

Flowing Wells High School Course Catalog 2019-2020

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2019-2020 Course Offerings-*CORE CLASSES*

9-	10-	11-	12
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ENGLISH

Eng. I Eng. I - Honors	Eng. II Eng. II Honors	Eng.III – Am. Lit Eng.III - Sci Fi Eng.III– AP Lang. and Comp.	Eng. IV World Literature Eng. IV Dark Romantic Lit. Eng IV AP Li.t and Comp.
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MATH

Algebra I Geometry Geometry Honors	Geometry Geometry Honors Algebra II Algebra II Honors	Algebra II Algebra II Intermediate Algebra II Honors Pre-Calculus 1-2 Calculus A/B AP Computer Science AP Statistics AP	Finance Math College Algebra Pre-Calculus 1-2 Calculus A/B AP Computer Science AP Statistics AP Quantitative Reasoning
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SCIENCE

Intro Physics 1-2 Intro Physics 1-1 Honors	Chemistry/EarthSci Chemistry/EarthSci Honors	Biology 1-2 Biology 1-2 Honors Anatomy & Physiology 1-2 Biotechnology 1-2 Biology AP Chemistry AP	Chemistry AP Biology AP Environmental Science AP Biotechnology-Advanced 3-4 Physics *Any science not previously taken
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SOCIAL STUDIES

World History World History Honors	US History US History AP Economics* Economics AP	US Government US Government AP Economics* Economics AP
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*one semester course

MODERN LANGUAGE

French 1-2 Spanish 1-2 Spanish 3-4	French 3-4 Spanish 3-4 Spanish 5-6	French 5-6 Spanish 5-6 Spanish AP*	Spanish AP*
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***Earning a 3, 4, or 5 on the Spanish AP exam may qualify the student for a Biliteracy Seal on his/her diploma.**

2019-2020 Course Offerings-ELECTIVES

CAREER & TECHNICAL EDUCATION

Agriculture 1-2 Intro Agriculture Intermediate 3-4 Agriscience I 5-6 Agriscience II 7-8 Ag. FFA Leadership Dev. Agriculture Engineering-new	Teachers of Tomorrow 1-2 Teachers of Tomorrow 3-4 Teachers of Tomorrow 5-6 Teachers of Tomorrow 7-8	Fashion Design 1-2 Fashion Design 3-4 Fashion Design 5-6 Fashion Design 7-8	Culinary Arts 1-2 Culinary Arts 3-4 Culinary Arts 5-6
Film Making – Intro Film Making – Advanced	Photography – Intro Photography – Intermediate Photography--Advanced	Indus. Tech Auto Automotive 1-2 Auto Block	Sports Medicine Tech Sports Medicine 1-2
Engineering I Engineering II	Graphic Design – Intro* Graphic Design – Intermediate* Graphic Design – Advanced* *Students must be in 10 th or higher to enroll in Graphic Design courses.		
Theater Tech – Intro Theater Tech – Advanced			

FINE ARTS

Band - Concert Band - Pomline Band - Wind Ensemble Band - Jazz Ensemble Piano – Beginning Guitar – Beginning Orchestra String Orchestra Chamber	Art – Intro Art – Advanced Choir – Caballero Chorus Choir – Concert Choir Choir – Bella Voce Choir - Choralaires	Film History Dance – Beginning Dance - Intermediate Dance – Partner Dance Dance – Advanced Dance – Momentum Dance - Pulse	Theater 1-2 Theater 3-4 Theater 5-6
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OTHER ELECTIVES

Ultimate P.E. Walking 101 Basketball/Volleyball Weight Training Sports Conditioning 1-2 Sports Conditioning 3-4 Health* - Fitness, Wellness & Applied Health*	JROTC 1-2 LD JROTC 3-4 LD JROTC 5-6 PE JROTC 7-8 PE JROTC Adv. Train. (zero hour) History-Euro AP	Psychology* Yearbook Student Government Cadet Teaching Work Experience Internship Student Aide
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*one semester courses

CENTRAL JTED PROGRAMS

Graphic Design-Intro Graphic Design – Intermediate or Advanced 3D Animation & Game Design Law, Public Safety Fundamentals Medical Records Technology Aviation Technology Electrical Tech. Licensed Nursing Assistant	Healthcare Fundamentals Nursing Services Certified Nursing Assist. Medical Assistant Veterinary Science Heavy Equipment Operations Early Childhood Educations Emergency Medical Technician	Cosmetology Fundamentals Advanced Cosmetology Physical Therapy Tech. Certified Caregiver Fire Science Construction Trades Information Technology Precision Manufacturing
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CENTRAL JTED PROGRAMS ARE ONLY OPEN TO STUDENTS IN GRADES **10-12**. May qualify for dual enrollment.

2019-2020 Course Offerings-ADDITIONAL

SPECIAL EDUCATION

*Algebra I A, B	*English I A, B	*SEAS Skills	*ILS Reading
*Geometry A, B	*English II A, B	*SEAS English	*ILS Writing
*Algebra II A, B	*English III A, B	*SEAS Math	*ILS Social Studies
*Finance Math	*English IV	*SEAS Science	*ILS Social Skills
*Transition Support		*SEAS Social Studies	*ILS Work Skills
			*ILS Math
			*Transition Skills

ZERO HOUR & 7th HOUR COURSES

ZERO HOUR

*Enrollment preference will be given to students with strong attendance.

US Government
AP Literature and Comp
JROTC Adventure Training (Raiders)

7th HOUR

~ Credit Recovery Math
~ Credit Recovery English
~ Credit Recovery Social Studies
~Credit Recovery Science
~Credit Recovery Spanish

~There is a fee associated with credit recovery courses. Please contact the bookstore at 696-8026.

GENERAL INFORMATION

Course selections

Students choose courses they desire after reading the course descriptions. Before choosing a course, please check the following restrictions:

- A. Some classes have **prerequisites**. A student will not be allowed to enroll in a course unless he/she has taken and passed the pre-requisite course or courses and earned the grades required.
- B. Some classes have **grade-level** restrictions. A student should check to see if he/she is eligible to take the course.
- C. A one semester course is worth **.5 credit**. A full year course is worth **1 credit**. Once enrolled in a course, students are expected to complete the course.
- D. Courses which meet 4 year college entrance requirements are designed as **college preparatory**.

Flowing Wells High School is a self-select school, meaning that all Honors and Advanced Placement Courses are available for students who want to experience a higher-level thinking curriculum.

Academic Program

Flowing Wells High School provides comprehensive educational and extracurricular programs that will prepare students for their post-secondary goals. It is the intent of the FWHS program to fully involve students for four years. It is important that students plan their four-year curriculum in order to take advantage of the scope and depth of the course offerings. College entrance requirements, job skill development, and special interests can be included within the framework in the elective areas.

Four Year Plans

Students will work with their counselors and the career center counselor to develop an Education Career and Action Plan (ECAP). Please carefully review the plan for your graduating class. A total of 22 credits are needed for the Blue diploma and 23 credits for the Gold diploma. (See page 15 for specific criteria.)

Admission Testing

ACT and SAT are tests used by colleges and universities to aid in making admission decisions. Colleges consider more than test scores, grade averages and class rank; quality of the four-year transcript, involvement in community and school, leadership activities, and recommendations are also considered.

Colleges accept the highest set of scores from an applicant, so early testing is recommended as it allows time for retesting. Many colleges publish the score ranges of admitted students and will admit new students whose scores fall below those ranges only if there are other compelling reasons to warrant admission. **ACT/SAT tests should be taken in the spring of junior year to meet admissions and financial aid deadlines. All juniors will take the ACT test in the spring.**

Arizona's Required Assessment Program

All juniors will be required to take the ACT test in the spring as part of the school's assessment program. Additionally, students must pass the Arizona Civics exam as well as be CPR trained in order to earn a diploma.

Arizona public university basic entrance requirements

Students who are planning to attend an Arizona public university can consult with the counseling staff concerning entrance placement exams. The college preparatory requirements for Arizona universities include the following mandatory courses and credits for high school graduates:

- 4 credits college preparatory English
- 4 credits Mathematics (Algebra I, Geometry, Algebra II, and advanced math for which Algebra II is a prerequisite)
- 3 credits Lab Science
- 2 credits Social Studies
- 2 credits of the same Foreign Language
- 1 credit Fine Arts or CTE

Please check with your university of choice for updated information. Students applying to in-state schools are strongly encouraged to apply by October 1st of their senior year.

Out-of-state and private college/university admissions

Out-of-state and private colleges/universities differ considerably in depth and breadth of requirements. Interested students should consult the specific college website for more information about application deadlines and admissions requirements because some colleges may require SAT subject tests in addition to the ACT or SAT. Many colleges have firm deadlines. The student should check with the college.

GPA/weighted grades

A student's cumulative weighted grade point average (GPA) will be used to determine his/her class ranking. In determining the grade point average the following scale will be used: A = 4, B = 3, C = 2, D = 1 and F = 0. Flowing Wells High School recognizes that some courses are designed to be more challenging. As a result, some courses may receive weighted grades. The weighted grade scale is: A = 4.5, B = 3.5, C = 2.5, D = 1.5 and F = 0. Courses that are weighted are Advanced Placement (AP), Honors classes, Advanced Biotechnology.

Middle School/Junior High Grades

Some students take high school credit courses while enrolled in Flowing Wells Junior High School. Flowing Wells School District recognizes this effort and applies the following rules for the students' high school transcript and GPA:

- The final grade the student earns at the end of each semester will be recorded on the student's high school transcript. This grade does average into the high school GPA.
- Junior high school grades that qualify for high school credit will average into the high school GPA.
- Students coming from middle/junior high schools other than in Flowing Wells may earn high school credit by exam. Please see the section about the challenge exam for details.

Advanced Placement (AP) Courses

Advanced Placement courses follow a nationally recognized curriculum. This curriculum is designed to be college level. In May, a comprehensive test is offered in each subject where students may earn college credit. Each AP course has a fee associated to help offset the cost of the exam. College credit is determined by each college or university and varies in the type and amount of credit.

Students should contact the colleges and universities of their choice for information as to whether credit is given and if so, on the amount of credit available. *Some recent research indicates that students with high PSAT, ACT and SAT scores will do well on the Advanced Placement exams.* The research indicates that these higher scores are better predictors of AP exam success than a student's GPA.

Information about AP can also be found at: <http://apcentral.collegeboard.com/> (the official AP website)

If you have any other questions, please see your teacher, an AP/Honors teacher, your counselor, or an administrator.

Honors courses

Honors classes have the curricular design to meet required Arizona State Standards, as well as proficiency standards. Teachers will offer opportunities for students to think at a higher level. Honors classes will move at a faster pace and have a stronger workload than regular courses.

Arizona Academic Scholar

Requirements:

An initiative of the Arizona Business and Education Coalition (ABEC), Arizona Academic Scholars is a state-wide program designed to recognize students who complete a strong course of study. Students who successfully complete the Arizona Academic Scholars program will receive a medallion and will be acknowledged at commencement ceremonies.

- English = 4 credits
- Math = 4 credits (Algebra I, Geometry, Algebra II, and college algebra or higher)
- Science = 3 credits of lab science
- Social Studies = 3.5 credits (world history, US history, US government, and economics)
- Foreign Language = 2 credits of same language
- Fine Arts or CTE = 1 credit of either
- A student must earn a C or better in core courses AND meet all other district graduation requirements.

Pima Community College classes

Students may take classes at Pima Community College for dual credit. Dual credit is receiving credit at PCC and FWHS. Students should consult with their counselor before choosing a class at PCC that will complete a required class for high school graduation. If this process is not followed, dual credit may not be awarded. Seniors who enroll in a PCC class during the semester they plan to graduate and who need this class to complete FWHS graduation requirements, **MUST** complete an **Early Grade Report Form**

available in the FWHS Counseling Department and all classes taken at PCC for dual credit will be included in calculating the student's high school GPA.

Summer School

Several area districts offer classes during the summer. These classes may be taken to make up a failed class or to get a graduation requirement completed in order to make room for an elective. The FWHS counselor should be consulted prior to summer school enrollment in order to ensure that the correct classes are chosen. The Flowing Wells High School Summer School Schedule of Classes is typically available in April. If classes are taken out of district, it is the student's responsibility to get an official transcript sent to the FWHS Registrar as soon as course work is completed. Credit for online courses will be awarded with a satisfactory score on the associated challenge test. (See challenge tests for more information.)

Schedule Information

At FWHS, freshmen, sophomores, and juniors must be enrolled in six classes. Seniors must be enrolled in a minimum of five classes. Senior-plus status is earned by having successfully completed 18 or more credits by the start of fall semester of senior year or 21 credits by the beginning of spring semester.

Dropping a class

Students may not drop a class after the first ten days of the semester. After that, students requesting to drop a class must schedule a meeting with an administrator, parents, the teacher, and a counselor.

Student aide positions

Students may only earn 1.0 credit as a student aide. Students may also earn 1.0 credit as a cadet teacher. Students wishing to become aides must have junior standing with a cumulative GPA of 3.0 or greater or senior standing with a cumulative GPA of 2.8 or greater.

Schedule changes

Once a schedule is made, it will not be changed without administrative approval. The FWHS administration reserves the right to change student schedules without parent permission in order to better balance class size, create a safer environment, or for any other reason to improve the education of the student and the educational climate of the school.

FWHS **does not** make schedule changes for the following reasons:

- The student would prefer a different teacher.
- The student would prefer a class with a friend.
- The student would prefer classes in a different order.

FWHS **does** make changes for the following reasons:

- The student has already received credit for the same course.
- The student has completed a correspondence course or summer school course.
- The student has failed a class required for graduation.
- The student did not complete the appropriate prerequisite class.

Pre-registration

During pre-registration, typically held early in the spring, students have considerable choices in selecting their courses for the following year. Parents and students need to understand that there are some limitations:

- Some classes may not be offered as a result of low enrollment.
- Some classes may be cancelled due to program needs.
- Class schedules are typically determined by seniority of grade—senior schedules are determined first, then juniors, then sophomores, and finally freshmen. As a result, some freshmen may not receive their requested electives. Alternate electives will be used in the order listed by the student on the pre-registration sheet or by availability.
- Some classes offer limited enrollment because of the facility (for example, use of the weight room, computer room, or culinary arts kitchen).
- When students do not receive their requested course(s), their alternate choice(s) will be used as a guide, but in some cases courses may be determined by availability.
- Students are expected to remain enrolled in their chosen courses. All courses, except those specifically noted, are year-long commitments.

Summer registration

After student schedules are posted in May, there are increasing limitations for schedule changes primarily because most classes will be full. Students will not be added to classes that are at capacity. **Your pre-registration schedule may be deleted if you fail to complete online registration, which opens in July.**

Registration

In late July and early August, the focus of the Counseling Office is to assist students new to FWHS. Students new to FWHS will be added to required classes, but elective classes will be limited. Times for returning students to request changes to their schedules will be limited, and students will need to complete a schedule change request to determine availability of classes. Returning students should contact the office or counseling as soon as a schedule conflict is detected. **Please do not wait until August.**

FWHS problem solving process

It is expected that students and parents will work with the teachers and counselors when encountering difficulties. It is a rare occasion when a schedule change is completed after the first five days and is only done when it is determined that:

- The student is making a sincere effort to do the work in the class and is attending the class regularly.
- The student is regularly making contact with the teacher in the classroom and attending tutoring in order to ask for assistance.
- The student and parents have worked with the teacher to understand the scope and nature of the problems causing difficulties.
- The student and parents have consulted with the counselor, so that the counselor can offer general support and can talk to the teacher with the student.

If it is agreed that there has been consistent effort by and communication between the student, parents, teacher, and counselor, then it may be necessary for the administration to approve a schedule change. This will be done through a meeting set up by the counselor that includes an administrator, the teacher, the counselor, the student and parent.

Outside credit

Students who are enrolled in non-FWHS classes must obtain permission prior to enrolling for courses that will be used towards graduation requirements. Transcripts must be received by the FWHS Registrar by April 1st of senior year. Students should first contact an FWHS counselor. The student may not be allowed to participate in commencement if these steps are not followed.

Reasons for taking coursework outside of FWHS include:

- FWHS does not offer the course.
- The student's schedule contains a conflict.
- The course will further develop the student's career or college opportunities.
- The student needs or wants to take more than six courses.

Students may only earn 2 outside credits (4 semester classes) that will count toward graduation.

Correspondence classes

Correspondence classes are offered by several institutions in both required and elective areas. Students may enroll to enrich their curriculum by taking classes not offered at FWHS, to work towards completion of an approved early graduation plan, or to make up for failed classes.

Students need to meet with counselors for information on approved correspondence programs and registration procedures. Students must get approval before enrolling in a class that will be used for graduation credit. Students must complete a Correspondence Class Policy form with their counselor before registering for a correspondence course. Seniors taking correspondence classes needed for graduation must complete the course by December 1st and April 1st of their senior year. Students may not participate in commencement ceremonies with their class if a final transcript is not received by the deadline. Certain courses will require a challenge exam to earn credit on the high school transcript.

Challenge exam policy

When students take courses via distance learning, including those conducted on-line, and when the course is also offered at FWHS, students must earn a grade of 70% or higher on an examination in the core subject administered by the District at a time and place of the District's choosing. A fee of \$35 will be charged for the examination. If the student passes the challenge exam, the grade earned via distance learning will be posted to the transcript. New students must take challenge exams within 10 days of registering.

Current students may elect to take a challenge test for courses offered at FWHS. A score of 80% or better will result in a "P" (Pass) on the transcript. If interested, students should discuss options with a counselor prior to taking the exam.

Replacement Grades

Students may retake any class once for self-improvement. If the student's second (retake) grade is higher than the first (original) grade, the higher grade will be recorded on the student's transcript, followed by an "R" designating that the grade is a "replacement" grade. The replacement grade will be averaged into the student's grade point average (GPA) and the original grade will be deleted from the student's transcript and will not be averaged into the student's GPA.

For example:

<u>School year</u>	<u>Class</u>	<u>Grade</u>
2016 17	Algebra I A	C (original grade)
2017-18	Algebra I A	A-R (replacement grade)

Biliteracy Seal

Students who score a 3, 4, or 5 on the Spanish AP exam may qualify for a Biliteracy Seal on his/her diploma. Juniors in Spanish AP may apply for the seal at the beginning of their senior year. Seniors in Spanish AP may apply to have the Biliteracy Seal added to the diploma once scores arrive in the summer after graduation.

NCAA eligibility requirements

A student athlete who hopes to participate in an intercollegiate sports program at a Division I or II school must graduate from high school and meet specific eligibility standards. Those standards are as follow:

- Achieve a minimum score on the ACT or SAT that corresponds with the core GPA on the qualifier index scale (**Division I Schools**);
- Achieve an ACT sum score of 68 or an SAT combined score of 820 (**Division II Schools**);
- Successfully complete a core curriculum of at least 13 academic courses with a core cumulative GPA of at least 2.0 (**Division I and II Schools**);
- Core curriculum includes the following:
- Be registered with and approved by the NCAA Clearing House whose website is ncaaclearinghouse.com (**Division I and II School**).

Division I Requirements	Division II Requirements
Four (4) years of English	Three (3) years of English
Three (3) years of Math	Two (2) years of Math
Two (2) years of Science, one of which must be a lab course	Two (2) years of Science, one of which must be a lab course
One (1) additional year of English, Math, or Science	Two (2) additional years of English, Math, or Science
Two (2) years of Social Science	Two (2) years of Social Science
Four (4) additional years in any of the above areas of Foreign Language, Computer Science, Philosophy, or Nondoctrinal Religion	Three (3) additional years in any of the above areas or Foreign Language, Computer Science, Philosophy, or Nondoctrinal Religion

Please see your counselor for information about core courses offered at Flowing Wells. For more information about NCAA eligibility or the Clearing House, please contact the Athletics Department at 696-8021.

Types of Financial Aid include grants, loans, and work-study: These need-based sources of aid are available to qualified students who completed the Free Application for Federal Student Aid (FAFSA). The FAFSA must be completed and submitted after January 1 in senior year to receive maximum benefits. Those applying late will probably receive less financial aid and students cannot apply before October. FAFSA is available online at www.fafsa.gov starting in October. All students are expected to complete FAFSA prior to walking in graduation ceremonies. NOTE: Completing a FAFSA application is a FWHS expectation.

Another form of Financial Aid is a scholarship:

There are generally 3 types of scholarships: – Merit, Activity, or Sponsored. Most merit or sponsored scholarships are awarded based upon academic standing while activity scholarships (in music, drama, art, athletics, etc.) are based on demonstrated ability in the area in which the scholarship is given.

FWHS GRADUATION OPTIONS

COURSE	BLUE DIPLOMA	ARIZONA SCHOLAR	GOLD DIPLOMA
ENGLISH	4 credits	4 credits	4 credits-College Prep
MATH	4 credits	4 credits	4 college prep credits-Alg.I and beyond including a senior year class
SCIENCE	3 credits	3 credits of Lab Science	3 credits of Lab Science
HEALTH	.5 credit	.5 credit	.5 credit
SOCIAL STUDIES	3.5 credits-Including World History, Economics, US History, and US Government	3.5 Credits - Including World History, Economics, US History, and US Government	3.5 credits -Including World History, Economics, US History, and US Government
LANGUAGE	1 credit, 1-2 level	2 credits, 1-2 and 3-4 levels	2 credits, 1-2 and 3-4 levels
CTE/FINE ARTS	1 credit of either	2 total credits	1 credit of Fine Arts or CTE
TOTAL & OTHER REQUIREMENTS	22 credits	22 credits-2.0 GPA, or better in all "scholar" courses	23 credits-3.0 GPA or rank in top 1/4 of class

*All students must pass the Civics Test and CPR certification in order to earn a diploma.

*Students are expected to complete a FAFSA or college application.

STUDENT COURSE PLANNER

You need 22 credits to graduate. They are broken down into required courses and electives. After determining your goal of a Blue or Gold Diploma, select your courses and mark them on the course planner.

- 4 English credits
- ½ economics
- 4 math credits
- 2 history credits (World History)
- 3 science credits
- 1 government credits
- 1 foreign language credit
- 1 Fine Arts or CTE credit
- ½ health credit
- 5 other elective credits

Total = 22 credits for Blue Diploma or 23 credits for Gold Diploma

My Registration Planner	
(Circle your next level course A and B where appropriate as well as any courses that you must retake.)	
English	9 th English I A English I B 10 th English II A English II B 11 th English III A English III B 12 th English IV A English IV B
Math	9 th Algebra I A Algebra I B 10 th Geometry A Geometry B Geometry Honors 11 th Algebra II A Algebra II B 12 th Senior Math Selection (post-Alg II: _____)
Science	9 th Introduction to Physics or Honors Introduction to Physics 10 th Chemistry/EarthSci or Honors Chemistry/EarthSci 11 th or 12 th Required 3 rd year Science: _____ Optional 4 th year Science: _____
Foreign Language	9-12 Foreign Language I: _____ 9-12 Optional Foreign Language II (same language) _____
Health	10-12 Health
History	9 World History 11 US History
Government	12 Government
Economics	12 Economics
FA or CTE	9-12 Fine Arts or CTE elective:
Electives	Five other elective credits (Students are encouraged to complete advanced CTE courses in order to earn industry certification and credits as a Program Completer.)

Continuous Notice of Non-Discrimination:

FWSD is committed to a policy of nondiscrimination in relation to race, color, religion, sex, age, national origin, and disability. This policy will prevail in all matters concerning staff members, students, the public, educational programs and services, and individuals with whom the Board does business.

El FWSD está comprometido a mantener las normas no discriminatorias basadas en la raza, color de la piel, religión, sexo, edad, origen nacional y discapacidades. Esta norma prevalecerá en todo momento con relación a miembros del personal, los estudiantes, el público, los programas y servicios educativos, e individuos con quienes la Junta Escolar tiene vínculos comerciales

Compliance Coordinator for Sections 504 and Title II:

Kimberley Parkinson, Ed.D.
Assistant Superintendent
Flowing Wells School District
1556 West Prince Road, Tucson AZ 85705
(520) 696-8822

2019-2020 PSAT, SAT, & ACT Testing

College-bound students are recommended to take the April or May test during junior year or the June test immediately after their junior year. Students waiting to take the tests in November and December risk missing application deadlines at some selective colleges and they will miss the priority deadline for state universities' applications. Students applying to more competitive colleges should plan for at least two test dates; one for the ACT or SAT and the other for the SAT II.

Various aids exist to help students maximize their scores through preparation and practice. The quickest and least expensive is the study guide and test that is part of the registration packet for the test. Taking the test without any preparation is not recommended.

To obtain a complete list of testing dates, fee schedules, and test preparation information, please contact the counseling office or visit the following websites:

AP, PSAT, SAT: www.collegeboard.com

ACT: www.act.org

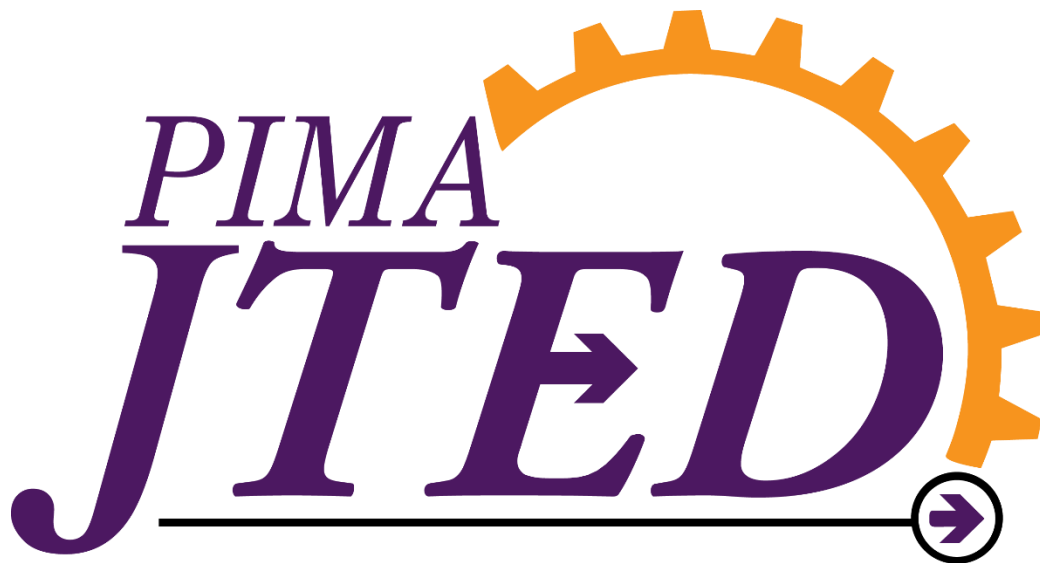
PreACT and PSAT Testing

PreACT

ACT offers the PreACT as a preparation for the ACT. The PreACT covers English, Mathematics, Reading and Science. The PreACT results report contains information about the student's skills, interests and goals. Students and parents, with the assistance of the counselor, are able to plan remaining high school courses that best prepare the student for college. The results also help the student and parent to consider options after high school.

PSAT

The PSAT is taken in the fall of the junior year and is designed to demonstrate how well a student will score on the SAT. The PSAT covers three areas, Critical Reading, Mathematics, and Writing. In addition, there is a PSAT Selection Index which is a sum of the three scores. The PSAT Selection Index is used in part to qualify for the National Merit Scholarship, which is why the PSAT is also known as the National Merit Scholarship Qualifying Test (NMQT).



In 2006, the voters of Pima County voted in favor of a Pima County Joint Technological Education District and the Pima County JTED was formed with eleven school districts. This has allowed Flowing Wells to build up existing Career & Technical Education (CTE) programs and offer new programs. Flowing Wells students, grades 10-12, can also attend Central JTED programs.

Please check at the Career & Technical Education Office (west of attendance office) for other opportunities that may become available around the city. Call (520) 352-5833 for more information or visit pimajted.org.

You must register for Central JTED classes on line via the JTED website. (pimajted.org)

Central JTED courses include:

Graphic Design
Graphic Design Intermediate
Graphic Design Advanced
Information Technology
3D Animation & Game Design
Cosmetology
Construction Technology
Aviation Technology
Heavy Equipment Operations
Precision Manufacturing & Mechanics
Emergency Medical Technician
Veterinary Science

Health Care Foundations
Personal Assistant Caregiver
Licensed Nursing Assistance
Registered Medical Assistant
Advanced Registered Medical Assistant
Medical Records Technology
Physical Therapy Technician
Energy Technology
Heating, Ventilation, & Air Conditioning
Advanced Precision Manufacturing
Fire Service
Law, Public Safety, & Security

ENGLISH

9-	10-	11-	12
Eng. I Eng. I - Honors	Eng. II Eng. II Honors	Eng.III – American Lit. Eng.III - Science Fiction Eng.III– AP Lang. and Comp.	Eng. IV World Literature Eng. IV Dark Romantic Lit. Eng IV AP Li.t and Comp.

English I (80008)

Course level: 9

Prerequisites: None

Course description: This foundational English course focuses on strengthening reading, writing, and research skills. Emphasis will be on the Six Traits of Good Writing and a variety of reading comprehension strategies. The class will also help prepare students for state testing.

Year

Credit: 1

English I – Honors (80009)

Course level: 9

Prerequisites: Commitment to the program

Course description: This accelerated course focuses on developing critical analysis, enhancing writing skills, building vocabulary, and implementing multiple reading strategies in preparation for future advanced courses and state testing.

Year

Credit: 1

English II (80010)

Course level: 10

Course description: This developmental English course focuses on strengthening reading, writing, and research skills. Emphasis will be on quality analytical writing and a variety of reading comprehension strategies. The class will help prepare students for state testing.

Year

Credit: 1

English II - Honors (80011)

Course level: 10

Prerequisites: Commitment to the program

Course description: In this challenging class, students will study advanced writing skills, research writing, and advanced literary analyses. British literature and test preparation is emphasized.

Year

Credit: 1

English III - American Literature (80012)

Course level: 11

Course description: This is a literature and writing course that reflects the diversity of America in literature. This course focuses on writing, rhetoric and test preparation.

Year

Credit: 1

English III – Science Fiction Literature (80013)

Course level: 11

Course description: Science Fiction Literature is a literature and writing course that focuses on the development of comparative, analytical writings and rhetoric in the Science Fiction genre. This course focuses on advanced writing and test preparation.

Year

Credit: 1

English III - AP Language & Comp (80014)

Course level: 11

Prerequisites: Commitment to the program

Course description: In this extremely challenging course, students will complete advanced analytical writing based on various forms of complex samples, including essays, speeches

Year

Credit: 1

and novels. The course prepares students for the Advanced Placement English examination and success in university English courses.

English IV – World Literature (80020)

Course level: 12

Course description: This diverse literature and writing class uses cultural and historical influences to provide access to the literature. Analytical writing and test preparation are essential. Comparative analytical writing, rhetoric and literature prepare students for college and testing.

Year

Credit: 1

English IV - Dark Romantic Literature (80016)

Course level: 12

Course description: This literature and writing class focuses on the motifs, conflicts, and themes of the Dark Romantic writings from the 1800's as well as contemporary pairings. Comparative analytical writing, rhetoric and literature prepare students for college and testing.

Year

Credit: 1

English IV - AP Literature & Comp (80017)

Course level: 12

Prerequisites: Commitment to the program

Course description: In this challenging course, students will complete advanced analytical writing based on various forms of complex literature, including poetry, short stories, drama, and novels. The course prepares students for the Advanced Placement English examination and success in university English courses.

Year

Credit: 1

English Language Development (ELD) & Structured English Immersion (SEI)

The courses for the ELD program are comprised of four required English classes for students who are non-English speaking or have limited English. Students must enroll in all four of the courses for his or her tested proficiency level.

ELD Writing I (10515) II (10555) III (10575)

Course level: 9 – 12

Prerequisites: Testing/District Policy

Course description: This course focuses on correct sentence and paragraph construction, spelling and punctuation in written English.

Year

Credit: 1

ELD Reading I (10510) II (10550) III (10570)

Course level: 9 – 12

Prerequisites: Testing/district policy

Course description: This course focuses on reading and comprehending written English.

Year

Credit: 1

ELD Grammar I (10520) II (10560) III (10585)

Course level: 9 – 12

Prerequisites: Testing/district policy

Course description: This course focuses on correct usage of spoken and written English grammar.

Year

Credit: 1

ELD Convention & Vocabulary I (10525) II (10565) III (10585)

Year

Course level: 9 – 12

Credit: 1

Prerequisites: Testing/district policy

Course description: This course focuses on learning and applying academic vocabulary in both written and spoken English.

SEI I (10590) and SEI II (10591)

Year

Course level: 9-12

Credit: 1

Prerequisites: Testing/ district policy

Course description: This course focuses on the integration of reading, writing, and speaking English in conjunction with increased exposure to literature.

MATHEMATICS

9-	10-	11-	12
Algebra I	Geometry	Algebra II	Finance Math
Geometry	Geometry Honors	Algebra II – Intermediate	Quantitative Reasoning
Geometry – Honors	Algebra II	Algebra II Honors	College Algebra
	Algebra II – Honors	Pre-Calculus 1-2	Pre-Calculus 1-2
		Pre-Calculus- Honors 1-2	Pre-Calculus- Honors 1-2
		Calculus A/B AP	Calculus A/B AP
		Computer Science AP	Computer Science AP
		Statistics AP	Statistics AP

Algebra I (99264)

Year

Course level: 9

Credit: 1

Prerequisites: none

Course description: This is the basis for all subsequent high school math classes. This course will focus on linear and quadratic equations and their relevant applications.

Geometry (99265)

Year

Course level: 9-10

Credit: 1

Course description: This class offers a continuation of the Euclidean geometry concepts with a focus on reasoning and making mathematical arguments. Students will explore connections between algebraic and geometric concepts in a problem solving environment. Concepts will include triangles, congruence and similarity, the coordinate plane, measurements of two and three-dimensional figures, and reasoning. Students will explore, discuss, and write about mathematical processes.

Geometry-Honors (99266)

Year

Course level: 9-10

Credit: 1

Prerequisites: Concurrent or prior enrollment in Algebra I

Course description: This is the first of the honors math courses and is designed to challenge the student. Inductive and deductive reasoning will be developed to enhance investigations of a geometric nature. Students will study Euclidian geometry with connections to the coordinate plane. Higher level concepts such as proofs, trigonometric ratios, and complex measurements in two and three dimensions will be explored.

Algebra II (99267) Year
Course level: 10-11 Credit: 1
Prerequisites: Algebra I and Geometry (may be taken in concurrently with Geometry)
Course description: This course builds on the algebraic concepts mastered in Algebra I and is designed to advance algebraic understanding and application. In addition, this course will introduce new subjects such as introductory trigonometry and rudimentary statistics. This course is fully aligned with Arizona's College and Career Ready Standards. **This course incorporates graphical and complex computational instruction which makes ownership of a graphing calculator imperative.** Activities will be incorporated that will help students develop problem solving skills.
*This course may count as year one in the coherent sequence for the Engineering track.

Algebra II - Intermediate (99269) Year
Course level: 11 Credit: 1
Prerequisites: Algebra I and Geometry; Teacher and Counselor pre-approval **required**.
Course description: This course builds on the algebraic concepts mastered in Algebra I and is designed to advance algebraic understanding and application. In addition, this course will introduce new subjects such as introductory trigonometry and rudimentary statistics. This course is fully aligned with Arizona's College and Career Ready Standards. **This course incorporates graphical and complex computational instruction which makes ownership of a graphing calculator imperative.** Activities will be incorporated that will help students develop problem solving skills.

Algebra II - Honors (99268) Year
Course level: 9-10 Credit: 1
Prerequisites: Algebra I and Geometry
Course description: This course builds on the algebraic concepts mastered in Algebra I and is designed to advance algebraic understanding and application. In addition, this course will introduce new subjects such as introductory trigonometry and rudimentary statistics. This course is fully aligned with Arizona's College and Career Ready Standards. **This course incorporates graphical and complex computational instruction which makes ownership of a graphing calculator imperative.** Activities will be incorporated that will help students develop problem solving skills. This course is similar to Algebra II with enhanced activities and exercises.

Finance Math Year
Course level: 11-12 Credit: 1
Prerequisite: Algebra II Post-Alg II Math Option
Course description: This course provides an algebra-based curriculum that focuses on financial topics such as investments, markets, consumer credit, budgets, taxes, business operations, independent living, and car/home ownership. Additional topics involving college algebra will be provided throughout the year for assisting in college placement.

Quantitative Analysis Year
Course level: 12 Credit: 1
Prerequisite: Algebra II Post-Alg II Math Option
Course description: This course challenges students to think critically, solve problems, conceptualize large numbers in the real world, manage money, reason statistically, apply statistics, calculate probabilities and risk assessments, use math to model periodic

phenomenon, estimate areas and volumes, use perspective and proportions, and understand uses of math in politics.

College Algebra (99273)

Year

Course level: 12

Credit: 1

Prerequisite: Algebra II

Post-Alg II Math Option

Course Description: This course is designed to be a in-depth review of algebra concepts taught in Algebra I and Algebra II. Activities will be incorporated that will enforce the skills necessary for success in PreCalculus at the college level. The course begins with a brief review of basic algebra review followed by the study of various functions and finishes with sequences, series, and probability. Time permitting the class will explore college entrance exams.

Pre-Calculus (11340)

Year

Course level: 11-12

Credit: 1

Prerequisites: Algebra II

Post-Alg II Math Option

Course Description: This course is designed to be an in-depth study of trigonometry and pre-calculus. Activities will be incorporated that will help develop the skills necessary for success in AP Calculus, AP Statistics or other college level mathematics. A graphing calculator (TI-83, or TI-84) will be needed to enhance student understanding and

Pre-Calculus- Honors (11350)

Year

Course level: 10-11

Credit: 1

Prerequisites: Honors Algebra II or Algebra II

Post-Alg II Math Option

Course description: This course is designed to be an in-depth study of trigonometry and pre-calculus. Activities will be incorporated that will help develop the skills necessary for success AP Calculus, AP Statistics or other college level mathematics. This course is designed for the student who enjoys math challenges. A graphing calculator (TI-83, or TI-84) will be needed to enhance student understanding and problem solving skills.

AP Statistics 1-2 (11460)

Year

Course level: 11-12

Credit: 1

Prerequisites: Algebra II, Honors Algebra II

Post-Alg II Math Option

Course description: This course will prepare the student for the first or second semester Statistics at a university level depending on the student's progress in class and the student's score on the AP exam. This course will address organizing data by looking for patterns and departures from patterns, producing data with samples, experiments, and simulations, probability as a foundation of inference, and explore inference in making conclusions with confidence.

AP Calculus-AB 1-2 (11450)

Year

Course level: 11-12

Credit: 1

Prerequisites: Honors Pre-Calculus or Pre-Calculus

Post-PreCalculus Math Option

Course description: This course will prepare the student for the first or second semester Calculus at a university depending on the student's progress in class and the student's score on the AP exam. The course will cover limits, derivatives, rates of change, integrals, and applications. AP credit may be earned by exam.

Computer Science A (AP)

Course level: 10 – 12

Prerequisites: Algebra II, concurrent enrollment is acceptable

Course Description: A year-long course that introduces the student to the fundamentals of software development. In AP Computer Science A, the student will learn logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. This CTE course is designed to provide the fundamentals of and practical workplace applications for programming methodology, algorithms, data structures, computer systems, and programmer responsibilities. This Advanced Placement course is the first year of the sequence for the program, and may lead to upper-level Computer Science AP classes.

Year

Credit: 1 Math/CTE

Computer Science AB (AP)

Course level: 11 – 12

Prerequisites: Algebra II and Computer Science A (AP)

Course description: This year-long course is the second year of the AP Computer Science sequence. In AP Computer Science AB, students will more extensively explore and apply software development, with a deeper focus on program design, algorithms, data structures, and execution costs. All enrolled will be members of a Career & Technical Student Organization, which provides an opportunity to contribute to the community using unique skills, plus travel representing FWHS and JTED in competitions, community projects, or presentations outside of the classroom. This Advanced Placement course may lead to computer science internships. Students who earned a C or better in AP Computer Science A may apply for concurrent internships or work experience credits.

Year

Credit: 1 Math/CTE

SCIENCE

9-	10-	11-	12
Intro Physics 1-2	Chemistry	Biology 1-2	Biology AP
Intro Physics 1-2 Honors	Chemistry - Honors	Biology 1-2 Honors	Environmental Science AP
Intro to Physics --Agriculture		Biotechnology	Biotechnology-Advanced
		Chemistry	Chemistry
		Chemistry AP	Chemistry AP
		Anatomy & Physiology	Physics
		Physics	*any science course not previously taken

Introductory Physics (12336)

Course Level: 9

Prerequisites: None

Course Description: This course is an introduction to science at the high school level. The math-based science class is paired with Algebra I to provide support and reinforcement for students who may need additional support in math as they explore the scientific process through project-based active learning. This is a beginner-level science class with math support. Additional emphasis will include space science concepts and applications.

Year

Credit: 1

Introductory Physics Honors

Year

Course Level: 9

Credit: 1

Prerequisites: Commitment to program

Course Description: This course is an introduction to science at the high school level. The math-based science class is paired with Algebra I and Geometry to provide support for practical applications of math. Students will explore the scientific process through project-based active learning. This is a beginner-level science class with math support. Additional emphasis will include space science concepts and applications.

Intro to Physics—Agriculture

Year

Course Level: 9

Credit: 1

Prerequisites: Concurrent enrollment in Agriculture 1-2

Course description: This course is an introduction to science at the high school level. The math-based science class is paired with Algebra I to provide support and reinforcement for students who may need additional support in math as they explore the scientific process through project-based active learning. This is a beginner-level science class with math support. Additional emphasis will include agriculture, aviation, and space science concepts with applications.

Chemistry/EarthSci 1-2 (12240)

Year

Course level: 10

Credit: 1

Prerequisites: Algebra 1-2 or concurrent enrollment

Course Description: Students will study the physical world and learn basic physical laws, as well as learn about Science oriented careers such as nursing, engineering, medicine, and psychology. This class includes active laboratory experiences. Good math skills are a must. Additional emphasis will include earth science concepts and applications.

Honors Chemistry/EarthSci 1-2 (12250)

Year

Course level: 10

Credit: 1

Prerequisites: Algebra I or concurrent enrollment

Course Description: Students will be able to solve chemistry related problems using the following information and skills: writing formulas, kinetics, gas laws, energy, chemical equations, acids, bases, salts, oxidation, reduction, and organic chemistry. Solid math skills are a must. Additional emphasis will include earth science concepts and applications

Biology 1-2 (12200)

Year

Course level: 11-12

Credit: 1

Prerequisites: Introductory Physics and Chemistry

Course description: The course covers the nature of life and cells, the DNA-RNA-protein basis of life, genetics, evolution and natural selection, and the division and organization of life on Earth. Individual or group participation in the science fair is required.

Biology Honors (12207)

Year

Course level: 11-12

Credit: 1

Prerequisites: Introductory Physics and Chemistry

Course description: This course covers the content of the Biology 1-2 course in greater depth and detail, and at a more rapid pace. It is a challenging course with higher expectations for outside studying, homework, and time management. Individual participation in the science fair is required, as well as an end-of-year research project.

Anatomy and Physiology (12245) Year
Course level: 11-12 Credit: 1 Science/CTE
Course Description: This course includes topics in advanced human anatomy and physiology, disease analysis and basic medical terminology. Explored topics are medical ignorance, cells and tissues, skeletal system, muscular system, cardiovascular system, respiratory system, reproductive system, nervous system, endocrine system, lymphatic system, digestive system, urinary system, and the integumentary system. Laboratories and dissections are incorporated into the class as well as biology standards.

Biotechnology (12209) Year
Course level: 10-12 Credit: 1 Science/CTE
Course Description: This is a lab course that focuses on laboratory techniques, forensic science, DNA analysis, microbiology, and medical/pharmaceutical sciences. This will be a very lab intensive class, and students will also be expected to design and implement experiments throughout the year. This course will also incorporate all biology standards.

Advanced Biotechnology (12221) Year
Course level: 11-12 Credit: 1
Prerequisites: Biotechnology CTE Option
Course description: This course is open to students who have completed Biotechnology. The first semester of this course will require students to design and implement their own long term research project which is then presented at the science fair. The second semester focuses on advanced laboratory techniques such as cloning, DNA sequencing, and protein analysis.

Physics 1-2 (12330) Year
Course level: 11-12 Credit: 1
Prerequisites: Geometry, Concurrent enrollment in Algebra II permitted
Course Description: This course is intended for those interested in pursuing science as a career and/or those who are curious about the workings of the physical world around them. The course integrates the science and mathematics with real world applications.

Biology - AP (12208) Year
Course level: 11-12 Credit: 1
Prerequisites: Introductory Physics and Chemistry
Course Description: This is a rigorous and rewarding college level biology lab course. The course covers cell and molecular biology, genetics, evolution, ecology, and anatomy/physiology. The content of the first two semesters of biology usually taught in college are covered, and passing score on the AP Biology exam results in college credit at most colleges and universities. Students who succeed in introductory physics and chemistry may enroll in this course, even if they did not take the honors courses.

Chemistry - AP (12453) Year
Course level: 11-12 Credit: 1
Prerequisites: Chemistry 1-2 and Algebra II or concurrent enrollment in Alg II
Course Description: AP Chemistry is a rigorous lab science course in which students attain a deeper understanding of the fundamentals of chemistry. Explored topics are the structure of matter, states of matter, reaction types, stoichiometry, kinetics, equilibrium, and thermodynamics, all with an emphasis on chemical calculations and the mathematical formulation of principles. A passing score on the AP Chemistry exam may qualify the student for credit at most colleges.

Environmental Science - AP (12136)Year
Credit: 1

Course level: 11-12

Prerequisites: Prior or concurrent enrollment in Algebra I

Course Description: This course provides in-depth knowledge about and analysis of the relationship between humans and the natural world. This course teaches the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

SOCIAL STUDIES

9-	10-	11-	12
World History World History Honors	History-Euro AP (<i>an elective</i>)	US History US History AP Economics* Economics AP	US Government US Government AP Economics* Economics AP

World History 1-2 (13125)Year
Credit: 1

Course level: 9

Course description: Learn about the story of the human community. This course examines the political, economic, cultural, and social histories of people around the world.

Honors World History 1-2 (13135)Year
Credit: 1

Course level: 9

Course description: This is an accelerated college preparatory world history course. The course will take an in-depth look at cultural development through world history and geography. Students will also learn skills that will enable them to be successful in advanced level social studies courses.

European History - AP (13200)Year
Credit: 1

Course level: 10-12

Course description: This accelerated elective course provides students with the analytical skills and factual knowledge necessary to understand some of the principal themes in modern European history and to analyze historical evidence and historical interpretation. The course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

U.S. History (13310)Year
Credit: 1

Course level: 11

Course description: In-depth study of U.S. history from pre-history to the present. Various themes in U.S. history and major social issues are creatively explored.

U. S. History – AP (13325)

Year

Course level: 11

Credit: 1

Course description: The study of the history of the United States, from the age of discovery to the twenty-first century, is the focus of this course. Studying history helps in understanding the present and its relation to the future. The background of the U. S., including native, minority, and European cultures, slavery, industrialization, and modern growth will be explored through cause and effect. A term paper will be required to pass this class.

Economics (13303)

1 Sem

Course level: 11-12

Credit: ½

Course description: Economics emphasizes the study of the theoretical aspects of the capitalistic economics system. It surveys other economic systems in the world and compares them with our economic system and defines the role of the private citizen functioning within these systems.

AP Economics (13360)

Year

Course level: 11-12

Credit: 1

Prerequisites: Algebra I and Geometry or concurrent enrollment

Course description: AP Economics is a yearlong course that consists of the study of microeconomics and macroeconomics. Microeconomics is the study of the choices made by individuals, households, companies, and markets. Macroeconomics examines the behavior of the national economy and international trade.

U.S. Government (13400)

Year

Course level: 12

Credit: 1

Course description: Government class is designed to give students a functional understanding of our three government branches at the local, state, and national levels. Current events are emphasized to make government studies relevant.

U.S. Government - AP (13410)

Year

Course level: 12

Credit: 1

Course description: This accelerated course provides an analytical perspective on government in the United States. Students will investigate issues and challenges in government. The course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

MODERN LANGUAGES

9-	10-	11-	12
French 1-2 Spanish 1-2 Spanish 3-4	French 3-4 Spanish 3-4 Spanish 5-6	Spanish 5-6 Spanish AP*	Spanish AP*

*Earning a 3, 4, or 5 on the Spanish AP test may qualify the student for a Bilingual Seal on his/her diploma.

French 1-2 (14110) Year
Course level: 9-12 Credit: 1
Prerequisites: none
Course description: This course will introduce, develop, and improve the four basic skills of listening, reading, writing, and speaking necessary for students to communicate in French in the present tense. The student will become acquainted with the customs, culture, and history of French-speaking people throughout our world.

French 3-4 (14210) Year
Course level: 10-12 Credit: 1
Prerequisites: French 1-2
Course description: This course reviews basic vocabulary and the present tense verb conjugation. It introduces the past tense and various object pronouns. Students will develop a more intense working knowledge of the spoken and the written language.

Spanish 1-2 (14130) Year
Course level: 9-12 Credit: 1
Prerequisites: none
Course description: This course will introduce and develop the four basic skills of listening, reading, writing, and speaking necessary for students to communicate in Spanish in the present tense. The student will become acquainted with the customs, culture, and history of Spanish-speaking people throughout our world.

Spanish 3-4 (14230) Year
Course level: 10-12 Credit: 1
Prerequisites: Spanish 1-2
Course description: This course reviews the basic vocabulary and the present tense of verbs from Spanish 1-2. It introduces the preterit and the imperfect verb tense, object pronouns, and additional vocabulary. The student will develop a more intense working knowledge of both spoken and written Spanish, and will continue to learn about the customs, culture, and history of Spanish-speaking people throughout our world.

Spanish 5-6 (14330) Year
Course level: 10-12 Credit: 1
Prerequisites: Spanish 3-4 or 3-4 Challenge Exam
Course description: This course is intended for the student who is serious in pursuing a more in-depth study of the Spanish language and of the Spanish-speaking world. There are numerous skits and oral presentations. In addition to reviewing the knowledge gleaned from Spanish 3-4, students will complete their study of the indicative tense and will also learn how to form the imperative tense as well as use the subjunctive mood. While increasing their knowledge of vocabulary, the students will read, discuss, and write about various themes and topics in Spanish. Emphasis will be placed on oral presentations.

AP Spanish (14455)

Year

Course level: 11-12

Credit: 1

Prerequisites: Spanish 3-4

Course description: This course is intended for the student of Spanish who is intent on pursuing an in-depth study of the Spanish language. This course is centered around six global themes and includes research, debates, formal and informal presentations, improvisation, heavy and rich vocabulary, as well as reading classic Latin American literature. Advanced Placement testing is available for possible college credit. **Earning a 3, 4, or 5 on the Spanish Advanced Placement exam may qualify the student for a Biliteracy Seal on his/her diploma.**

SPECIAL EDUCATION

The Special Education Department and Life Skills Courses offer English, math, social studies, reading, and science courses to meet students' individual needs. Career exploration/preparation, vocational evaluations, and work experience opportunities are available for those students who qualify. Students must meet guidelines set forth by P.L. 94-142. Contact Pupil Services at 696-8836 for specific information.

***English I (20106)**

Year

Course level: 9-12

Credit: 1 R

Prerequisites: Special Education placement

Course description: The purpose of this course is to remediate reading skills for the student with moderate to severe reading and language deficits. Teaching strategies will incorporate a phonetic and whole language approach in the areas of word recognition, reading comprehension, vocabulary development, written expression, and reading for enjoyment. Instructional methods will utilize small group and individually paced instruction.

***English II (20107)**

Year

Course level: 9-12

Credit: 1 R

Prerequisites: Special Education placement

Course description: The purpose of this course is to remediate reading/writing skills for students with moderate to severe written language and/or reading deficits. Teaching strategies will incorporate modified techniques that emphasis the 6 traits of writing in the areas of ideas and content, organization, voice, word choice, conventions and sentence fluency. The students will also improve their reading, writing, and communication skills. They will produce a grade level research paper for content area and demonstrate ability to work cooperatively. Students will practice reading skills through a variety of reading strategies used to improve comprehension. Teaching methods will utilize small group and modified pace instruction.

***English III (20108)**

Year

Course level: 11

Credit: 1 R

The purpose of this course is to remediate reading skills for the student with moderate to severe reading deficits. Teaching strategies incorporate a blended reinforcement in vocabulary acquisition, reading comprehension, written expression, and test preparation.

Teaching methods utilize small group and individually paced instruction covering modified curriculum and pace from Junior American Literature.

***English IV (20109)**

Year

Course level: 12

Credit: 1 R

The purpose of this course is to remediate reading/writing skills for students with moderate to severe written language and/or reading deficits. The class focuses on high-level and real-world application of reading and writing skills. They will practice analytical skills in both literature and non-fiction texts and writing will cover essays, research presentations and speeches. Students will focus on their individual improvement in reading and writing to prepare for life after high school as well as skills in self-regulation and personal accountability. They will practice professional deportment and communication. Teaching strategies will include small-group and individually paced instruction.

***Transition Support (20160)**

Year

Course level: 11/12

Credit: 1/2 R 1/2 E

Prerequisites: Special Education placement

Course description: This course will emphasize developing skills necessary for students to make the transition from high school to work or post-secondary education. The focus will be on activities designed to develop skills in the areas of adult and daily living, community experience, career and employment, post-secondary education and learning, disability awareness and financial and consumer awareness. The class will utilize community based instruction as often as is available and appropriate. Students will gain employment skills by working in a school-based, student-run business. *Economics requirement met through this course.

***Algebra I (99270)**

Year

Course level: 9-12

Credit: 1 R

Prerequisites: Special Education placement

Course description: This is the basis for all subsequent high school math classes. This course will focus on linear and quadratic equations.

***Geometry (99271)**

Year

Course level: 10

Credit: 1 R

Prerequisites: Algebra A/B

Course description: More complex math skills and problems prepare the students for life after high school. Additionally, curriculum will address skill required to prepare for DAP and ACT testing.

***Algebra II (99272)**

Year

Course level: 9-12

Credit: 1 R

Prerequisites: Algebra 1-2 and Geometry

Course description: This course is designed to advance algebraic understanding and application. Activities will be incorporated that will help students develop problem solving skills.

***Independent Life Skills 9-12 (r-20610, w-20620, g-20630, m-20640)**

Year

Course level: 9-12

Credit: 1 R

Prerequisites: None

Course description: The purpose of this course is to teach students skills needed to live as independently as possible. Instruction is included in the following areas: food preparation/cooking use of public transportation, job skill training, social skills development, domestic skills, hygiene, recreation/leisure skills, and academics. Instructional methods will include one to one/small group instruction as well as community-based instruction.

SEAS* (21820-Eng., 21800-Math, 21810-Sci., 21830-Soc.St.)

Year

Course level: 9-12

Credit: 1

Prerequisites: Special Education placement

Course description: SEAS courses (math, English, science and social studies) will emphasize developing communication skills, problem-solving abilities, self-esteem and work/study, and vocational skills. Students will participate in weekly group discussions.

2019-2020 Course Offerings-ELECTIVES

CAREER & TECHNICAL EDUCATION

Agriculture 1-2 Intro Agriculture Intermediate 3-4 Agriscience I 5-6 Agriscience II 7-8 Ag. FFA Leadership Dev. Agricultural Engineering-NEW	Teachers of Tomorrow 1-2 Teachers of Tomorrow 3-4 Teachers of Tomorrow 5-6 Teachers of Tomorrow 7-8	Fashion Design 1-2 Fashion Design 3-4 Fashion Design 5-6 Fashion Design 7-8	Culinary Arts 1-2 Culinary Arts 3-4 Culinary Arts 5-6
Film Making – Intro Film Making –Intermediate Film Making – Advanced	Photography – Intro Photography – Intermediate Photography --Advanced	Indus. Tech Auto Automotive 1-2 Auto Block (2 hours)	Sports Medicine Tech Sports Medicine 1-2
Theater Tech/Stagecraft– Intro Theater Tech/Stagecraft Advanced	Graphic Design – Intro* Graphic Design – Intermediate* Graphic Design – Advanced*	Anatomy (Science) Biotechnology – Advanced (Science) Biotechnology (Science)	Computer Science AP (Math)
Engineering I Engineering II	*Students must be in 10 th or higher to enroll Graphic Design courses.		

CTE Program Concentrators and/or Completers may be eligible for the Work Experience/Internship Class.

FINE ARTS

Band - Concert Band - Pomline Band - Wind Ensemble Band - Jazz Ensemble Piano – Beginning Guitar – Beginning Orchestra String Orchestra Chamber	Choir –Caballero Chorus Choir – Concert Choir Choir – Bella Voce Choir - Choralaires	Dance – Beginning Dance – Intermediate Dance – Partner Dance Dance – Momentum Dance - Pulse Film History	Theater 1-2 Theater 3-4 Theater 5-6 Art – Intro Art --Advanced
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OTHER ELECTIVES

Ultimate P.E. Walking 101 Basketball/Volleyball Weight Training Sports Conditioning 1-2 Sports Conditioning 3-4 Health* - Fitness, Wellness & Applied Health*	JROTC 1-2 LD JROTC 3-4 LD JROTC 5-6 PE JROTC 7-8 PE JROTC Adv. Train. European History AP Psychology AP	Psychology* Student Government Yearbook Cadet Teaching Work Experience Internship Student Aide
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*one semester course

CENTRAL JTED PROGRAMS

Graphic Design Aviation Technology Precision Manufacturing & Mechanics Fire Service Veterinary Science Graphic Design Intermediate Graphic Design Advanced Information Technology	Health Care Foundations Energy Technology Cosmetology Emergency Medical Technician Law, Public Safety, & Security Personal Assistant Caregiver Licensed Nursing Assistance Registered Medical Assistant	Heavy Equipment Operations Heating, Ventilation, & Air Conditioning Advanced Precision Manufacturing Medical Records Technology Physical Therapy Technician Construction Technology Advanced Registered Medical Assistant 3D Animation & Game Design
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CENTRAL JTED PROGRAMS ARE ONLY OPEN TO STUDENTS IN GRADES **10-12**.

CAREER AND TECHNICAL EDUCATION ELECTIVES

Agriculture – Intro 1-2 (16125)

Year

Course level: 9-11

Credit: 1 CTE

Prerequisites: Concurrent enrollment in Intro to Physics-Ag

Course description: This course is an introduction to the basic concepts in agriculture, with a hands-on emphasis. Students will explore the foundations of the FFA, agricultural careers; develop basic workplace skills, and public speaking skills through the learning of the FFA Creed, and basic parliamentary procedures. This course will cover various subject areas related to agricultural science; e.g. laboratory safety, plant and animal science, nutrition, environmental science, and natural resources. When combined with the sophomore level intermediate agriculture class, it offers a high school science credit.

Agriculture – Intermediate 3-4 (16135)

Year

Course level: 10-12

Credit: 1 CTE

Prerequisites: Intro to Agriculture, may enroll in Agricultural Engineering

Course description: The focus of this course is the operation of our high tech, state-of-the-art greenhouse. Students will engage in daily basic greenhouse operations; organic greenhouse production, and hydroponic plant care, from seeding and planting, to harvesting and marketing the “product of our toil”. Students will learn first-hand about plant nutrition, pest management, and the basic agricultural mechanic skills needed to maintain an agricultural facility. Students will also have the opportunity to participate in various FFA events and are required to maintain an SAE project, along with an electronic record book.

Agricultural Engineering-NEW COURSE

Year

Course Level: 10-12

Credit: 1

Prerequisite: Concurrent or prior enrollment in Ag 3-4, Ag 5-6, or Ag 7-8

Course description: Agricultural engineering is the application of mathematics, physical and biological science, and engineering to agriculture, food systems, energy, natural resources, the environment, and related biological systems with emphasis on environmental protection and the biological interface of plants, animals, soils, and microorganisms. Aviation assistance, such as drone monitoring, is a part of this course. Leadership development is provided through FFA participation. Each advanced student is expected to complete a Supervised Agricultural Experience (SAE) project.

Agriscience I 5-6 (16335)

Year

Course level: 11-12

Credit: 1 CTE

Prerequisites: Intermediate Agriculture 3-4, may enroll in Agricultural Engineering

Course description: This course is a composite of various agricultural instruction areas, ranging from the development of “soft” skills needed in employment; e.g. leadership, communication, creating a personal portfolio, interview skills, as well as learning to manage an agricultural business (greenhouse management/production) and marketing the products we produce to the community. Students will have a chance to participate in a variety of hands-on agricultural instruction to develop practical skills relating to plant production and management, e.g. seeding, transplanting, propagation techniques, as well as basic agricultural mechanic skills required to work in a plant systems operation; landscape and greenhouse irrigation, creating a bill of materials, working sketches, as well as develop basic construction skills/knowledge; e.g. concrete, wood and some electrical relating to solar energy. Students will also develop and polish their communication skills through researching and writing prepared speeches relating to

current agricultural issues.

Agriscience II 7-8 (16435)

Course level: 12

Prerequisites: Agriscience I, 5-6, may enroll in Agricultural Engineering

Course description: This course is a composite of various agricultural instruction areas, ranging from the development of “soft” skills needed in employment; e.g. leadership, communication, creating a personal portfolio, interview skills, as well as learning to manage an agricultural business (greenhouse management/production) and marketing the products we produce to the community. Students will have a chance to participate in a variety of hands-on agricultural instruction to develop practical skills relating to plant production and management, e.g. seeding, transplanting, propagation techniques, as well as basic agricultural mechanic skills required to work in a plant systems operation; landscape and greenhouse irrigation, creating a bill of materials, working sketches, as well as develop basic construction skills/knowledge; e.g. concrete, wood and some electrical relating to solar energy. Students will also develop and polish their communication skills through researching and writing prepared speeches relating to current agricultural issues.

Year

Credit: 1 CTE

FFA Leadership Development (16500)

Course level: 10-12

Prerequisites: Concurrent enrollment in Agriculture 3-4, 5-6, or 7-8

Course description: Students serving as chapter officers learn cooperation, committee work, officer duties, parliamentary procedures, public speaking, event planning, and host FFA activities. This course includes Supervised Agriculture Experience projects which offer students opportunities to gain workplace skills through employment in an agriculture-related job. This offers a direct lab experience where students are responsible for an extensive project at the high school agriculture facility or an ownership enterprise, such as raising and selling animals or plants. Students will also be responsible for keeping accurate record books and work in cooperative learning environments. Economic principles will be polished through participation in related FFA events.

Year

Credit: 1 CTE

Teachers of Tomorrow 1-2 (31023)

Course level: 9-12

Prerequisites: None

Course Description: This course is designed to introduce students to the knowledge and skills necessary to be successful in the exciting world of teaching. Students will explore learning styles, multiple intelligences, stages of development, creative projects and education of students of all ages. Creation, design, and implementation of lessons will be realized by teaching at various district sites both on and off the FWHS campus. (Students will be encouraged to join the Future Educators of Arizona Student Organization which provides opportunities to travel, lead, compete and earn scholarships both in the state of Arizona and nationally.)

Year

Credit: 1 CTE

Teachers of Tomorrow 3-4

Course level: 10-12

Prerequisites: Teachers of Tomorrow 1-2

Course description: This advanced course is designed to prepare students to apply the skills necessary to become a successful teacher. The advanced students will be immersed in a full-time teaching experience of students of all ages along with professional development classes. Students will use iPad technology to assist them in the planning an

Year

Credit: 1 CTE

implementation of lessons and activities for student at various district sites both on and off the FWHS campus. Students will be encouraged to join the Future Educators of Arizona Student Organization which provides opportunities to travel, lead, compete, and earn scholarships both in the state of Arizona and nationally.

Teachers of Tomorrow 5-6 (31027)

Year

Course level: 11-12

Credit: 1 CTE

Prerequisites: Teachers of Tomorrow 3-4

Course description: This course is designed to provide hands-on application of lesson design and instructional skills. Students will complete teacher observations, develop online modules, develop unit plans, and work with learning games in their teacher cadet positions.

Teachers of Tomorrow 7-8

Year

Course level: 11-12

Credit: 1 CTE

Prerequisites: Teachers of Tomorrow 5-6

Course description: This course is designed to provide extensive hands-on application of lesson design and instructional skills. Students will complete teacher observations, develop online modules, develop unit plans, and work with learning games in their advanced teacher cadet positions.

Culinary Arts 1-2 (18125)

Year

Course level: 10-12

Credit: 1 CTE

Course description: This course is designed to prepare students to apply the technical knowledge and skills needed for food production, service occupations, and commercial food establishments. Skills developed in Culinary Arts include identification, selection, storage, safety/sanitation of commercial food, and equipment.

Culinary Arts 3-4 (18135)

Year

Course level: 11-12

Credit: 1 CTE

Prerequisites: Culinary Arts 1-2

Course Description: Advanced culinary will assist students in further developing their job skills for institutional food and commercial services. In this course, students will expand upon basic culinary techniques as well as learn more advanced skills. Field trips, guest speakers, and ServeSafe Certification opportunities will be utilized in this class.

Culinary Arts 5-6

Year

Course level: 11-12

Credit: 1 CTE

Prerequisites: Culinary Arts 3-4

Course Description: The Culinary Arts work experience class with assist students in advanced job skills for institutional food and commercial services. In this course students will apply culinary skills in cooking for large groups, small groups, and competitions with an emphasis on catering and food ordering and production.

Fashion Design 1-2 (18220)

Year

Course level: 9-12

Credit: 1 CTE

Prerequisites: None

Course description: Would you like to have a one-of-a-kind hoodie that cannot be bought in a store? First year fashion students will make a garment for themselves after learning how to operate a sewing machine. Students will also learn the steps of fashion production while making a project and will learn fashion drawing techniques, elements

and principles of design, how history affects current trends and the steps of garment production.

Fashion Design 3-4 (18222)

Year

Course level: 10-12

Credit: 1 CTE

Prerequisites: Fashion Design 1-2

Course description: How would you like to use your elective as a stepping stone into a job? Fashion 3-4 students will learn how to take inventory, sort merchandise, produce displays, and plan promotions for a retail store, along with customer service skills. Students will also complete a project while learning how to create in the fashion business. Second year students will be making two garments using commercial patterns while learning new sewing techniques and how to fit to a model.

Fashion Design 5-6 (18223)

Year

Course level: 11-12

Credit: 1 CTE

Prerequisites: Fashion Design 3-4

Course description: Would you like to learn how to create and produce your own line of clothing and accessories? Students learn to complete a fashion design project from sketch to completed garment. Students will also learn how to complete alterations to garments, alter a commercial pattern, and create their own patterns by draping or by flat pattern methods. Students will be part of the production team for Fusion, our annual spring fashion show.

Fashion Design 7-8 (18227)

Year

Course level: 12

Credit: 1 CTE

Prerequisites: Fashion Design 5-6

Course description: Students will work to identify their signature design styles and create collections that reflect their fashion style. Students will also learn different textile design techniques and will use at least one of them to create their own fabrics which will be incorporated into their collections. This advanced fashion design class will coordinate and produce Fusion, the annual spring fashion show.

Graphic Design - Intro (15221)

Year

Course level: 10 – 12

Credit: 1 FA/CTE

Course Description: A year-long course that introduces the student to the Graphic Design program. In Graphic Design, the student will learn to use various Adobe programs (Photoshop, Illustrator, InDesign) while designing a variety of digital art. This course is the first year of the sequence for the program, and may lead-in to upper-level Graphic Design classes. **Additional registration with JTED must be completed by student prior to beginning course.*

Graphic Design - Intermediate (15230)

Year

Course level: 11 – 12

Credit: 1 FA /CTE

Prerequisites: Intro Graphic Communications, Photography or Graphic Design

Course description: The second year of Graphic Design's sequence. You'll learn to create artwork for a variety of purposes, including: t-shirt printing, embroidery, and commercial printing. Intermediate Graphic Design students will balance in-class projects with work for real-world clients as a graphic design business, building careers skills for their futures. All enrolled will be members of a Career & Technical Student Organization, an opportunity to contribute to the community using unique skills, plus travel representing JTED in design competitions outside of the classroom. While developing

abilities with professional software (Adobe Photoshop, Illustrator & InDesign), students will learn the roles of a professional artist while creating a variety of projects that include: logos, posters, t-shirts, brochures, and illustrations. **Additional registration with JTED must be completed by student prior to beginning course. **Student may earn DAR 102 credit at Pima Community College by passing this course with a C or higher.***

Graphic Design - Advanced (15240)

Year

Course level: 12

Credit: 1 FA /CTE

Prerequisites: Intermediate Graphic Design (with C or higher)

Course description: The third year of Graphic Design's sequence. In Advanced Graphic Design I, upper-level students continue work as a design studio / advertising agency, further developing skills for careers in the visual arts. Advanced members can serve in leadership roles of the Career & Technical Student Organization, contributing to their community with design skills and representing JTED at design competitions. In this year, students are expected to develop a portfolio that represents their diversity of design skills. **Additional registration with JTED must be completed by student prior to beginning course. **Student may earn DAR 120 credit at Pima Community College by passing this course with a C or higher.***

Photo I - Introduction (15220)

Year

Course level: 9-12

Credit: 1 FA/CTE

Course Description: Students will learn the fundamentals of photography by focusing on photographic basics such as composition, manual camera techniques, and Photoshop editing techniques. Students will be using Digital SLR cameras, Adobe Photoshop & Apple computers. Students enrolled in this class will have opportunities to enter their work in exhibitions, local competitions, and become members of our Photography Club (CTSO). Projects will require students to conduct work both in and out of class. All projects given in class will be modeled after industry projects but will have a fine arts emphasis. Following a successful completion of this class, students will be eligible to enroll in either Intermediate Photography to deepen their knowledge and strengthen their skills.

Photography II - Intermediate (19520)

Year

Course level: 10-12

Credit: 1 CTE/FA

Prerequisites: Introduction to Photo

Course description: Students in Intermediate Photography will apply the fundamentals of photography to the art of documenting people, events, and places through the various photographic genres such as portrait photography, event photography, landscape, light art, macro, food photography, fashion photography, and many more. Students will also learn the communicative power that photography has on our culture. Projects will require students to conduct work outside of class and in the community. Students will be using Digital SLR cameras, Adobe Photoshop, digital archival color printing and gallery framing. Students enrolled in this class will have opportunities to travel and compete in photo competitions across the state as well as become members of our Photography Career & Technical Student Organization (Photo Club). At the end of the year, students will produce a professional portfolio of their work. All projects given in class will be modeled after industry projects but will have a fine arts emphasis.

Photo III - Advanced (19530)

Course level: 11-12

Prerequisites: Photo Intermediate

Course description: Advanced Photography is a class for students who are interested in a career in photography. Students will learn how to use the photography studio and on location lighting techniques for a client and personal work. Students will also take action and candid photography to support the school yearbook and other district publications. Work may be required during lunch, before and after school, and on weekends. Projects will require students to work in and outside of class for school and community projects. Students will use digital SLR cameras, professional studio and on location strobe lights, Adobe Photoshop, and digital archival printing to present their work to clients, photography competitions, and galleries. Students enrolled in this class will have opportunities to travel and compete in photo competitions across the state as well as be members in our photography Career & Technical Student Organization Photography Club (Photography Club). At the end of the year, students will develop a professional photo portfolio for use in job applications and future industry advancement. All projects given in class will be modeled after industry projects but will have a fine art emphasis.

Year

Credit: 1 CTE/FA

Film - Introduction (16299)

Course level: 9-12

Prerequisites: None

Course Description: Students will learn the fundamentals of filmmaking starting with script writing, storyboarding, camera angles, shot types and camera movement. Students will be using Digital SLR cameras & camcorders, Adobe Premier and Apple computers. Students enrolled in this class will have opportunities to enter their work in exhibitions, local competitions, and become members of our Film Club (CTSO). Projects will require students to conduct work both in and out of class. All projects given in class will be modeled after industry projects but will have a fine arts emphasis. Following a successful completion of this class, students will be eligible to enroll Intermediate Filmmaking to deepen their knowledge and strengthen their skills.

Year

Credit:.1 CTE

Filmmaking - Intermediate (16300)

Course level: 10-12

Prerequisites: Introduction to Photo/Film

Course description: Students in this class will continue to develop their filmmaking skills by creating more advanced types of films such as documentaries, tutorials, music videos, and dramatic narratives. Students will explore the communicative power filmmaking has on our culture. Projects will require students to conduct work outside of class and in the community. Students will be using digital camcorders & professional lighting & audio equipment for filming. Adobe Premiere & After Effects will be used for post-production video, audio, and motion graphic editing. Students enrolled in this class will have opportunities to travel and compete in film competitions across the state as members of the Filmmaking Career & Technical Organization (Film Club).

Year

Credit: 1 CTE

Filmmaking Advanced (16310)

Course level: 10-12

Prerequisites: Intermediate Filmmaking

Course description: In this class, students will produce district projects and creative films for entry into film festivals and contests. Projects will require students to work in and out of class. Students will digital camcorders & professional lighting & audio equipment for

Year

Credit: 1 CTE

filming. Adobe Premiere & After Effects will be used for post-production video, audio, and motion graphic editing. Students enrolled in this class will have opportunities to travel and compete in film competitions across the state as members of the Filmmaking CTSO Film Club (CTSO). At the end of the year, students will produce a professional reel for use in job applications and future industry advancement.

Auto – Industrial Tech (16115)

Year

Course level: 9-11

Credit: 1 CTE

Prerequisites: None

Course description: This class is for those wanting to learn the basics of vehicle maintenance and shop operations. Students will learn shop safety, industry standards, basic maintenance and repair as well as explore related jobs in the automotive field. CTSO participation is expected.

Automotive Technology 1-2 (16170)

Year

Course level: 10-12

Credit: 1 CTE

Prerequisites: Auto- Industrial Tech

Course description: A detailed hands-on look at the basic technical aspects of automotive maintenance and repair. Topics include the automotive trade, safety, technical math, automotive design, reference materials, fasteners, tools, fluids, lubricants, seals, gaskets, and electrical principles as well as engine, transmission, differential, and basic air conditioning. This class includes participation in the Skills-USA national student organization and is strongly recommended for the more serious student and as a background for the two period vocational automotive block classes.

Automotive Block - 2 Hour Block (16180)

Year

Course level: 11-12

Credit: 2 CTE

Prerequisites: Industrial Tech Auto & Automotive Technology

Course description: This class is a very detailed, structured, hands-on, and theoretical look at the technology used in vehicles for direct entry into the automotive repair industry or for further automotive post-secondary education. This program is National Automotive Technical Education Foundation Certified (NATEF) with additional Automotive Manufacturers Certification for Formal Dealership Technician Internships. This class covers in-depth brakes, steering and suspension, electrical systems, and engine performance. Participation is mandatory in the Skills-USA national student organization. The class will compete with other schools in state and national contests for scholarships and awards. Students may enter, exit and enter again at any semester break. *Completion of 4 years of Auto may count as the 4th year of high school math to meet the high school graduation requirement.

Theater Technology Intro (19374)

Year

Course level: 9-12

Credit: 1 CTE

Course description: Theatre technology is an active hands-on class. Students are introduced to theatre history, set design and construction, theatre lighting, theatre sound, scenic art, stage management, makeup design and stagehand work. The theatre technology class supports all of the productions in the Fine Arts department. This course includes a requirement of twenty hours of extracurricular work experience in the scene shop or backstage at FWHS Fine Arts performances. A parental safety agreement and student conduct agreement is part of this course.

Theater Technology - Advanced (19380)

Year

Course level: 10-12

Credit: 1 CTE

Prerequisites: Intro to Theater Technology

Course description: In this advanced level class students continue to study theatre history, set design and construction, theatre lighting, theatre sound, scenic art, stage management, makeup design and stagehand work. The theatre technology class supports all of the productions in the Fine Arts department. This course includes a requirement of twenty hours of extracurricular work experience in the scene shop or backstage at FWHS Fine Arts performances. A parental safety agreement and student conduct agreement is part of this course.

Engineering I (16632)

Year

Course level: 10-12

Credit: 1 CTE

Prerequisites: Algebra II or concurrent enrollment

Course description: In this course, students explore the varied roles engineers play in society, discover new career paths and possibilities, and develop a general understanding of the engineering design process. Activities include Bridge design, green energy application, and consumer product development in hands-on, real-world challenges. Students dig deep into the engineering design process, applying math, science, and engineering standards to these hands-on projects. Students work in teams to design solutions to a variety of problems using the engineering design process, an engineering notebook to document their work, and 3-D modeling software and rapid prototyping.

Engineering II (16633)

Year

Course level: 11- 12

Credit: 1 CTE

Prerequisites: Engineering I

Course description: This course mirrors Engineering 102 at the U of A. College credit is a possibility if you are also enrolled in another math class, pre-calculus or higher. We focus heavily on communication skills such as effective presentation techniques and technical writing. Throughout the year we use the engineering design process, physics, math, and hands on building to improve problem solving and critical thinking skills. Over the course of the year we explore problem based modeling by building catapults, trebuchets, CAD and 3D printing, solar ovens, Lego robots, and real world engineering design challenges.

Anatomy and Physiology (12245)

Year

Course level: 11-12

Credit: 1 Science/CTE

Course Description: This course includes topics in advanced human anatomy and physiology, disease analysis and basic medical terminology. Explored topics are medical ignorance, cells and tissues, skeletal system, muscular system, cardiovascular system, respiratory system, reproductive system, nervous system, endocrine system, lymphatic system, digestive system, urinary system, and the integumentary system. Laboratories and dissections are incorporated into the class as well as biology standards.

Biotechnology (12209)

Year

Course level: 10-12

Credit: 1 Science/CTE

Course description: This is a lab course that focuses on laboratory techniques, forensic science, DNA analysis, microbiology, and medical/pharmaceutical sciences. This will be a very lab intensive class, and students will also be expected to design and implement experiments throughout the year.

Advanced Biotechnology (12221)

Year

Course level: 11-12

Credit: 1 Science/CTE

Prerequisites: Biotechnology or AP Biology

Course description: This course is open to students who have completed Biotechnology or AP Biology. The first semester of this course will require students to design and implement their own long term research project. The second semester will be focused on advanced laboratory techniques like cloning, DNA sequencing, and protein analysis.

Work Experience/Internship (22007)

Year

Course level: 12

Credit: 1 CTE

Prerequisites: Any CTE program area or 3 months of continuous employment

Course description: This class will prepare students for the working world by stressing workplace skills. Students must be approved by the teacher after completing required paperwork to participate. Participation requires employment for 3 months, proof of hours worked, and 10 hours minimum per week. Students must check-in with instructor each week. A workplace journal will be kept throughout the year, and a minimum of 125 seat hours must be completed.

Computer Science A (AP)

Year

Course level: 10 – 12

Credit: 1 Math/CTE

Prerequisites: Algebra II, concurrent enrollment is acceptable Post-Alg II CTE Math Option

Course Description: A year-long course that introduces the student to the fundamentals of software development. In AP Computer Science A, the student will learn logical, mathematical, and problem-solving skills needed to design structured, well-documented computer programs that provide solutions to real-world problems. This CTE course is designed to provide the fundamentals of and practical workplace applications for programming methodology, algorithms, data structures, computer systems, and programmer responsibilities. This Advanced Placement course is the first year of the sequence for the program, and may lead to upper-level Computer Science AP classes.

Computer Science AB (AP)

Year

Course level: 11 – 12

Credit: 1 Math/CTE

Prerequisites: Algebra II and Computer Science A (AP) Post-Alg II CTE Math Option

Course description: This year-long course is the second year of the AP Computer Science sequence. In AP Computer Science AB, students will more extensively explore and apply software development, with a deeper focus on program design, algorithms, data structures, and execution costs. All enrolled will be members of a Career & Technical Student Organization, which provides an opportunity to contribute to the community using unique skills, plus travel representing FWHS and JTED in competitions, community projects, or presentations outside of the classroom. This Advanced Placement course may lead to computer science internships. Students who earned a C or better in AP Computer Science A may apply for concurrent internships or work experience credits.

FINE ARTS ELECTIVES

Art - Introduction (19015)

Course level: 9-12

Prerequisites: None

Course description: Students will learn basic art techniques and skills using a variety of different mediums, including graphite, acrylic and watercolor paint, printmaking, sculpture, charcoal and more!

Year

Credit: 1 E/FA

Art- Advanced (19045)

Course level: 10-12

Prerequisites: Introduction to Art

Course description: This course is taught similarly to a basic level college art class. Students will develop their artistic style and voice through conceptual and abstract large-scale artwork using multiple mediums and techniques. In this class, we move beyond lessons of 'how-to' and focus more on the content of the art, developing individual approaches by answering questions of 'what' and 'why' when choosing subject matter. * Approved students may take *Advanced Art up to three times*. *Advanced Art* will offer a different experience each school year for all enrolled students. Students interested in attending art school after high school can develop their art portfolios.

Year

Credit: 1 E/FA

Band Concert (19110)

Course level: 9-12

Prerequisites: Previous band experience or Director's approval

Course description: This band class is designed for wind and percussion students who want to develop musical skills through performances in the marching band and concert band setting. Students will be required to perform at football games/band competitions as a marching band and at festivals and concerts as a concert band. This class requires that students rehearse on Tuesday evenings and at football games from August until November. Band camp is also recommended. School instruments are available for a rental fee.

Year

Credit: 1 E/FA

Beginning Piano (19160)

Course level: 9-12

Prerequisites: None

Course description: In this class students will learn to play electronic keyboards and acoustic pianos. Music reading, finger technique and basic music theory will be taught. Students will be able to perform short piano pieces in group and individual settings.

Year

Credit: 1 E/FA

Band Pom Line (19122)

Course level: 9-12

Prerequisites: Audition only

Course description: This class is for the Flowing Wells Pom Line. Pom Line will work together as a section of the FW Marching Band, performing as dancers and colorguard. Marching band rehearses/performs mostly in the fall semester from August to November at varsity football games, at pep assemblies, and in parades. After school performances and practices are mandatory. Audition for the Pom Line will be in the spring semester for the previous school year. One year of dance is strongly recommended. The registration for this class is \$30. Opportunities to perform in festivals and go on trips may apply.

Year

Credit: 1 E/FA

Wind Ensemble (19140)

Year

Course level: 10-12 Credit: 1 E/FA
Prerequisites: Marching/Concert band, audition and Director's approval
Course description: Wind Ensemble is the most advanced band designed for wind and percussion students performing at the highest level of music proficiency. Students will continue to develop musical skills through performing upper-level wind band literature. Opportunities to perform in solo and/or small ensembles are encouraged. Wind Ensemble will combine with the concert band to form the FWHS Marching Band. Tuesday night rehearsals (Aug.-Nov.), football games, Saturday competitions, and pep assemblies are required. Membership in the class is by audition and Director recommendation.

Jazz Ensemble (19150) Year
Course level: 9-12 Credit: 1 E/FA
Prerequisites: Audition only
Course description: This course will introduce jazz as an American art form. This is an advanced class for students who already know how to play sax, trombone, trumpet, drums, keyboard and/or guitar well. Students will develop their skills in a big band and combo setting.

Orchestra String (19170) Year
Course level: 9-12 Credit: 1 E/FA
Prerequisites: None
Course description: Students will continue to develop their musical skill in a conducted ensemble and have the opportunity to perform in school and community concerts.

Orchestra Chamber (19173) Year
Course level: 9-12 Credit: 1 E/FA
Prerequisites: Audition (1 year String Orchestra recommended)
Course description: This class is for the advanced continuing violin, viola, cello, and string bass students with the highest expectations of all string students. Students will continue to advance their musical skills in conducted and chamber ensembles. Students will have the opportunity to combine with chamber winds performing in school and community concerts.

Intro to Guitar (19174) Year
Course level: 9-12 Credit: 1 E/FA
Prerequisites: None
Course description: This class is for the beginning guitar player interested in learning music from various genres of rock, blues, country, folk, and classical. No previous musical experience is required. Students learn music reading, history, and perform in class and for the community.

Caballero Chorus (19210) Year
Course level: 9-12 Credit: 1 E/FA
Course description: This beginning choral group explores proper vocal production, sight-reading, choral techniques and ensemble skills by singing a wide variety of traditional, multicultural and popular repertoire. Prior experience in choir is not required and registration is open to all. Public performances, competitions, and spring tour are a part

of the year's activities. After-school dress rehearsals and concerts are required events. New singers are welcomed and encouraged to sign up.

Bella Voce (19250)

Year

Course level: 9-12

Credit: 1 E/FA

Prerequisites: Audition only

Course description: This class is an advanced women's chamber choir of 16-30 singers, intended for singers with extensive choral experience, sight-reading skills and voice training. This choir performs a variety of traditional, contemporary, pop and jazz works in concerts throughout the year. After-school dress rehearsals and concerts are required events. *Singers in Bella Voce are required to attend Choir Camp and NAU Jazz/Madrigal Festival.

Concert Choir (19260)

Year

Course level: 9-12

Credit: 1 E/FA

Prerequisites: Audition only

Course description: This intermediate mixed choir is Flowing Wells' largest choral group, intended for singers with some background in choral singing. Sight-reading, ear training and development of advanced musical skills are emphasized. Music is selected from traditional, multicultural and popular repertoire. Public performances, competitions, and spring tour are a part of the year's activities. After-school dress rehearsals and concerts are required events.

Choralaires (19220)

Year

Course level: 9-12

Credit: 1 E/FA

Prerequisites: Audition only

Course description: This is an advanced mixed chamber ensemble of 16-30 singers and is Flowing Wells' top vocal performing group. Advanced literature is offered, with high expectations for sight-singing and ear training. Extensive performances in December and extra-curricular rehearsals throughout the year are also required. *Singers in Choralaires are required to attend Choir Camp, NAU Jazz/Madrigal Festival and audition for Regional Choir.

Theatre 1-2 (19330)

Year

Course level: 9-12

Credit: 1 E/FA

Course description: Theater 1-2 will provide the drama student with a new perspective of basic theatre techniques involving the study of creative dramatics, pantomime, improvisation, scenes, monologues, storytelling, auditioning, playwriting, stage combat and theatre tech. There will be many opportunities for in-class performances, as well as graded public performance in the spring. During the spring semester, students are required to attend after school rehearsals in preparation for the play.

Theatre 3-4 (19366)

Year

Course level: 10-12

Credit: 1E/FA

Prerequisites: Theater 1-2

Course description: This course will emphasize ensemble work, monologue and scene study, playwriting, auditioning and play production. Intermediate drama is a public performance based class. Students are required to attend after school rehearsals and performances throughout the year.

Theatre 5-6 – Caballero Players (19373)

Year

Course level: 11-12

Credit: 1 E/FA

Prerequisites: Theater 3-4, Audition Only

Course description: Theater 5-6 provides the advanced acting student with theatre development and experience at the highest offered level. Improvisation, monologue and scene study, musical theatre, directing and other theatre techniques are taught with a high expectation level. Students will produce, direct and act in numerous public performances per school year. Students will attend and compete at the Arizona State Thespian Festival and Southern Arizona Acting Festival. Students are expected to attend all required after school events.

Partner Dance (19315)

Year

Course level: 9-12

Credit: 1 E/FA

Prerequisites: Audition or dance teacher recommendation

Course description: Men and women will learn dance steps in the following dance styles but not limited to: salsa, swing, ballroom and contemporary dance. Students will also learn lifting techniques. Cardio workouts and conditioning exercises along with traditional dance technique are important training components of the class. Admittance into Partner dance is by audition only. The audition is held at the end of the spring semester for the following school year. The registration fee for this course is \$30 and the costume fee for the school year is \$100.

Beginning Dance 1-2 (19310)

Year

Course level: 9-12

Credit: 1 E/ FA

Course description: This course provides exploration of all dance styles including but not limited to ballet, jazz, modern, tap, and hip hop. Beginning dance technique, conditioning, stretching, choreography, positive self-awareness, and performances are required throughout the year. This class has a \$30 course fee. Additional fund raising opportunities will be offered to help pay for additional costume requirements.

Dance Intermediate (19318)

Year

Course level: 10-12

Credit: 1 E/ FA

Prerequisites: Beginning Theater Dance, audition, or teacher recommendation

Course description: This course provides an intermediate dance experience in all dance styles including but not limited to the areas of ballet, jazz, and hip-hop. Dance techniques, choreography, positive self-awareness, and performances are required. This class has a \$30 course fee. Additional fund raising opportunities will be offered to help pay for additional costume requirements.

Advanced Dance (19323)

Year

Course level: 10-12

Credit: 1 E/ FA

Prerequisites: Beginning Theater Dance, audition, or teacher recommendation

Course description: This course provides an advanced dance experience in all dance styles including but not limited to the areas of ballet, jazz, and hip-hop. Dance techniques, choreography, positive self-awareness, and performances are required. This class has a \$30 course fee. Additional fund raising opportunities will be offered to help pay for additional costume requirements.

Momentum Dance Company (19325)

Year

Course level: 9-12

Credit: 1 E/ FA

Prerequisites: Audition

Course description: Momentum Dance Company is a non-competitive performance ensemble. This course is based on all forms of dance – jazz, modern, ballet, hip-hop, tap and musical theater. The company learns multiple pieces each semester to be performed at concerts in and out of school. These performances in and out of school are highly stressed and mandatory for all company members. Momentum Dance Company takes one trip in the spring as a team to explore options for careers in dance. Admittance into Momentum Dance Company is by audition only. This audition is held in the spring semester for the following school year. The registration fee for this course is \$30 and the costume fee is discussed at the start of the school year.

Pulse Dance Company (19327)

Year

Course level: 9-12

Credit: 1 E/FA

Prerequisites: Audition

Course Description: This course concentrates on all forms of jazz, (including lyrical and contemporary). This class will also explore all forms of hip-hop. Performances and competitions in and out of school are required. This class attends a summer dance workshop, dance Nationals in Florida, and other dance workshops throughout the year. Fundraising and after school practices are also required. The registration fee for this course is \$30 and the costume fee is discussed at the start of the school year.

Film History 1-2 (19180)

Year

Course level: 9-12

Credit: 1 E/FA

Prerequisites: None

Course description: This non-performance class offers students the opportunity to trace the history of the movies. Students will view many critically acclaimed films, study their importance, look at the production and direction staffs, special effects, and the actors involved. Films of different genre, as well as time periods, will be presented and students will look at the significance of society on the production of a movie as well as the film's influence on society. Students will learn what makes a "good" film, and the "how-to" of filmmaking will be examined.

PHYSICAL EDUCATION ELECTIVES

Walking 101 (17166)

Year

Course level: 9-12

Credit: 1E

Prerequisites: None

Course description: Do you *dislike* running? If you answered "yes" but still want to get or keep in shape, Walking 101 is the class for you. We will be walking on a daily basis. We will take time, usually part of a block day, or a day when there is inclement (bad) weather, to work on our core muscles. Many days you will be allowed to listen to your own music while walking (on campus only for safety reasons). You will never have to run in this class.

Basketball/Volleyball (17150)

Year

Course level: 9-12

Credit: 1 E

Prerequisites: None

Course description: Basketball/volleyball is an enjoyable activity class with an emphasis on individual skill and team play development. Fundamental as well as more advanced skills will be taught in both activities.

Weight Training (17140)

Year

Course level: 9-12

Credit: 1 E

Prerequisites: None

Course description: This is an activity course designed to develop strength, flexibility, agility, power, and quickness. Weight training will give each student an understanding of how resistance training and exercise programs will affect physical development.

Health (17300)

Sem.

Course level: 10

Credit: 1/2

Prerequisites: None

Course description: This course emphasizes a wellness approach toward good health. Students are introduced to a variety of health-related issues. Students are encouraged to take an active role in enhancing and preserving their personal health. This course is designed as the companion course for students enrolled in Fitness, Wellness and Applied Health. CPR training is provided and required to complete this course.

Ultimate P.E. (17170)

Year

Course level: 9-12

Credit: 1

Prerequisites: None

Course description: This class is for the student who wants to try something different and have some fun learning. Some of the unique physical activities for this class include: ultimate Frisbee, Frisbee golf, floor hockey, soccer, flag football, repelling/rock wall, team handball, speed-a-way, and scooter ball.

Fitness, Wellness and Applied Health (17310)

Sem

Course level: 10

Credit: 1/2

Prerequisites: None

Course description: This course is designed as a companion course for sophomores enrolled in health. Students will engage in activities that are fun, intriguing and help improve life-long health, wellness and fitness through leisure activities that include the use of the Wii or Kinect games and a variety of other activities including web-based lessons. A unit in driver's education will also be incorporated in this class. Students will not be required to wear a FW PE uniform during the semester.

Sports Conditioning 1-2 (17175)

Year

Course level: 9

Credit: 1

Prerequisites: *Projected* Student athlete (Fall, Winter and/or Spring sport)

Course description: This course will provide an opportunity for freshman student-athletes to enhance and supplement their physical (strength, cardio-vascular endurance, flexibility, and agility) and mental (game-strategy/sportsmanship) preparation in coordination with their extra-curricular athletic competition. Freshman student-athletes are strongly recommended to take this course.

Sports Conditioning 3-4 (17180)

Year

Course level: 10-12

Credit: 1

Prerequisites: *Projected* Student athlete (Fall, Winter and/or Spring sport)

Course description: This course will provide an opportunity for student-athletes to enhance and supplement their physical (strength, cardio-vascular endurance, flexibility, and agility) and mental (game-strategy/sportsmanship) preparation in coordination with their extra-curricular athletic competition. Athletes are strongly recommended to take this course.

Additional Electives

European History - AP (13200)

Course level: 10-12

Course description: This accelerated elective course provides students with the analytical skills and factual knowledge necessary to understand some of the principal themes in modern European history and to analyze historical evidence and historical interpretation. The course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in an essay format.

Year

Credit: 1

Army JROTC 1-2, 3-4, 5-6, 7-8, Adv. Training (13710, 13720, 13730, 13740)

Course level: 9-12

Prerequisites: None

Course description: In JROTC, students are introduced to non-combative military skills and character building philosophies/activities centered on leadership and physical training which are useful in both civilian and military communities. Cadets earn positions of responsibility in the unit and older cadets are involved in planning, organizing, and implementing projects for the group. The goal of JROTC is to motivate young people to be better citizens. Cadets are involved in multiple community service learning events. Monthly field trips, a five day training exercise at Fort Huachuca, on-campus rappelling, rock climbing, rifle marksmanship, and obstacle courses are examples of the activities offered with these courses. Varsity athletic teams include Exhibition Drill, Color Guard, Rifle Marksmanship, and the physical fitness team (Raiders). JROTC is an approved military academy nominating agency.

Year

Credit: 1 E

Student Government (13900)

Course level: 9-12

Prerequisites: Election

Course description: Family, school spirit, leadership, fun, and adventure are just a few things you can be a part of in student council (STUCO). Elected members plan, organize, and implement activities to bring the school together. Students work with administration, coaches, and staff to establish a positive community in which students can excel and have fun. STUCO plans and leads such activities as Homecoming, Winter Ball, and pep assemblies. See the STUCO advisor for more details to become a part of the family.

Year

Credit: 1 E

Student Aide 1-2 (21000)

Course level: 11-12 Only

Prerequisites: Must have 3.0 GPA, teacher/counselor recommendation

Course description: Students assist teachers and office personnel with duties as assigned. Permission of the instructor is required. Students may be an aide for a maximum of two semesters. Class is Pass/Fail only.

Sem/Year

Credit: 1/2 - 1 E

Cadet Teaching (20700)

Course level: 10-12

Prerequisites: Approval by the teacher and must have a 3.0 GPA

Year

Credit: 1 E

Course description: This course is intended for students interested in peer tutoring and/or exploring the teaching profession as a career. Students will learn basic concepts of teaching while working with a variety of students with special needs. Cadet teachers will be a peer tutor for students in the independent Life Skills class as well as other classes. Students may be an aide for a maximum of two semesters.

Yearbook (10050)

Year

Course level: 9-12

Credit: 1 E

Prerequisites: Advisor approval, English teacher recommendation, Student application

Course description: In this time-intensive class, students will utilize skills in interviewing, writing, editing, and graphic design as they produce the next high school yearbook.

Psychology 1 (13371)

1 Sem

Course level: 10-12

Credit: 1/2

Prerequisites: None

Soc. St. Elective Option

Course description: Learn about why people do what they do, feel what they feel, and think what they think. During this class students will learn about normal personality, abnormal functioning and possible solutions to life's problems.

AP Psychology (13373)

Year

Course level: 10-12

Credit: 1

Prerequisites: Psychology 1 is recommended.

Soc. St. Elective Option

Course description: This two semester course will prepare students for the advanced placement psychology exam for possible college credit. Topic covered include: foundation of psychology, research methods, theories of personality, biological bases of behavior, abnormal behavior, therapy and treatment, and social psychology.

Work Experience (30023)

1 Sem/Year

Course level: 11 –12

Credit: 1/2 E for 5 to 14 hours per week per semester

1 E for 15 hours or more of work per week.

Prerequisites: Special Education placement and Service Coordinator recommendation.

Course description: Work experience is an employment class designed to provide students with the opportunity to develop job skills and attitudes that best prepare for successful employment and that meet the needs of the community employers. Regular meetings with the teacher and completed work related assignments are required. A maximum of two credits may be applied toward graduation. A minimum of 125 hours of seat time is required.

Contact Information

WEBSITES:

High school: <http://www.fwhs.flowingwellsschools.org>

**All staff phone numbers and e-mail addresses are on the “The Cab Way” tab.*

PHONE NUMBERS:

Administration Office:

696-8001 or 696-8002

Attendance:

696-8024

Health Office:

696-8036

Registrar:

696-8040

Discipline Office:

696-8004

Athletics:

696-8019

Counseling Office:

696-8033