision-makers. The course also develops students' familiarity with the operation of product and factor markets, distributions of income, market failure, and the role of government in promoting greater efficiency and equity in the economy. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. AP Microeconomics is equivalent to a one-semester introductory college course in economics. There are no prerequisites for AP Microeconomics. Students should be able to read a college-level textbook and possess basic mathematics and graphing skills.

**1SS46S1 - AP US/AZ Government (11, 12) 1st Semester**

**1/2 credit**

**Prerequisite: Concurrent enrollment or successful completion of AP US History/IB History of the Americas. Not offered as independent study**

(See Honors Economics)

AP Government is taught as a college level principles of economics course. Arizona standards of Reading, Writing, and Speaking are emphasized at the level needed for success in college. Students will learn about Federal, State and Local Government. 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.

**1SS58S1/1SS58S2 - IB Theory of Knowledge (TOK) (11, 12)**

**1 credit**

**Prerequisite: IB Diploma Candidate and concurrently taking another IB course or has successfully completed another IB course**

*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.

**OTHER HONORS /IB COURSES**

**2OT33S1/2OT33S2 - Honors WarCry (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 core 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.

**2OT3S1/2OT3S2 – MetroMatemáticas Honors Basic Lab (9)**

**1 credit**

**Prerequisite: Place into Algebra II, or by teacher/counselor recommendation**

This course is designed to provide students exposure and understanding of various types of highly accurate measuring instruments and coordinate machines used in the 21<sup>st</sup> Century Advanced Manufacturing Industry

(Aerospace, Aeronautics, Automotive, Electronics, Robotics, Nanotech, Biotech). During the course of study students will learn in-depth: various types of Rulers (Metric as well as inch) Goniometer, Micrometers, Calipers, Height gauges, and Digital Coordinate Machines while integrating Arizona State Math Standards for Grades 9-10 in their experimentations and understanding of essential concepts related to Trigonometry, Plane and Solid Geometry. This course lays the foundation for developing curiosity, critical thinking, teamwork and problem solving skills among students through hands-on experimentation along with learning mathematical concepts from Geometry and Algebra. Students will learn to develop their own conjectures and support their reasoning through scientific method experimentation.

**2OT4S1/2OT4S2 – MetroMatemáticas Honors Advanced Lab (10)**

**1 credit**

**Prerequisite: MetroMatemáticas Honors Basic Lab**

This course is designed to provide students exposure and understanding about Probability & Statistics, SPC Control Charts, and Analytical Geometry. During the course of study students, using highly accurate instruments will learn in-depth: How to apply Statistics to make conjectures and critique their own reasoning through collection of data, to use all five modules of math learned and apply to real-world problem solving situations. Students will work toward earning a Six Sigma Belt at the completion of the last semester. This methodology outlines special projects with processes of problem-solving to improve consistency in industry. The Six Sigma certification is highly regarded with quality control professionals, and will open the door to students acquiring all levels of Six-Sigma training.

**2OT301S1/2OT301S2 - IB Psychology**

**1 credit**

The IB Diploma Program psychology course is the systematic study of behavior and mental processes. Since the psychology course examines the interaction of biological, cognitive and sociocultural influences on human behavior, it is well placed in group 3, individuals and societies. Students undertaking the course can expect to develop an understanding of how psychological knowledge is generated, developed and applied. This will allow them to have a greater understanding of themselves and appreciate the diversity of human behavior. The holistic approach reflected in the curriculum, which sees biological, cognitive and sociocultural analysis being taught in an integrated way ensures that students are able to develop an understanding of what all humans share, as well as the immense diversity of influences on human behavior and mental processes. The ethical concerns raised by the methodology and application of psychological research are also key considerations of the IB psychology course. In addition to the three levels of analysis, the IB curriculum requires an in-depth study of another area of psychology. We will study the Human Relationship and Abnormal Psychology options, weaving in the three levels of analysis as we examine the two topics. You are to be commended for taking on the challenge of a college-level course during the next two years. If the effort is put in, the rewards can be significant. It is our goal to create a level of understanding and interest in psychology that will benefit you in this class and the rest of your college-level classes.