

**Nogales High School
2017-2018
Course Description Book**



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NUSD #1 Compliance Statements

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

DISTRICT MISSION AND BELIEF STATEMENT

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

- Goal #1: 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 21st 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

Raising Student Achievement

Nogales High School’s Motto

Buckle Up

OVERVIEW

Annual Public Notification of Nondiscrimination

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

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

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

Notificación de No Discriminación

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

Esta noticia es provista y requerida por el Título VI del Acto de Derechos Civiles de 1964, Sección 504 del Acto de Rehabilitación de 1973, Título IX de la Enmienda Educativa de 1972, en el Acto de 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. **Yvette Favela, Subdirectora, Nogales High School. 1905 N. Apache Blvd, Nogales AZ 85621 (520) 377-2021**

Registration

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

Selecting a Program of Study

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

Graduation Course Requirements:

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

Other NHS graduation requirements:

- Senior Exhibition
- Civics Test

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

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

Transferring of Credit

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

Course work from non-accredited institutions is not accepted

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

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

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

Community College / University Requirements

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

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

ACT or SAT examination is required for admission to all state universities. It is recommended that students take both exams during their junior and senior years. Approximately 85% of all universities take the higher score. It is recommended that students take the PSAT as a junior for qualifying score for National Merit Scholarships.

Class Rank

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

Grading

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

Weighted and Non-Weighted Grade Point System

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

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

Dropping Classes / Change of Schedule

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

Even with careful planning, at times it may be necessary to request a schedule change. Schedule changes will be made during the first 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 10th 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 counselor. Principal's approval is required before the course can begin. Students may get more information from their guidance counselor.

Retaking a Course

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

Student Grade Classification

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

10th	5
11th	11
12th	16

Career and Technical Education Department – CTE

AFJROTC COURSES

2AF01S1/2AF01S2 – AFJROTC A Journey into Aviation History (9, 10, 11, 12) 1 credit

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.

2AF31S1/2AF31S2 – AFJROTC Honors A Journey into Aviation History (9,10,11,12) 1 credit

AFJROTC 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 a detailed research on aviation projects, become subject matter experts on the advancement of airpower and the roll 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

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

BUSINESS PROGRAM

7CT047S1/7CT047S2 – Introduction to Business Management & Administrative Services (9, 10, 11, 12) 1 credit

May be taken as an Honors Class

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

Requisites for Honors Classification: Freshmen students must be enrolled in one other core Honors class and join Future Business Leaders of America (FBLA). 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 area of this class. **CIP code: 52.0200.10**

7CT049S1/7CT049S2 – Basic Business Management & Administrative Services (10, 11, 12)
Prerequisite: Intro to Business Management & Administrative Services **1 credit**
May be taken as an Honors Class

Students will learn the skills necessary to prepare for a future career. Topics to be covered include written and oral communication, financial management, leadership development, human resource functions, general office functions, accounting practices, decision-making, develop job search skills, and investigate careers. Students will also develop their computer skills in word processing, spreadsheets, presentation software, and internet use. Students will complete a work-based simulation in class which will allow them to experience on-the-job training. Students will also work the school store to practice and master managerial and customer service skills. Students are eligible to earn CTE program Industry 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 – Advanced Business Management & Administrative Services (IB)
(11, 12) **1 credit**

Prerequisite: Intro to Business Management & Administrative Services (Honors) with a B or better, and FBLA member. Preferred if Business Management & Administrative Services (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

7CT056S1 – Fundamentals of Early Childhood Education (11, 12) 1st 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**

7CT056S2 – Early Childhood Education Applications (11, 12) 2nd Sem. Block **1 credit**
Prerequisite: Fundamentals of Early Childhood Education

Students who complete both Fundamentals of Early Childhood Education and Early Childhood Education Applications 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**

7CT052S1/7CT052S2 – Fundamentals of Culinary Arts (10, 11) Lab Fee 1 credit
May be taken as an *Honors Class*

This program is designed to give students the technical knowledge required for the food service industry. Students will be taught the skills of Communication, Kitchen Safety and Food Sanitation, Basic Nutrition, Foodservice Math, Measuring, 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 write a research paper and perform an in-class presentation on their paper during fourth quarter. This presentation can be visual or a cooking demonstration for the class. 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 Applications (11, 12) Block Lab Fee 2 credits
Prerequisite: Fundamentals of Culinary Arts

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.

Students are eligible to earn CTE program Industry Certification.

Requisites for Honors Classification: The honors portion of this class requires students to write a research paper and perform an in-class presentation on their paper during fourth quarter. This presentation can be visual or a cooking demonstration for the class. 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**

Fashion Design and Merchandising Program

7CT030S1/7CT030S2 – Fundamentals of Design and Merchandising (10, 11, 12) 1 credit
Lab fee 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**

7CT032S1/7CT032S2 – Fashion Design and Merchandising Applications (11, 12) 1 credit
Lab fee May be taken as an *Honors Class*

Prerequisite: Fundamentals of Design and Merchandising

This class is for students who want to extend their knowledge in the field of Design and Merchandising. This class is designed for those students who want a challenge and will participate in the student organization FCCLA units. Students who complete *Fundamentals of Design and Merchandising* and *Fashion Design and Merchandising Applications* and pass the CTE state assessment will receive a certificate of employability in Design and Merchandising. 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: 52.1900.20**

CONSTRUCTION TECHNOLOGIES PROGRAM

7CT042S1/7CT042S2 – Construction Technologies Core Curriculum (9, 10, 11, 12) 1 credit

May be taken as an *Honors Class*

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

Requisites for Honors Classification: The Honors portion of this class requires student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on an approved topic. 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. 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, and continue to benefit from, the Optional Honors area of this class. **CIP code: 46.0400.13**

7CT044S1/7CT044S2 – Cabinetmaking (11, 12) 1 credit

Prerequisite: Construction Technologies Core Curriculum

May be taken as an *Honors Class*

This course is a continuation of *Construction Technologies Core Curriculum*, but designed for the student who really wants a challenge. In depth study as well as attainment of precise skills in design, fabrication, assembly, and finishing are required as well as participation in class units in the student organization Skills/USA. Students are eligible to earn CTE program Industry Certification.

Requisites for Honors Classification: The Honors portion of this class requires student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on an approved topic. 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. 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, and continue to benefit from, the Optional Honors area of this class. **CIP code: 46.0400.40**

TRANSPORTATION TECHNOLOGIES PROGRAM

7CT034S1/7CT034S2 – Transportation Technologies Core Curriculum (10, 11, 12) 1 credit

Lab fee 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**

7CT036S1 – Automotive Technologies I (11, 12) 1st Sem. Block Lab fee 1 credit

Prerequisite: Transportation Technologies Core Curriculum

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**

7CT036S2 – Automotive Technologies II (11, 12) 2nd Sem. Block Lab fee 1 credit

May be taken as an *Honors Class*

This course is a continuation of Automotive Technology I to meet the appropriate hours for AES certification. *Students are eligible to earn CTE program Industry Certification.*

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

Graphic/Web Design Program

7CT038S1/7CT038S2 – Communications Media Technologies Fundamentals (9,10,11) 1 credit

Lab Fee May be taken as an *Honors Class*

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

Requisites for Honors Classification: The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Freshmen students must 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: 10.0200.12

7CT040S1 – Graphic/Web Design I (11, 12) 1st Sem. Block Lab Fee 1 credit

Prerequisite: Communications Media Technologies Fundamentals

May be taken as an *Honors Class*

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

Requisites for Honors Classification: The Honors portion of this class requires students to complete

a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must also be enrolled in two other 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**

7CT040S2 – Graphic/Web Design II (11, 12) 2nd Sem. Block 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. 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: 10.0200.35**

INFORMATION TECHNOLOGY PROGRAM

7CT062S1/7CT062S2 – Fundamentals of Info. Tech. for Networking Tech. (9, 10, 11) 1 credit
May be taken as an Honors Class

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

Requisites for Honors Classification: The Honors portion of this class requires students to write a research paper and perform an in-class multi-component presentation and join the Nogales High School 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 Honor’s 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 (10, 11, 12) 1 credit

Prerequisite: Fundamentals of Info. Tech. for Networking Tech.

May be taken as an Honors Class

Network Technologies is a course for students who wish to gain knowledge and understanding of networking concepts, acquire the required skills to prepare for a career in network support or administration. This class covers configuration, management, troubleshooting of common wired and wireless network devices and prepares students for the CompTia Network + certification.

Students are eligible to earn CTE program Industry 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 Honor’s 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 – Fundamentals of Info. Tech. for Computer Maintenance (9, 10, 11)

May be taken as an Honors Class

1 credit

Fundamentals of Info. Tech. for Computer Maintenance is an entry-level computer certification for PC computer service techs. This course is designed to train students to be entry-level PC computer service professionals in installing, maintaining, customizing, hardware, software, and operating personal computers and prepares students for the 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. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honor's 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 (10, 11, 12)

1 credit

Prerequisite: Fundamentals of Info. Tech. for Computer Maintenance

May be taken as an Honors Class

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

Students are eligible to earn CTE program Industry 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**

MEDICAL CAREERS PROGRAM
NURSING SERVICES PROGRAM

This year long course of two credits is offered at Pierson Vocational High School. For program completion student must finish both semesters. This program prepares students for the state licensure of the Care Giver and Licensed Nursing Assistant.

7CT039S1 – Fundamentals of Nursing Services (12) 1st Sem. Block Lab fee 1 credit

Offered at Pierson Vocational High School (SPACE IS LIMITED)

Requirements: Application, picture ID with signature, healthcare provider CPR, negative TB test within the last six months, DPS fingerprint clearance card application.

State board of Nursing requirements: Fingerprint card, proof of health insurance, proof of hepatitis B inoculation and proof of citizenship or legal residency, e.g. U.S. birth certificate, passport, or green card.

Course offers industry-validated skills necessary for initial employment or continued related education and are taught by the AZ State Board of Nursing approved training site program Registered Nurse. This course prepares students to apply academic, employability, technical knowledge and leadership skills (HOSA) related to industry standards and practices of nursing assisting. **CIP code: 51.3900.10**

7CT039S2 – Nursing Services-Advanced Applications (12) 2nd Sem. Block Lab fee 1 credit

Prerequisite: Fundamentals of Nursing Services

This course is a continuation of *Fundamentals of Nursing Services*. The curriculum includes 59 hours of lab skills, 59 lab skills training and 50 hours of clinical training offered on Saturdays or Sundays in a Nursing Home. Twenty-one hours of associated training in the areas of people skills, employment skills, and the handling of medications. This program emphasizes professionalism and quality care in a supportive environment. Students completing this program will have the opportunity to take the Care-Giver Certification and the Arizona examination to become a Licensed Nursing Assistant (LNA) which will be recorded with the State Board of Nursing department. **CIP code: 51.3900.20**

ELECTIVES

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

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

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.

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

ENGLISH
(Required Courses)

Regular Level:

1EN01S1/1EN01S2	English I (9)	1 credit
1EN02S1/1EN02S2	English II (10)	1 credit
1EN03S1/1EN03S2	English III (11)	1 credit
1EN04S1/1EN04S2	English IV (12)	1 credit

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

ELD (English Language Development)

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

1EN21S1/1EN21S2 – ELD 1 English Reading (9 – 12) **1 elective credit**
This is the beginning course of the English Language Development Program. It is based on the standards set by the State of Arizona for English Language Proficiency learning. The emphasis is on the beginning level of English Reading through a systemic language development approach including Phonics and Phonemic Awareness. At the completion of this course, students must be able to read and demonstrate comprehension of simple English passages.

1EN22S1/1EN22S2 – ELD 1 English Grammar (9 - 12) **1 English credit**
This is the first course in the instruction of English Grammar, including Language Usage, Mechanics and Spelling. The formal instruction is based on the Discrete Skills Inventory (DSI) provided by the Department of Education through O.E.L.A.S for English Grammar allows students' development of the essential grammar skills to make language learning comprehensive and continual.

1EN23S1/1EN23S2 – ELD 1 Conversational English and Academic Vocabulary (9 – 12) **1 elective credit**
The emphasis of this class will be on listening and speaking in a conversational manner at a beginning level. Through the addition of content area word study, students will be able to more fully comprehend their mainstream academic classes.

1EN24S1/1EN24S2 – ELD 1 English Writing (9 – 12) **1 elective credit**
This is the beginning course of the English Language Development Program. It is based on the standards set by the State of Arizona for English language Proficiency learning. The emphasis is on a beginning level of English Writing through a systematic language development approach. At the completion of this course, students must be able to write complete sentences and simple paragraphs.

1EN25S1/1EN25S2 – ELD 2 English Reading (9 – 12) **1 elective credit**
This is the intermediate level of the English Language Development program. It is also based on the

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

1EN26S1/1EN26S2 – ELD 2 English Grammar (9 – 12) 1 English credit

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

1EN27S1/1EN27S2 – ELD 2 Academic Oral English and Vocabulary (9 – 12) 1 elective credit

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

1EN28S1/1EN28S2 – ELD 2 English Writing (9 – 12) 1 elective credit

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

1EN29S1/1EN29S2 – ELD 3 Academic English Reading (9 – 12) 1 elective credit

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

1EN210S1/1EN210S2 – ELD 3 Academic English Writing and Grammar (9 – 12) 1 elective credit

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

1EN211S1/1EN211S2 – ELD 3 English Language Arts (Block) (9 – 12)

2 credits: 1 English Credit, 1 elective credit

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

2FA010S1/2FA010S2 - Wind Ensemble (9, 10, 11, 12)**1 credit****Prerequisite: Audition****May be taken as an *Honors Class***

This course provides advanced performance opportunities for students. In addition to daily scheduled class, members will also rehearse selected evenings during second semester. 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. This band will compete at the state level. All members are required to participate in Marching Band. A summer band camp and night rehearsals are required during football season and for marching band performances. Woodwind, brass, drum line and front ensemble musicians are required to be enrolled in either concert, symphonic band or wind ensemble 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. Contracts will be signed for any trip planned for the end of the year and will require students to be enrolled in both semesters of Wind Ensemble.

Requisites for Honors Classification: In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Audition and acceptance into an Honor Band (i.e. U of A, ASU), 3) Audition and acceptance into Regional Band Festival, 4) Audition and acceptance into All-State band festival, 5) Study and take private lessons, 6) Complete a music research project, and 7) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. 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 the continuing education and improvement of music skills, music theory and the responsibilities that are required for being part of a 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. This band will compete at the state level. All members are required to participate in Marching Band. A summer band camp and night rehearsals are required during football season and for marching band performances. Woodwind, brass, drum line and front ensemble musicians are required to be enrolled in either concert band, symphonic band or wind ensemble 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 two of the following choices to earn an honor's credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Audition and acceptance into an Honor Band (i.e. U of A, ASU), 3) Audition and acceptance into Regional Band Festival, 4) Audition and acceptance into All-State band festival, 5) Study and take private lessons, 6) Complete a music research project and 7) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors 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.

2FA08S1/2FA08S2 - Band Management Crew (9, 10, 11, 12) 1 credit

Prerequisite: Approval by Band Director

Students will be considered a full-fledged member of the marching band. They are required to travel, attend summer band camp, each rehearsal and performance of the Pride of Nogales Marching Band. They are responsible for learning the components required for efficient operation of a performing marching band ensemble. This is an intense, physically active class and only approved members will be accepted by the band director. Students must have an approval acceptance from the band director to register for this class.

2FA012S1/2FA012S2 - Jazz Ensemble (9, 10, 11, 12) 1 credit

Prerequisite: Instructor approval

May be taken as an *Honors Class*

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

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

2FA017S1/2FA017S2 – Music Survey and Appreciation (9, 10, 11, 12) 1 credit

This class provides students the opportunity to listen to and develop an understanding of many types of music reflecting a variety of styles and cultures. Students will be exposed to many of the following music: Western Classical, Renaissance, Baroque, Classical, Romantic, Impressionistic, Modern, Pop, Jazz and Rock. Students may also be exposed to the following world music: Classical Indian, African, Chinese, Tibetan, Native American and others. Students will learn to focus attention and thoughts through active listening to a wide variety of transformational music. Class activities will include active listening, discussion, and weekly in-class writing. Quarterly exams will be given to assess student's comprehension.

2FA018S1/2FA018S2 – Music Technology/Recording Arts (9, 10, 11, 12) 1 credit

This class will cover sound reinforcement, stereo recording techniques and multi-track recording techniques. Students will get hands on training using mixing consoles, dynamic and condenser microphones and computer based recording and editing software. Students will learn how to set up sound systems at concerts and assemblies. They will also participate in recording NHS and NUSD musical ensembles. Additionally students will learn about careers in music production, recording, designing, editing and producing CD's for educational purposes. Students will be introduced to internet radio production.

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 advance 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 piano performance. This course includes elements and symbols in Music, developing ability to read songs and scales.

Requisites for Honors Classification: In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honors credit for the following course: 1) Perform at separate musical event outside of required class performances, 2) Study and take private music lessons, 3) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 4) 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 also further their expertise in the knowledge of playing the piano and will focus on advance music 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) Perform at separate musical event outside of required class performances, 2) Study and take private music lessons, 3) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 4) 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.

CHOIR PROGRAM

2FA02S1/2FA02S2 - Concert Choir

1 credit

The concert choir is a music ensemble designed to allow students to develop music skills in a choral (vocal) setting. Students will learn proper vocal technique, as well as receive introduction to music history and music theory. This is a beginning level choir and no prior vocal training or experience is needed to participate.

MATHEMATICS

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

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 student for further study and success in Geometry and Algebra II are emphasized. This class is required by state law and required for university admission.

1MA02S1/1MA02S2 - Geometry (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 8th 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 - 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. 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 situation while differentiating, interpreting, applying, and developing concepts in the context of personal and professional situations.

The Statistics and Discrete Math class fulfills the second semester of the Personal Finance course which fulfills the Arizona state requirements for a fourth math class. Students in the course will solve problems by estimating and computing with one-variable and two-variable data. Students will also learn to compute and explain summary statistics for distributions of data including measures of center and spread, including variance and standard deviation. Students will explain how sampling methods,

bias, and the phrasing of questions asked during data collections impact the conclusions that can be drawn while identifying misleading uses of data and explain why they are misleading. Lastly, students will learn to explain the differences between randomized experiments and observational studies and determine the appropriateness of using each in given situations while determining when arguments based on data mistake correlation for causation.

HONORS

1MA32S1/1MA32S2 - Honors Geometry (10) Prerequisite: Algebra I with a B or better / Algebra II with a C or better (will meet IB requirement) See Honors Program	1 credit
1MA35S1/1MA35S2 - Honors College Algebra/Trigonometry (10, 11, 12) Prerequisite: Algebra II and Geometry with a C or better See Honors Program	1 credit
1MA56S1/1MA56S2 - IB/Math Studies (11, 12) Prerequisite: College Algebra/Trigonometry with a C or better See Honors Program	1 credit
1MA510S1/1MA510S2 - IB Mathematics SL (11, 12) Prerequisite: College Algebra/ Trigonometry with a C or better See Honors Program	1 credit
1MA47S1/1MA47S2 - AP Statistics (11, 12) Prerequisite: Algebra II with a B or better See Honors Program	1 credit
1MA48S1/1MA48S2 - AP Calculus I (11, 12) Prerequisite: College Algebra/Trigonometry with a B or better See Honors Program	1 credit
1MA49S1/1MA49S2 - AP Calculus II (12) Prerequisite: AP Calculus I with a B or better/A score of 4 or 5 on Calc AB Exam See Honors Program	1 credit
2OT3S1/2OT3S2 – Honors MetroMatematicas Basic Lab (9) Prerequisite: Place into Algebra II, or by teacher/counselor recommendation See Honors Program	1 credit
2OT4S1/2OT4S2 – Honors MetroMatematicas Advanced Lab (10) Prerequisite: Honors MetroMatematicas Basic Lab See Honors Program	1 credit

MODERN LANGUAGES

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

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

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

Prerequisite: Exam

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

2ML06S1/2ML06S2 - 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 - 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.

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

FRENCH

2ML01S1/2ML01S2 - French I (9, 10, 11, 12) **1 credit**
May be taken as an *Honors Class*

Upon engaged completion of French I, students can reasonably expect to be able to: 1. SPEAK French well enough to greet and take leave appropriately in formal and informal contexts; ask and answer basic information questions about themselves, their friends and their family; talk in simple ways about themselves, their family, their activities and classes, their possessions, their house and their town, their likes and dislikes. 2. COMPREHEND / INTERPRET spoken French in short interactions (both live and taped) that relate to the themes of personal identity, home and family, jobs, and that represent authentic situations. 3. READ / COMPREHEND / INTERPRET both edited and non-edited material (including short narratives, simple poems, small ads, brochures, surveys, graphs), if highly contextualized. 4. WRITE sentences and paragraphs on familiar topics, take simple messages, and write notes and short letters that relate to personal interests and practical needs; fill out forms.

Requisites for Honors Classification: Students will have an additional Honors Semester Project (HSP). The HSP will be an opportunity for students to have an introduction to Francophone literature and culture, with the objective of preparing them for IB work in which we strive to develop global minds. Freshmen students must also be enrolled in one other honors class. Sophomores, Juniors, and Seniors must be enrolled in two other Honors classes. Students must to maintain a letter grade of “B” or higher to stay in the Optional Honors area of this class.

2ML02S1/2ML02S2 - French II (10, 11, 12) **1 credit**
Prerequisite: French I or Teacher Recommendation

May be taken as an *Honors Class*

Upon engaged completion of French II, students can reasonably expect to be able to: 1. SPEAK French well enough to describe, narrate, and ask and answer questions in present time (and with less accuracy in future and past times) about everyday topics including school, weather, travel, relationships and past experiences, food and lodgings. They should also be able to ask for information with the intent of understanding the answer. 2. COMPREHEND / INTERPRET spoken French in short interactions--both live and taped--that relate to the themes of weather, university studies, travel, interests and hobbies, relationships and past experiences. 3. READ / COMPREHEND / INTERPRET both edited and non-edited material (including testimonials, simple poems, travel brochures, and travel

information, menus, short essays), if highly contextualized. 4. WRITE short texts on familiar topics, take messages, fill out applications, and write letters that relate to personal interests and practical needs.

HONORS

2ML31S1/2ML31S2 - Honors French I (9, 10, 11, 12) **1 credit**
See Honors Program

2ML513S1/2ML513S2 - IB French II (10, 11, 12) **1 credit**
See Honors Program

2ML614S1/2ML614S2 - IB French III (10, 11, 12) **1 credit**
See Honors 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 - 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 - 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.

2PE05S1/2PE05S2 - Sports Injury Management (10, 11, 12) 1 credit

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

2PE06S1/2PE06S2 - Sports Injury Management II (10, 11, 12) 1 credit

Prerequisite: Sports Injury Management I

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

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 requirement.

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 metric measurement system is emphasized in lab work. This course meets university science requirement.

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, inter-relationships of living organisms and their interaction with the world. The core curriculum will be broken down into 6 basic units.

Biology II is an in-depth second year Biology course that explores specific fields of vertebrate and invertebrate zoology, anatomy and physiology, basic microbiology, genetics, biochemistry and environmental sciences. Focus of this course is to introduce students the potential opportunities that exist in the life sciences. Each unit will consist of laboratory exercises and may consist of field work as conducted on a professional level. Students will be required to perform experiments and write formal lab reports throughout the course. This course meets university science requirement.

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 requirement.

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.**

See Honors Program

1SC37S1/1SC37S2 - IB Chemistry I (11, 12)**1 credit****Prerequisite: Algebra I and Physical Science with a B or better**

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
See Honors Program

1SC34S1/1SC34S2 - Honors Biology I (10) **1 credit**
Prerequisite: Algebra I and Physical Science with a B or better
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
See Honors Program

SOCIAL STUDIES

1SS01S1/1SS01S2 - World History/World Geography (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) 1st 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) 2nd Semester **½credit**
This class is required for graduation. Students will learn about Federal, State and Local Government.

HONORS

1SS31S1/1SS31S2 - Honors World History/Geography (10) **1 credit**
Not offered Independent Study
See Honors Program

1SS44S1/1SS44S2 - AP American History (10, 11, 12) **1 credit**
Not offered Independent Study
See Honors Program

1SS55S1/1SS55S2 - IB History of Americas (11) **1 credit**
Not offered Independent Study/Not offered in Summer School
See Honors Program

1SS53S1/1SS53S2 - IB 20th Century History (12) Not offered Independent Study/Not offered in Summer School See Honors Program	1 credit
1SS37S1/1SS37S2 - Honors Economics (11, 12) 1st Semester Not offered Independent Study See Honors Program	½ credit
1SS46S1/1SS46S2 - AP U.S. /AZ Government (11, 12) 2nd Semester Not offered Independent Study See Honors Program	½ credit
1SS58S1/1SS58S2 - IB Theory of Knowledge (11, 12) Prerequisite: IB Diploma Candidate or any interested students Not offered Independent Study/Not offered in Summer School See Honors Program	1 credit

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.

3AD10S1/3AD10S2 - Life Skills (9, 10, 11, 12) Prerequisite: Sp. Ed Placement 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.	1 credit
3AD11S1/3AD11S2 - Study Skills I (9) Prerequisite: Sp. Ed Placement 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.	1 credit
3AD12S1/3AD12S2 - Study Skills II (10) 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.	1 credit

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 the exit high school and enter post-secondary education and the workforce.

3AD11S1/3AD11S2 - TSW Transition Lab (10, 11, 12) 1 credit

Prerequisite: Sp. Ed Placement

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

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 texts 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 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 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 prepared 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 and adhering to their goals outlined in their Individualized Education Program.

3MA14S1/3MA14S2 - Math Lab IV: Personal Finance

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 will understand the knowledge and skills necessary for success in their post-school lives. The Standards should be read as allowing for the widest possible range of students to participate fully from the outset, along with appropriate accommodations to ensure maximum participation of students with special education needs. Students will be studying Math skills needed to be successful in their everyday life. Students will be using The Laurus Program 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. Student must attend NHS during 7th and 8th semesters to qualify for the Honors Diploma.

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

ADVANCED PLACEMENT

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

high school teachers who follow course guidelines developed and published by the College Board. All AP courses are weighted for GPA.

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

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

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

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

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

INTERNATIONAL BACCALAUREATE PROGRAM

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

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

Taking IB examinations may result in:

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

General Overview

The International Baccalaureate (IB) Program is a comprehensive and rigorous two-year curriculum, leading to examinations for students aged sixteen to nineteen. Based on the pattern of no single country, it is a deliberate compromise between the specialization required in some national systems and the breadth preferred in others. The general objectives of the IB are to provide students with a balanced education, to facilitate geographic and cultural mobility, and to promote international understanding through shared academic experience. In the forty years since its founding, the IB

Diploma has become a symbol of academic integrity and intellectual promise. The student who satisfies its demands demonstrates a strong commitment to learning, both in terms of the mastery of the subject content and in the development of the skills and discipline necessary for success in a competitive world. Colleges and universities are well served by encouraging the enrollment of these able young scholars.

Unique Characteristics

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

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

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

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

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

The Curriculum

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

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

and the breadth found in others.

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

IB Mission Statement

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

INTERNATIONAL BACCALAUREATE CURRICULUM AT NHS

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

Group 1

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

Group 2

LANGUAGE B
Spanish
French

Group 3

INDIVIDUALS AND SOCIETY
History of the Americas and
IB 20th Century History
IB Business & Management

OTHER REQUIREMENTS

Extended Essay
Theory of Knowledge
Creativity, Action, Service

Group 4

EXPERIMENTAL SCIENCE
Biology
Chemistry SL

Group 5

MATHEMATICS
Math Studies
Math SL

Group 6

ELECTIVE SUBJECT
Art/Design
Additional course 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 20th 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 at Nogales High School

HONORS

Air Force Jr. ROTC

English I, II, III, IV

French I, II

Biology

Geometry

MetroMatematicas Basic Lab

MetroMatematicas Advanced Lab

College Algebra/ Trigonometry

World History/Geography

Economics

Concert Band

Jazz Ensemble

Mariachi I, II, III

Piano I, II

Symphonic Band

Wind Ensemble

Theatre Arts

WarCry

CTE Courses:

Intro to Business Management & Admin Services

Basic Business Man. & Admin Services

Fundamentals of Design & Merchandising

Fashion Design & Merchandising Applications

Fundamentals of Info. Tech. for Comp. Maintenance

Computer Maintenance

Fundamentals of Culinary Arts

Culinary Arts Applications

Construction Tech. Core Curriculum

Cabinetmaking

Transportation Tech. Core Curriculum

Automotive Technology I, II

Fundamentals of Info. Tech. for Network Tech.

Network Technologies

Communications Media Tech. Fundamentals

Graphic/Web Design I, II

Fundamentals of Early Childhood Education

Early Childhood Education Applications

ADVANCED PLACEMENT (AP)

American History

Art

Calculus I, II

English III, IV

French III

Physics

Spanish Literature

Statistics

US/ AZ Government

INTERNATIONAL BACCALAUREATE (IB)

Art

Biology II

Chemistry I, II

English III, IV

French II, III

Math Studies

Mathematics SL

IB 20th Century History

History of the Americas

Advanced Business Management

Spanish A I, II

Spanish B I, II

Theory of Knowledge

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- Español IC or IIC for non-native speakers. Español Nivel I or Nivel II for native speakers; French I
Nivel III if recommended by teacher.

*Physical Education

*Recommendation to take during summer school

Sophomore Year:

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

Junior Year:

English: IB English III
Mathematics: Honors College Algebra/Trigonometry; IB Math Studies
Science: IB 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
French -IB French II
TOK Theory of Knowledge (second semester)
*US Government: Recommended to take by correspondence or in summer school

Senior Year:

English: IB English IV
Mathematics: IB/Math Studies; AP Calculus I; AP Statistics
Science: IB Chem II and/or IB Business
History: IB 20th Century History**
Modern Language: IB Spanish A year II for native speakers; IB Spanish B year II for non-native speakers or IB French III
TOK: Theory of Knowledge (First semester)

*US Government: Recommended to take by correspondence

IB History of the Americas and IB 20th 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

CAREER AND TECHNICAL EDUCATION HONORS COURSES

AFJROTC PROGRAM

2AF31S1/2AF31S2 - AFJROTC Honors A Journey into Aviation History (9,10,11,12) 1 credit

AFJROTC 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 a detailed research on aviation projects, become subject matter experts on the advancement of airpower and the roll 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

7CT047S1/7CT047S2 – Introduction to Business Management & Admin Services Honors (9, 10, 11, 12) 1 credit

Freshmen students must also be enrolled in one other core honors class and join Future Business Leaders of America (FBLA). Sophomores, Juniors, and Seniors 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: 52.0200.10**

7CT049S1/7CT049S2 – Basic Business Management & Administrative Services Honors (10, 11, 12) 1 credit

Prerequisite: Intro to Business Management & Administrative Services Honors

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 – Advanced Business Management & Admin Services IB (11, 12) 1 credit

Prerequisite: Introduction to Business Management & Admin Services Honors with a B or better, and FBLA member. Preferred if Basic Business Management & Administrative Services 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

7CT056S1 – Fundamentals of Early Childhood Education Honors (11, 12) **1 credit**
1st Sem. Block

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**

7CT056S2 – Early Childhood Education Applications (11, 12) 2nd Sem. Block **1 credit**
Prerequisite: Fundamentals of Early Childhood Education 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**

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

The honors portion of this class requires students to write a research paper and perform an in-class presentation on their paper during fourth quarter. This presentation can be visual or a cooking demonstration for the class. 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 Applications Honors (11, 12) Block **2 credits**
Prerequisite: Fundamentals of Culinary Arts Honors

The honors portion of this class requires students to write a research paper and perform an in-class presentation on their paper during fourth quarter. This presentation can be visual or a cooking demonstration for the class. 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**

Fashion Design and Merchandising Program

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

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 Applications Honors **1 credit**
(11, 12)

Prerequisite: Fundamentals of Design and Merchandising 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 – Construction Technologies Core Curriculum Honors (9, 10, 11, 12)

1 credit

The Honors portion of this class requires student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on an approved topic. 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. 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, and continue to benefit from, the Optional Honors area of this class. **CIP code: 46.0400.13**

7CT044S1/7CT044S2 - Cabinetmaking Honors (11, 12)

1 credit

Prerequisite: Construction Technologies Core Curriculum Honors

The Honors portion of this class requires student candidate to produce and deliver to the class a 5 – 10 minute multi-media, multi-component presentation on an approved topic. 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. 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, and continue to benefit from, the Optional Honors area of this class. **CIP code: 46.0400.40**

TRANSPORTATION TECHNOLOGIES PROGRAM

7CT034S1/7CT034S2 – Transportation Technologies Core Curriculum 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 I Honors (11, 12) 1st Sem. Block

1 credit

Prerequisite: Transportation Technologies Core Curriculum 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 II Honors (11, 12) 2nd Sem. Block

1 credit

May be taken as an Honors Class

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

7CT038S1/7CT038S2 – Communication Media Technology Fundamentals Honors (10, 11) 1 credit

The Honors portion of this class requires students to complete a research paper each semester. Students who want the Honors option will also have to demonstrate leadership skills in the classroom, assisting classmates and completing additional responsibilities as designated by the teacher. Students must be enrolled in two other 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**

7CT040S1 – Graphic/Web Design I Honors (11, 12) 1st Sem. Block 1 credit
Prerequisite: Communications Media Technologies Fundamentals Honors

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**

7CT040S2 – Graphic/Web Design II Honors (11, 12) 2nd Sem. Block 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: 10.0200.35**

INFORMATION TECHNOLOGY PROGRAM

7CT062S1/7CT062S2 – Fundamentals of Info. Tech. for Networking Technology Honors (9, 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. Freshmen students must 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: 15.1200.12**

7CT037S1/7CT037S2 – Network Technologies Honors (10, 11, 12) 1 credit
Prerequisite: Fundamentals of Info. Tech. for Networking Technology 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. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honor’s 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 – Fundamentals of Info. Tech. for Computer Maintenance (9, 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. Freshmen students must also be enrolled in one other core honors class. Sophomores, Juniors, and Seniors must be enrolled in two other core Honor's 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 Honors (10, 11, 12)

1 credit

Prerequisite: Fundamentals of Info. Tech. for Computer Maintenance 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. Freshmen students must 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: 15.1200.20**

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 I or 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 a 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 60 hours of studio work and 90 hours of independent investigation. A workbook/sketchbook 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.

MUSIC

2FA39S1/2FA39S2 - Honors Concert Band (9, 10, 11, 12) Lab Fee 1 credit

Prerequisite: 1 Year of middle school band or director’s approval

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

2FA310S1/2FA310S2 - Honors Wind Ensemble (9, 10, 11, 12) 1 credit

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

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

In addition to the requirements of the regular course description, students must complete two of the following choices to earn an honor’s credit for this course: 1) Perform at a separate musical event outside of required class performances in the musical style of the class genre, 2) Perform a solo at the solo/ensemble contest, 3) Audition and acceptance into an Honor Band (UofA, ASU, etc.), 4) Audition and acceptance into Regional Band Festival, 5) Audition and acceptance into All-State Band Festival, 6) Study and take private lessons, 7) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 8) Present a performance piece to be performed in front of peers, a solo or ensemble is acceptable. 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 (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) Perform at separate musical event outside of required class performances, 2) Perform a solo at the solo/ensemble contest, 3) Study and take private music lessons, 4) Complete a music research project about a musical artist or composer, please see instructor for detailed requirements of project, and 5) Present a performance piece to be performed in front of peers. Students must be enrolled in two other core honors classes and must 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 course work while still providing a high school support setting. It is beyond the Arizona standards for math. Some topics include the study of numbers, of Algebra, sets logic plus Trigonometry, Statistics, Probability and Functions. (First year for IB Diploma)

1MA56S1/1MA56S2 - IB Math Studies (11, 12) 1 credit

Prerequisite: College Algebra/Trigonometry with a C or better

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

1MA510S1/1MA510S2 - IB Mathematics SL (11, 12) 1 credit

Prerequisite: College Algebra/Trigonometry with a C or better

This course serves to accommodate the range of needs, interests and abilities of students, and to fulfill the requirements of various university and career aspirations. The aims of these courses are to enable students to develop mathematical knowledge, concepts and principles; develop logical, critical and creative thinking; employ and refine their powers of abstraction and generalization. Students are also encouraged to appreciate the international dimensions of mathematics and the multiplicity of its cultural and historical perspectives.

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 or Teacher Recommendation

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

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

***The IB Spanish B courses are designed for Non-native Spanish speakers 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. Student must take at least one year of Spanish at NHS, based on placement test. If student is a non-native Spanish speaker, IC & IIC are recommended. If a student is a native speaker and either places into Español Nivel III or has taken Nivel III at NHS, student is not eligible to take this course and can take IB Spanish A.

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

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.

2ML31S1/2ML31S2 - Honors French I (9, 10, 11)

1 credit

In addition to the French I course description - Students will have an additional Honors Semester Project (HSP). The HSP will be an opportunity for students to have an introduction to Francophone literature and culture, with the objective of preparing them for IB work in which we strive to develop global minds. Freshmen students must also be enrolled in one other honors class. Sophomores, Juniors, and Seniors must be enrolled in two other Honors classes. Students must to maintain a letter grade of "B" or higher to stay in the Optional Honors area of this class.

2ML513S1/2ML513S2 - IB French II (10, 11, 12)

1 credit

Prerequisite: French I or Teacher Recommendation

In addition to the French II course description - Students will be able to: 1. Start RECOGNIZING basic similarities and differences among Francophone cultures represented in the course, as well as fundamental similarities and differences between these Francophone cultures and their own, and show an emerging awareness of the pitfalls of stereotyping and of the complexities of cultural issues. 2. Start BRANCHING OUT by seeking to use French beyond the walls of their classroom through reading fiction and non-fiction, watching movies or TV5, listening to radio online or music, exchanging email messages with a key pal, etc. IB students must be enrolled in at least two other honor/IB classes, and

are required to maintain a letter grade of “B” or higher to continue in the IB program. The IB students will start preparing for the French IB exam.

2ML614S1/2ML614S2 - IB/AP French III (11, 12)

1 credit

Prerequisite: French II or IB French II or Teacher Recommendation

Upon engaged completion of French IB III, students can reasonably expect to be able to: 1. SPEAK French well enough to describe, narrate, debate, and ask and answer questions in present time, past and future times--about everyday topics, current events and issues. They should also be able to formulate arguments, express and support their opinion and judgments, make suggestions and requests; by using the conditional and the subjunctive moods. 2. COMPREHEND / INTERPRET spoken French in normal interactions--both live and taped--that relate to diverse topics, different points of view and different settings and registers (including slang and idiomatic expressions). 3. READ / COMPREHEND / INTERPRET both edited and non-edited material (including testimonials, simple poems, travel brochures, and travel information, menus, short essays), and be able to infer and breach comprehension gaps even if not highly contextualized.

4. WRITE reflective journals, research papers, and dialectic essays on topics about Francophone culture and literature studies in class. 5. RECOGNIZE basic similarities and differences among Francophone cultures represented in the course, as well as fundamental similarities and differences between these Francophone cultures and their own, and show an emerging awareness of the pitfalls of stereotyping and of the complexities of cultural issues. 6. BRANCH OUT by seeking to use French beyond the walls of their classroom through reading fiction and non-fiction, watching movies or TV5, listening to radio online or music, exchanging email messages with a key pal, etc.

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.

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

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

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

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 Teacher recommendation

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

SOCIAL STUDIES

1SS31S1/1SS31S2 - Honors World History/Geography (10) 1 credit

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

1SS44S1/1SS44S2 - AP American History (11, 12) 1 credit

Pre-requisite: Honors World History/Geography with a B or better or recommendation.

If course taken during the summer, both sessions must be completed. No 2nd 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

Pre-requisite: Honors World History/Geography with a B or better or recommendation.

Meets US/AZ History requirement upon completion of IB 20th 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 20th Century History (12) 1 credit

Pre-requisite: 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 20th Century. The course is modeled after college history courses and is a primarily discussion based curriculum. Students will also learn from active research and analysis of both primary and secondary sources.

1SS37S1/1SS37S2 - Honors Economics (11, 12) 1st Semester 1 credit

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

(See AP U.S. /AZ Government)

Honors Economics is taught as a college level political science course. Arizona standards of Reading, Writing, and Speaking are emphasized at the level needed for success in college. This course will have students learn the basic foundations of economics including Microeconomics, Macroeconomics, and Personal Finance.

1SS46S1/1SS46S2 - AP U.S. /AZ Government (11, 12) 2nd Semester 1 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 War Cry (9, 10, 11, 12) 1 credit

Prerequisite: Writing sample submitted to instructor. Student must earn a proficient score.

War Cry Editors are eligible for honors classification. Editors are expected to adopt a leadership role on the staff and put in time outside of class working on the paper. Students must be enrolled in two other 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 – MetroMatematicas 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 21st 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 – MetroMatematicas Honors Advanced Lab (10)**1 credit****Prerequisite: MetroMatematicas 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.