

# NAVARRO HIGH SCHOOL

## 2021-2022 COURSE CATALOG



THE PATH TO YOUR FUTURE BEGINS HERE

# Navarro ISD High School Course Catalog

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# Navarro ISD: Where Excellence is the Standard

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**Navarro ISD does not discriminate on basis of race, color, national origin, sex, handicap, or age in its programs, services or activities.**

**Navarro ISD no discriminarpor motives de raza, color, origen nacional, sexo o impedimento en sus programas, servicios o actividades.**

## Foundation Graduation Program

The foundation program establishes a 22 credit foundation for graduation with five different endorsement areas that students may pursue. An endorsement adds 4 credit requirements to the student’s program of study, bringing the required number of credits for graduation to 26 (the same number of credits required in the recommended graduation program). Each student entering high school under the foundation program or switching to the foundation program from the recommended program must select at least one endorsement area to pursue over the course of the high school career.

The Endorsements will be described in greater detail on the following pages. They are as follows:

- STEM (Science, Technology, Engineering, and Mathematics)
- Business and Industry
- Public Service
- Arts and Humanities
- Multidisciplinary Studies

Students may also earn **Distinguished Achievement** recognition under the Foundation Graduation Plan. Under the Foundation Graduation Plan, students entering high school during or after 2014 must earn Distinguished Achievement in order to place in the top 10% in the graduation class. Distinguished achievement is earned by completing the following:

- Complete the Foundation Graduation Program
- Complete four credits of mathematics that include Algebra II
- Complete four credits of science
- Complete the curriculum requirements for at least one endorsement

<h3>Graduation Requirements under the Foundation Program with an Endorsement</h3>
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**For freshman entering during or after 2014 as well as any current student who chooses, the program requires:**

English.....	4 credits
<i>This must include English I, English II, and English III.</i>	
Mathematics .....	4 credits
<i>This must include Algebra I and Geometry. Algebra 2 is required to graduate with Distinguished Achievement.</i>	
Science.....	4 credits
<i>This must include Biology.</i>	
Social Studies .....	2½ credits
<i>This must include U.S. History and U.S. Government.</i>	
Economics .....	½ credit
Languages other than English.....	2 credits
Physical Education .....	1 credit
Fine Arts.....	1 credit
Electives .....	<u>7 credits</u>

\*Meet the graduation requirements for at least one endorsement option (See pages 6-10).

**Total of 26 credits**

## **Performance Acknowledgements**

A student can earn multiple performance acknowledgements under the new Foundation Graduation Plan if the student demonstrates outstanding performance in:

- Dual Credit Courses
- Bilingualism and Biliteracy
- AP or IB Exam results
- PSAT, ACT or SAT test results
- Earning one or more nationally or internationally recognized business or industry certifications or licenses

### ***Dual Credit***

A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance in a dual credit course by either:

- (1) Successfully completing at least 12 hours of college academic courses, including those taken for dual credit as part of the Texas core curriculum, and advanced technical credit courses, including locally articulated courses, with a grade of the equivalent of 3.0 or higher on a scale of 4.0.
- (2) Earning an associate degree while in high school.

### ***Bilingualism and Biliteracy***

A student may earn a performance acknowledgment in bilingualism and biliteracy by demonstrating proficiency in accordance with local school district grading policy in two or more languages by:

- (1) completing all English language arts requirements and maintaining a minimum grade point average of the equivalent of 80 on a scale of 100; and
- (2) satisfying one of the following:
  - completion of a minimum of three credits in the same language in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
  - demonstrated proficiency in the Texas Essential Knowledge and Skills for Level IV or higher in a language other than English with a minimum GPA of the equivalent of 80 on a scale of 100; or
  - completion of at least three credits in foundation subject area courses in a language other than English with a minimum GPA of 80 on a scale of 100; or
  - demonstrated proficiency in one or more languages other than English through one of the following methods:
    - a score of 3 or higher on a College Board AP exam for a language other than English; or
    - a score of 4 or higher on an IB exam for a higher-level languages other than English; or
    - performance on a national assessment of language proficiency in a language other than English of at least Intermediate High or its equivalent.

In addition to meeting the requirements to earn a performance acknowledgment in bilingualism and biliteracy, an English language learner must also have:

- (A) participated in and met the exit criteria for a bilingual or English as a second language (ESL) program; and
- (B) scored at the Advanced High level on the Texas English Language Proficiency Assessment System (TELPAS).

### ***AP or IB Exam Results***

A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance on a College Board advanced placement test or International Baccalaureate examination by earning:

- (1) a score of 3 or above on a College Board advanced placement examination
- (2) a score of 4 or above on an International Baccalaureate examination

### ***Outstanding PSAT, ACT, or SAT Test Results***

A student may earn a performance acknowledgment on the student's diploma and transcript for outstanding performance on the PSAT®, the ACT-PLAN®, the SAT®, or the ACT® by:

- (1) earning a score on the Preliminary SAT/National Merit Scholarship Qualifying Test (PSAT/NMSQT®) that qualifies the student for recognition as a commended scholar or higher by the College Board and National Merit Scholarship Corporation, as part of the National Hispanic Recognition Program (NHRP) of the College Board or as part of the National Achievement Scholarship Program of the National Merit Scholarship Corporation
- (2) achieving the college readiness benchmark score on at least two of the four subject tests on the ACT-PLAN® examination
- (3) earning a combined critical reading and mathematics score of at least 1250 on the SAT®; or
- (4) earning a composite score on the ACT® examination of 28 (excluding the writing sub score)

### ***Nationally or Internationally Recognized Business or Industry Certificates or Licenses***

A student may earn a performance acknowledgment on the student's diploma and transcript for earning a nationally or internationally recognized business or industry certification or license with:

- (1) performance on an examination or series of examinations sufficient to obtain a nationally or internationally recognized business or industry certification or
- (2) performance on an examination sufficient to obtain a government required credential to practice a profession.

Nationally or internationally recognized business or industry certification shall be defined as an industry validated credential that complies with knowledge and skills standards promulgated by a nationally or internationally recognized business, industry, professional, or government entity representing a particular profession or occupation that is issued by or endorsed by:

- a national or international business, industry, or professional organization
- a state agency or other government entity or
- a state-based industry association.

Certifications or licensures for performance acknowledgements shall:

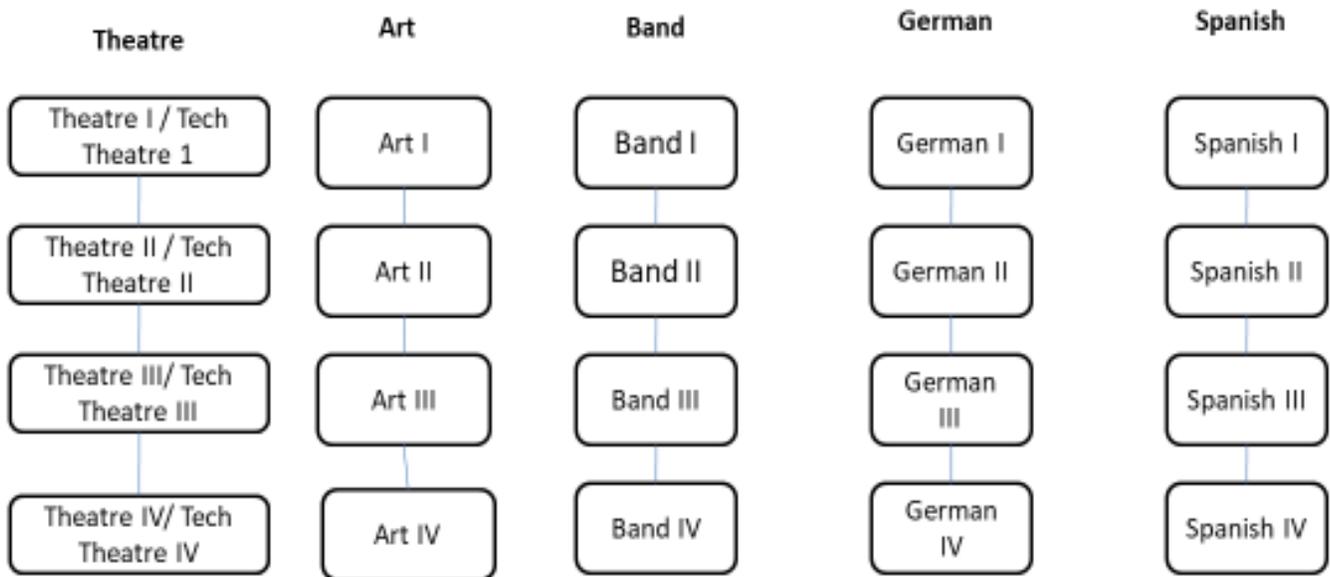
- be age appropriate for high school students,
- represent a student's substantial course of study and/or end-of-program knowledge and skills,
- include an industry recognized examination or series of examinations, an industry validated skill test, or demonstrated proficiency through documented, supervised field experience and
- represent substantial knowledge and multiple skills needed for successful entry into a high-skill occupation.

## Endorsement Opportunities Available at Navarro High School

The following charts show the different endorsements students may earn at Navarro High School. Students must specify in writing an endorsement they intend to earn upon entering the 9<sup>th</sup> grade. Students will have the option to switch their chosen area of endorsement or even earn multiple endorsements based on their course selections during the four years of each student's high school career.

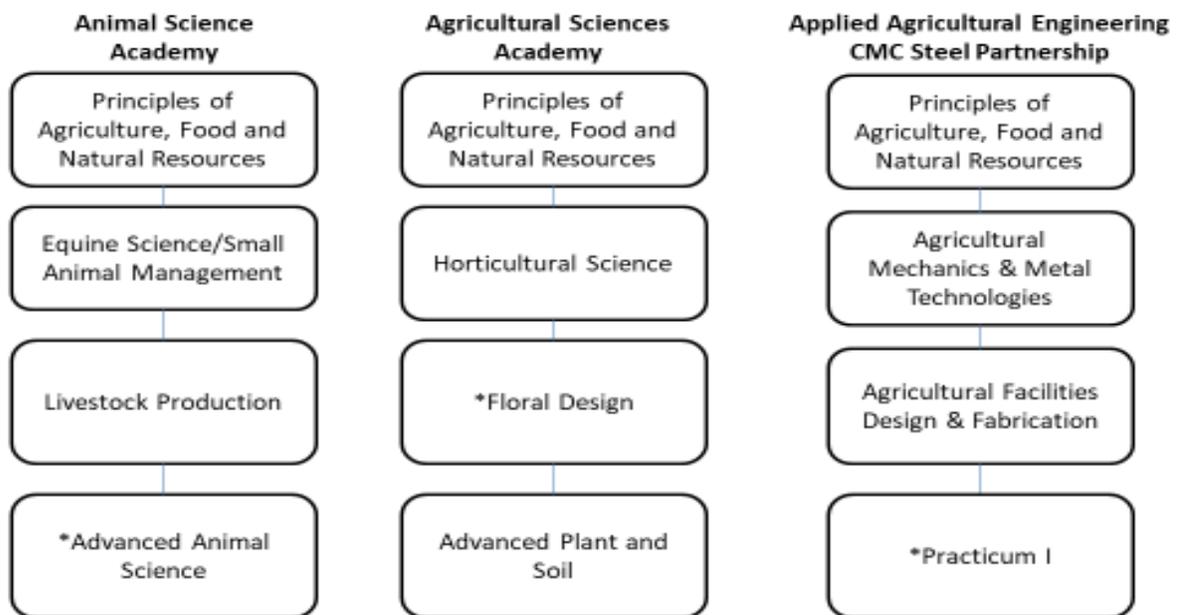
### Navarro ISD Arts & Humanities Endorsement

**Two years in any fine arts strand may be mixed with two years from another strand to form a coherent sequence.  
(Spanish and German Excluded)**



**26 Credits Required**

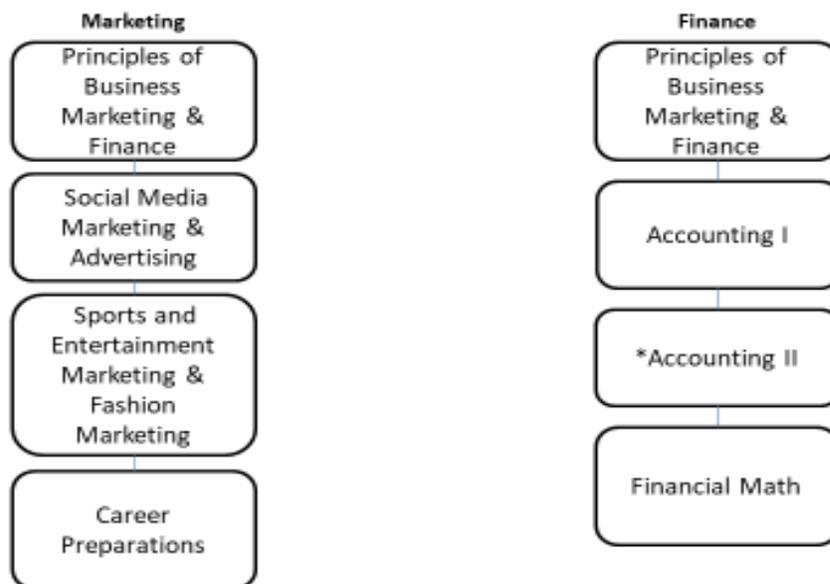
**Navarro ISD Business & Industry Endorsement  
Emphasis on Agriculture, Food and Natural Resources**



Asterisk indicates certification opportunity.

**26 Credits Required**

**Navarro ISD Business & Industry Endorsement  
Emphasis on Finance and Entrepreneurship**

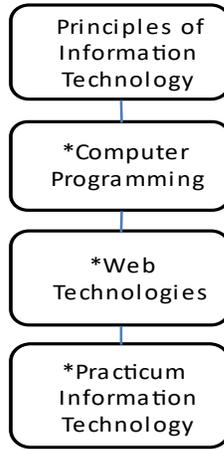


Asterisk indicates certification opportunity.

**26 Credits Required**

**Navarro ISD Business & Industry Endorsement  
Emphasis on Information Technology**

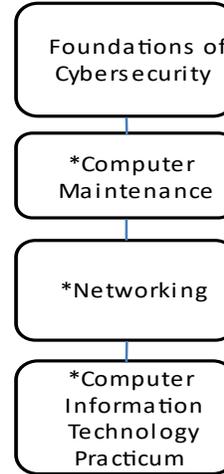
**Information Technology Academy**



Asterisk indicates certification opportunity.

**Navarro ISD Science, Technology, Engineering & Mathematics (STEM) Endorsement Emphasis on Technology**

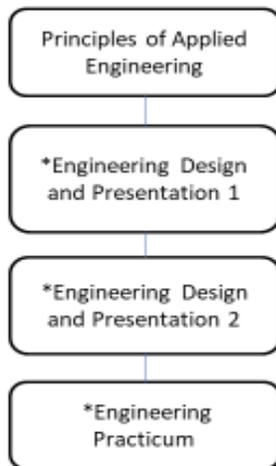
**The Cybersecurity Academy**



**26 Credits Required**

**Navarro ISD Science, Technology, Engineering & Mathematics (STEM) Endorsement  
Emphasis on Engineering**

**Engineering Academy**



Asterisk indicates certification opportunity.

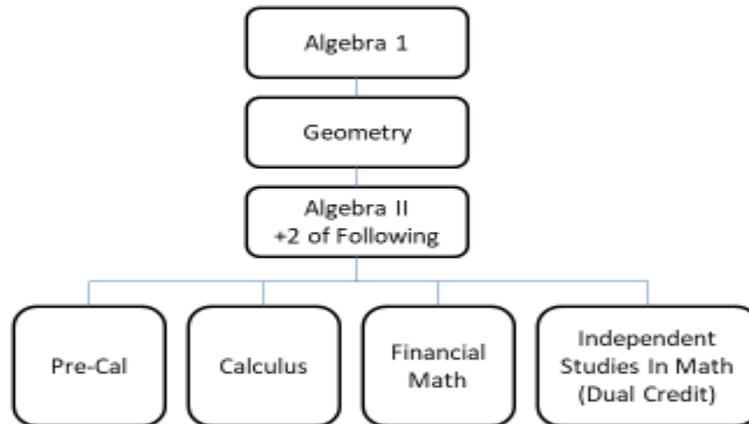
**Navarro ISD Public Service Endorsement**

**Health Sciences Academy**



**26 Credits Required**

**Navarro ISD Science, Technology, Engineering & Mathematics (STEM) Endorsement  
Emphasis on Mathematics**

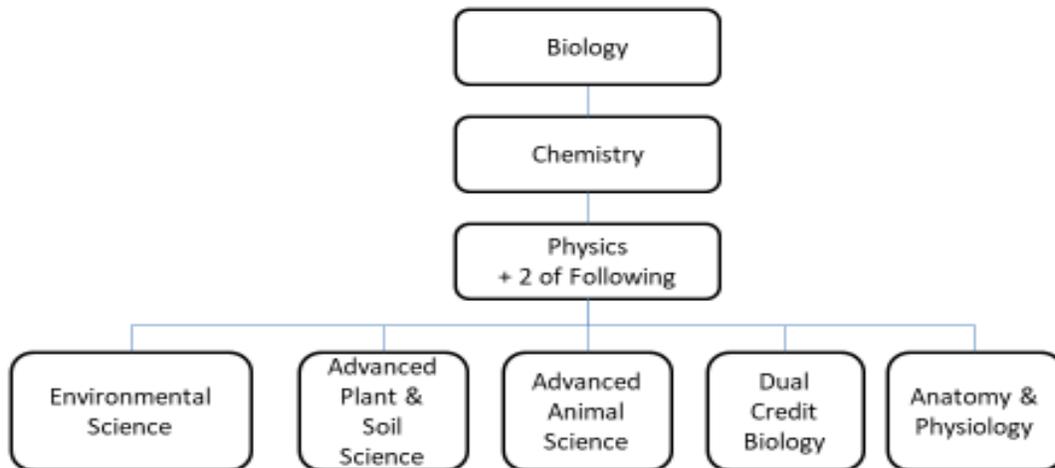


\* Some courses may be taken concurrently\*

Chemistry and Physics must be taken as sciences to earn this endorsement.

**26 Credits Required**

**Navarro ISD Science, Technology, Engineering & Mathematics (STEM) Endorsement  
Emphasis on Science**



\* Some courses may be taken concurrently\*

Algebra 2 must be taken as a math class to earn this endorsement.

**26 Credits Required**

English	Required STAAR Test Score	Prerequisite or Preceding Course Grade without a grade multiplier	Other Testing Requirement
English 1 Honors	Masters- 8th grade reading STAAR	90% or above per semester or 80% or above per semester in an advanced section.	- or - 22 or 24 MAPS on Track College Ready Score if one semester falls below
English 2 Honors	4400 or above - English 1 EOC	90% or above per semester or 80% or above per semester in an advanced section.	- or - 22 or 24 MAPS on Track College Ready Score if one semester falls below
English 3 AP	4400 or above - English 2 EOC	90% or above per semester or 80% or above per semester in an advanced section.	-and- TSI Reading - 351 TSI Writing - 363/4 Essay or TSI Writing 350/5 Essay
English 4 AP	N/A	90% or above per semester or 80% or above per semester in an advanced section.	-and- TSI Reading - 351 TSI Writing - 363/4 Essay or TSI Writing 350/5 Essay
English 4 Dual Credit	N/A	N/A	TSI Reading - 351 TSI Writing - 350/4 Essay

Mathematics	Required STAAR Test Score	Prerequisite or Preceding Course Grade without a grade multiplier	Other Testing Requirement
Geometry Honors	4400 or above - Algebra 1 EOC	90% or above per semester or 80% or above per semester in an advanced section.	- or - 22 or 24 MAPS on Track College Ready Score if one semester falls below
Algebra 2 Honors	N/A	90% or above per semester or 80% or above per semester in an advanced section.	-and- TSI Math - 350
Pre-Calculus Honors	N/A	90% or above per semester or 80% or above per semester in an advanced section.	-and- TSI Math - 350

<b>Mathematics</b>	<b>Required STAAR Test Score</b>	<b>Prerequisite or Preceding Course Grade without a grade multiplier</b>	<b>Other Testing Requirement</b>
College Algebra Dual Credit	N/A	N/A	TSI Reading - 351 TSI Writing - 350/4 Essay TSI Math - 350
Calculus AP	N/A	90% or above per semester or 80% or above per semester in an advanced section. -and-	TSI Math - 350

<b>Science and Social Studies</b>	<b>Required STAAR Test Score</b>	<b>Prerequisite or Preceding Course Grade without a grade multiplier</b>	<b>Other Testing Requirement</b>
Biology Honors	Master 8th grade Science, Math and ELAR STAAR Scores	90% or above per semester or 80% or above per semester in an honors section.	N/A
Chemistry Honors	Algebra I EOC 4400	90% or above per semester or 80% or above per semester in an honors section.	N/A
Physics Honors	N/A	90% or above per semester or 80% or above per semester in an honors section. -and-	TSI Reading - 351 TSI Writing - 350/4 Essay TSI Math - 350
Biology Dual Credit	N/A	90% or above per semester or 80% or above per semester in an honors section. -and-	TSI Reading - 351 TSI Writing - 350/4 Essay TSI Math - 343
U.S. History Dual Credit	N/A	N/A	TSI Reading - 351 TSI Writing - 350/4 Essay

Foreign Language and Art	Required STAAR Test Score	Prerequisite or Preceding Course Grade without a grade multiplier	Other Testing Requirement
Spanish 3 Honors	N/A	90% or above per semester or 80% or above per semester in an advanced section.	N/A
Spanish 4 AP	N/A	90% or above per semester or 80% or above per semester in an advanced section.	N/A
German 3 Honors	N/A	90% or above per semester or 80% or above per semester in an advanced section.	N/A
German 4 AP	N/A	90% or above per semester or 80% or above per semester in an advanced section.	N/A
ART 4 AP	N/A	90% or above per semester or 80% or above per semester in an advanced section.	N/A

# GENERAL

# INFORMATION

## Grade Level Classifications

Classifications are based on the number of credits a student has earned at the beginning of each school year. The amount of credits required in order to earn each grade level classification are:

Freshman	0 credits
Sophomore	6 credits
Junior	12credits
Senior	18 credits

## Class Rank

Senior class ranking for determining academic honors is calculated at the end of the 5<sup>th</sup> six weeks. A final class ranking will be available after graduation. Ranking requested at other times for various purposes will be based on the most current calculation.

Each semester will be calculated separately in determining weighted rank points, and only numerical grades will be used. The following numerical values will be assigned for letter grades transferred from another school:

A+=98	B+=88	C+=79	D+=74
A =95	B =85	C =77	D =72
A- =91	B- =81	C- =75	D- =70
F = 69			

Seniors graduating at the end of the first semester will have numerical grades through the end of the semester to determine ranking for academic honors.

## Honors and Advanced Placement

See the charts on pages 12 through 14 for acceptance criteria for all advanced academic course including Honors, AP, and Dual Credit.

Honors Courses – Honors courses include content and activities designed to prepare students for EOC exams and success in college-level and Advanced Placement courses. Depth of material requires students to study extensively in and out of class.

Advanced Placement (AP) Courses – AP courses are developed by the College Board and are designed to provide college level studies for high school students using college level materials and strategies. Amount and depth of material requires students to read outside of class and requires students to develop advanced reasoning and problem-solving skills.

Honors and AP Grading Policies – Student performance is evaluated on rigorous standards appropriate for the grade and content of the course. Courses are weighted for determining GPA and class rank; however, actual grades earned will appear on all report cards and transcripts. If the course is dropped within a semester, the un-weighted grade will be transferred to the new class.

AP Examinations – Students successfully completing an AP course are required to take the corresponding AP examination. Students with proven financial need (as evidenced through the free or reduced lunch program) are eligible for a fee reduction. If a student does not take the AP exam, weighted credit for the course will not be awarded.

## Gifted and Talented Program

At Navarro High School, the needs of students who have been identified as Gifted and Talented are met through participation in Honors, Dual Credit and Advanced Placement courses.

High school Gifted and Talented students at each grade level meet once a month during tutorials giving them the opportunity to work together.

## 8<sup>th</sup> Grade Algebra I

Algebra I taken as an 8<sup>th</sup> grader is not considered an advanced class but is considered an accelerated class. As such, students taking Algebra I as an 8<sup>th</sup> grader and thus the Algebra I EOC as an 8<sup>th</sup> grader are required to take either the ACT or SAT as a high school student.

## Grade Weighting for Advanced Classes

Navarro ISD district policy (EIC Local) provides for grade weighting for advanced classes. All weights listed are values present in school board policy at the time of this document's publication. These values are subject to change through Navarro ISD school board action.

The District shall assign weights to semester grades and shall calculate a weighted numerical grade average in accordance with the following scale:

Category	Weight
AP*	multiplied by 1.10
On Campus Dual Credit**	multiplied by 1.10
Certificate Earning CTE	multiplied by 1.10
Honors/Pre-AP	multiplied by 1.10
Regular	multiplied by 1.00

\*Only with the completion of AP exam; without AP exam, course shall be multiplied by 1.00.

\*\* Online dual credit courses and dual credit courses taken at CTTC do not count for overall grade point average calculations per district policy (EIA Local).

The District shall record unweighted numerical grades on student transcripts. Weighted grades are used only in the grade point average calculation.

## FAFSA Graduation Requirement

Beginning with students enrolled in **12th grade** during the **2021-2022 school year**, each student must do one of the following in order to graduate:

- Complete and submit a Free Application for Federal Student Aid (FAFSA)
- Complete and submit a Texas Application for State Financial Aid (TASFA)
- Submit a signed opt-out form

## Early Graduation

Students who anticipate completing high school in fewer than four years must meet with the counselor at the start of the spring semester in the year prior to the year of early graduation. Parent permission is required. Students graduating early may participate in graduation ceremonies only if all graduation requirements are completed prior to the graduation ceremony. Students who graduate early and wish to participate in graduation exercises will be required to abide by the same school rules and regulations as other students.

## Graduation Ceremony Participation

The following guidelines will be used for fourth/fifth year students to be able to participate in the graduation ceremony:

1. Students must have completed **ALL** credit requirements and passed **EACH** required STAAR End of Course Test.
2. Students may not have any pending disciplinary action.
3. Students may participate in only one graduation ceremony.
4. For the graduation ceremony, students may wear only the academically pertinent student recognitions, such as cords and pins, approved by the administration.
5. Participating students **MUST** attend the graduation practice in order to participate in the ceremony.

At the graduation ceremony, Navarro ISD recognizes the valedictorian and salutatorian, honor graduates whose weighted numerical grade averages comprise the top ten percent of the students in the graduating class, and additional local graduation honors which include the following:

Cum Laude	weighted grade average greater or equal to 92.0
Magna Cum Laude	weighted grade average greater or equal to 94.0
Summa Cum Laude	weighted grade average greater or equal to 97.0

## **Alternatives for Earning Course Credit**

### **Credit Recovery**

Navarro High School provides the opportunity to gain credits for some courses previously failed through computer-assisted instruction (APEX). Students should contact the school counselor for more information about the credit recovery program. If a student fails both semesters of a course, the student may be required to retake the full course. Full details regarding credit recovery can be found in the student handbook.

### **Summer School**

The summer courses offered at Navarro High School are for credit recovery purposes only through our computer-assisted instruction program. Navarro does not offer courses for advancement in the summer. There will be a fee of \$25 for each one semester section a student attempts in summer credit recovery. Students may attend an accredited summer school with a school other than Navarro High School and should consult with the academic dean or counselor before enrolling. Summer school work can be used for the purpose of making up work that has been failed during the regular term, giving the student an opportunity to take courses that cannot be taken during the regular term because of scheduling conflicts, or obtaining credits for acceleration purposes.

### **Correspondence Courses and Distance Learning**

Prior approval of the counselor or a campus administrator must be obtained for enrollment in a correspondence course or an online course from another school district. Only online and correspondence courses from accredited schools are acceptable. Seniors should complete their work and submit the grade for recording at least two weeks prior to graduation in order to be eligible for graduation at the end of the term.

### **Credit by Examination with Prior Instruction**

A student must have had prior formal instruction in a semester course to be eligible to gain credit by examination. A score of 70 or above is required on the exam. Credit by exam may be attempted only two times for the same course.

### **Credit by Examination for Acceleration**

Students may take exams for courses in which no prior instruction has been received. A score of 80 must be achieved. Credit by examination for acceleration may be attempted a maximum of two times in each course. Students should contact the counselor for registration information.

### **Credit by Examination Testing Calendar**

Summer Registration Deadline: May 28, 2021

Summer Testing Dates: On or before June 25, 2021

**\*Note: Students seeking to skip over a course (Example: To go from Spanish 1 directly to Spanish 3) would need to test before the start of the fall semester. Fall testing results cannot be used to change a student's fall course schedule.**

## **Collegiate Credit through Concurrent Enrollment**

Concurrent enrollment courses are college courses students can take for college credit while enrolled in high school; however, the credit is not applied to high school graduation requirements.

For information regarding specific online and concurrent enrollment courses, contact the school counselor or academic dean.

# Dual Credit Courses

Dual credit affords students the opportunity to take courses which simultaneously earn high school and college credits. Students are taught and graded in the same way as college students who take the same course. These are college courses which also meet the state curriculum requirements for specific high school courses allowing the student to satisfy high school graduation credit requirements at the same time they are earning college credits. Students will receive college credit immediately after graduation, and most courses will transfer to any public Texas college or university if the student earns a 'C' or better. Navarro High School pays all tuition fees for our dual credit offerings.

Navarro High School offers core curricular dual credit courses. These courses are offered in the areas of English, science, social studies and math as well as a select group of college level humanities electives. These offerings are intended to give a student the opportunity to complete some courses generally termed as "The Basics" for college. Whether a college accepts these classes to satisfy a core area requirement or accepts them as an elective is the decision of the college. Core curricular dual credit courses are offered as both online courses and regular classroom courses taught by college adjunct faculty on staff here at Navarro High School.

Courses taught in the regular classroom will incur no fees, and Navarro High School will provide the textbooks. **Courses taught online may incur instructional fees and textbook fees that will be the responsibility of the student.**

All dual credit courses carry a \$100 tuition charge that the district pays. However, if a student drops an online course after the Census Date for the college, the student will be responsible for the \$100 tuition charge. Students dropping courses before Census Date (Generally the first two weeks of a course) will not be charged. This only applies to dropping online courses. Any questions regarding dropping a dual credit course need to be directed to the College Academic Dean.

The College and Career Counselor and the Academic Dean will assist students with enrollment and required TSIA2 testing for either of these dual credit routes. The Texas Success Initiative Assessment 2 (TSIA2) test is required by the state for all dual credit students. Students are tested in the areas of reading, writing and math to determine the college readiness levels of their skills in these areas. Passing standards are established by the colleges. The tests are administered on campus and at no charge to our students.

# COLLEGE/CAREER INFORMATION

## College and Career Websites

Through their Success 101 classes as entering 9<sup>th</sup> grade students, students establish a personal account where they create 4-year plans, compose resume, and store a college and career planning portfolio. In addition to the explorations from that class, here are other helpful websites for college and career planning.

### College Information and Profiles

[www.collegeboard.com](http://www.collegeboard.com)  
[www.collegeview.com](http://www.collegeview.com)  
[www.collegeexpress.com](http://www.collegeexpress.com)  
[www.adventuresineducation.com](http://www.adventuresineducation.com)  
[www.fastweb.com](http://www.fastweb.com)  
[www.gocollege.com](http://www.gocollege.com)  
[www.nces.ed.gov/ipeds/cool](http://www.nces.ed.gov/ipeds/cool)  
[www.petersons.com](http://www.petersons.com)  
[www.princetonreview.com](http://www.princetonreview.com)  
[www.supercollege.com](http://www.supercollege.com)  
[www.collegefortexans.com](http://www.collegefortexans.com)  
[www.wiredscholar.com](http://www.wiredscholar.com)

### Texas Colleges & Universities

[www.window.state.tx.us](http://www.window.state.tx.us)

### SAT/ACT Preparation

[www.act.org](http://www.act.org)  
[www.collegeboard.com](http://www.collegeboard.com)  
[www.ets.org](http://www.ets.org)  
[www.kaptest.com](http://www.kaptest.com)  
[www.number2.com](http://www.number2.com)  
[www.princetonreview.com](http://www.princetonreview.com)  
[www.testprep.com](http://www.testprep.com)  
<https://www.khanacademy.org/test-prep/sat>

### Essay Tips

[www.supercollege.com](http://www.supercollege.com)  
[www.myessay.com](http://www.myessay.com)

### Scholarship Search

[www.college.net](http://www.college.net)  
[www.collegenet.com](http://www.collegenet.com)  
[www.college-scholarships.com](http://www.college-scholarships.com)  
[www.fastweb.com](http://www.fastweb.com)  
[www.finaid.org](http://www.finaid.org)  
[www.freschinfo.com](http://www.freschinfo.com)  
[www.salliemae.com](http://www.salliemae.com)  
[www.supercollege.com](http://www.supercollege.com)  
[www.tgslc.org](http://www.tgslc.org)  
[www.gocollege.com](http://www.gocollege.com)  
[www.findtuition.com](http://www.findtuition.com)  
[www.collegeboard.com](http://www.collegeboard.com)  
[www.ncaa.org](http://www.ncaa.org)

### College Applications/Applying On-Line

[www.applytexas.org](http://www.applytexas.org)  
[www.commonapp.org](http://www.commonapp.org)

### Financial Aid Information Submit Your FAFSA Profile Register for Financial Aid Easy Planner

[www.ed.gov/prog\\_info/SFA/FAFSA](http://www.ed.gov/prog_info/SFA/FAFSA)  
[www.fafsa.ed.gov](http://www.fafsa.ed.gov)  
[www.collegeboard.com](http://www.collegeboard.com)

## Texas Grant Program

The Texas Grant and Exemption Program is an award of varying amounts to assist certain students who graduate on the Foundation, Recommended or Distinguished Graduation Program with college expenses. For more information on these grants as well as help with paying for college tuition and expenses, students should review the website (<http://www.collegeforalltexans.com/>) or call 512-427-6101 and see the counselor.

## College Assessment Information

Students entering public community colleges in Texas must take the TSIA2 assessment before enrolling in any college course work unless they meet the criteria for exemption based on SAT or ACT scores. Check with the high school academic dean to find out how you can take this exam free of charge. The academic dean has detailed college registration and exemption information.

Most colleges and universities also require students to take either the Scholastic Aptitude Test (SAT) or the American College Test (ACT) prior to admission. Students can register on-line for the SAT at [www.collegeboard.com](http://www.collegeboard.com) and for the ACT at [www.act.org](http://www.act.org). Further information is available in the counseling center.

Navarro High School provides 11<sup>th</sup> graders the opportunity to take the Preliminary Scholastic Aptitude Test (PSAT) free of charge each October. This is the qualifying test for National Merit Scholar awards in the junior year. 10<sup>th</sup> graders may take the PSAT as well at their own expense.

### ASVAB Testing

SB 1843 authorizes that each school year, each school district and open-enrollment charter school is required to provide students in grades 10 through 12 an opportunity to take the Armed Services Vocational Aptitude Battery (ASVAB) test and consult with a military recruiter. The ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success. Navarro High School administers this test annually in the fall semester. Speak to the counselor for more details about ASVAB testing.

### **Automatic Admission to Texas Public Universities for Top 10%**

Top students in Texas are eligible for automatic admission to any public university in Texas under state admissions policies. Under House Bill 588 passed by the 75<sup>th</sup> Legislature in 1997, students who are in the top 10% of their graduating class are eligible for automatic admission to any public university in Texas. However, the University of Texas (UT) at Austin has been exempted from this rule under SB 175 passed by the 81<sup>st</sup> Legislature in 2009. Specifically, SB 175 caps the number of students admitted under the top 10% law to 6% at UT Austin.

To be eligible for the automatic admission, a student must:

- Graduate in the top 10% of his or her graduating class at a public or private high school in Texas;
- Enroll in college no more than two years after graduating from high school; and
- Submit an application to a Texas public university for admission before the institution's application deadline.

Once a student is admitted, the university may review the high school records to determine if the student is prepared for college-level course work. A student who needs additional preparation may be required to take a developmental, enrichment, or orientation course during the semester prior to the first semester of college.

**Note:** Students on the Foundation Graduation Program must achieve Distinguished Achievement under that graduation plan to place in the top 10% of their graduating class. Please see page 5 for details about distinguished achievement under the Foundation Graduation Program.

### **NCAA Guidelines**

All high school athletes wishing to compete in college athletics must register with the Initial-Eligibility Clearinghouse. Information about the Clearinghouse can be found in the [Guide for the College-Bound Student Athlete](#) at [www.ncaa.org](http://www.ncaa.org). Students who are interested in attending college on an athletic scholarship should carefully select high school courses that qualify under the National Collegiate Athletic Association guidelines. After you have registered, please submit paperwork to the high school registrar.

## Course Availability

Courses are offered according to student need and teacher availability. Students and parents are reminded that course selection determines how the school's schedule is built, faculty is hired, and room assignments are made. **Students should always carefully consider and prioritize courses on the choice sheet in the event of scheduling conflicts.**

Student schedules will be determined based on the student's individual needs for graduation and the priorities set on their individual choice sheets.

## Course Selection

The school cannot take total responsibility for the proper choice of subjects for the student's graduation or for college entrance. Students should carefully check local graduation and college entrance requirements before choosing courses. Under no circumstances should students depend on any high school official to choose the correct courses for their future. While counselors, administrators, and teachers are glad to assist students at any time, students and parents must make the final choice.

## Course Drops and Schedule Changes

A small window for schedule change requests will be provided after the first week of the new school year. Requests for schedule change will be accepted before or during the first week of a semester. Changes may be processed during the second week of a semester, but no new requests for a change will be accepted. If a schedule change becomes necessary, the student must submit a written request which includes the reason for the change and a parent signature. A campus administrator or counselor must approve all schedule changes. Possible reasons for schedule changes are outlined in the student handbook. If a student signs up for a yearlong course but then has a change of mind at the semester and wants out of that course, this type of schedule change will be denied.

The campus administration will review all requests for a course change including ones that occur during the course of the year. Should the administration determine the need for a change, this will be addressed, but only where a significant academic or sociological need that is in the best interest of the student exists.

# Course Descriptions

\*Note: All courses that correspond to a STAAR End of Course (EOC) test are noted as such.

## ENGLISH/COMMUNICATION

**ENGLISH I (EOC) – 4105**                      9<sup>th</sup> Grade  
2 Semesters                                      1 Credit

Basic grammar, vocabulary development, parts of speech, capitalization, punctuation, usage, etc., are studied. Writing skills include creative, dramatic, expository, and persuasive writing as well as literary responses to reading selections. Literary concepts are covered in works of non-fiction, Greek mythology, poetry, the short story, drama, the novel, and other genres of literature. Outside reading is mandatory each grading period. Oral presentations are required.

**ENGLISH I (EOC) – 4107**                      9<sup>th</sup> Grade  
2 Semesters                                      1 Credit  
*Prerequisite: Committee approval required for enrollment.*

Basic grammar, vocabulary development, parts of speech, capitalization, punctuation, usage, etc., are studied. Writing skills include creative, dramatic, expository, and persuasive writing as well as literary responses to reading selections. Literary concepts are covered in works of non-fiction, Greek mythology, poetry, the short story, drama, the novel, and other genres of literature.

**ENGLISH I – Honors (EOC) - 4106**                      9<sup>th</sup> Grade  
2 Semesters                                      1 Credit

All elements of the regular English I course are covered. Additional reading and writing are required. Higher level thinking skills, vocabulary, and literary terms are introduced. Additional work outside the classroom is mandatory for success in Honors English. This is a preparatory course for Advanced Placement. Summer reading assignments are required in addition to the eligibility criteria depicted in the chart on page 11.

**ENGLISH II (EOC) – 4110**                      10<sup>th</sup> Grade  
2 Semesters                                      1 Credit

This course is a study of a variety of works from writers of different nationalities and genres. Students engage in vocabulary building and interpreting

strategies as they learn to process and analyze increasingly complex selections of literature. They develop writing skills that include expository, analytical and persuasive essays. Outside reading of self-selected literature is mandatory. Oral presentations will be required. The course also includes a research project.

**ENGLISH II (EOC) – 4113**                      10<sup>th</sup> Grade  
2 Semesters                                      1 Credit  
*Prerequisite: Committee approval required for enrollment.*

This course is a study of a variety of works from writers of different nationalities and genres. Students engage in vocabulary building and interpreting strategies as they learn to process and analyze increasingly complex selections of literature. They develop writing skills that include expository, analytical and persuasive essays.

**ENGLISH II – Honors (EOC) – 4111**                      10<sup>th</sup> Grade  
2 Semesters                                      1 Credit

All elements of the regular English II course are covered. Additional independent reading and writing are required. Students must be task-oriented and have a high level of personal initiative and enthusiasm to do more complicated and challenging assignments. Outside reading of high school and college level self-selected literature is mandatory. Oral presentations will be required on a regular basis. The course also includes an extensive research project. The Honors course is a preparatory course for Advanced Placement courses. Summer reading assignments are required in addition to the eligibility criteria depicted in the chart on page 11.

**ENGLISH III–4115**                                      11<sup>th</sup> Grade  
2 Semesters                                      1 Credit

This course is a study of major works by significant American writers from Hawthorne, Irving, Thoreau, Twain, Dunbar, Crane, Eliot, Fitzgerald, Hughes,

Faulkner, and Steinbeck to Miller, O'Brien and Walker among others. The course deals with American Literature from the Puritan era to the present day. Within this context, students evaluate both fiction and non-fiction selections. They develop writing skills that include expository, analytical and persuasive essays. The course also includes a research paper.

**ENGLISH III AP – 4116** 11<sup>th</sup> Grade  
2 Semesters 1 Credit

This course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts throughout the history of American literature from the Puritan period to the present. This course allows students to write in a variety of forms – narrative, exploratory, expository and argumentative – and on a variety of subjects. Students read and understand complex texts and analyze stylistic devices utilized by the various authors in the forms listed. The course prepares students for both the Advanced Placement Language and Composition Exam in May and the demands of college courses. Taking the AP exam and scoring a 3, 4, or 5 will usually earn students three hours of college credit for the freshman year. Summer reading assignments are required in addition to the eligibility criteria depicted in the chart on page 11.

**ENGLISH IV – 4120** 12<sup>th</sup> Grade  
2 Semesters 1 Credit

English IV is based on the literature of Great Britain. The scope of literature extends from the first English manuscript to current literature. Epics, ballads, poetry, essays, historical diaries, newspaper excerpts, short stories, dramas, novel excerpts, and novels are studied. Student writings are based on the literature and essay topics from college freshman-level texts. For college applications, the application essay is stressed, as well as maintaining a professional resume. A research paper is required during the second semester. Creative projects are also assigned to vary the curriculum and to give the students' opportunity for implementing their interpretation of our studies. Grammar is reviewed as needed. Higher level thinking skills are stressed in all studies.

**ENGLISH IV AP – 4121** 12<sup>th</sup> Grade  
2 Semesters 1 Credit

English IV AP follows the above curriculum with additional content and complexity. Several more novels, dramas, and more difficult critical readings are

assigned. The writing assignments are more difficult in order to prepare for the Advanced Placement examination. The additional literature and writing assignments are based on the lists of the College Board. Summer reading assignments are required in addition to the eligibility criteria depicted in the chart on page 11.

**ENGLISH IV (Dual Credit) – 8037** 12<sup>th</sup> Grade  
2 Semesters 1 Credit

English IV Dual Credit follows the curriculum for college level English classes ENGL 1301 and ENG 1302. Complex content focuses on novels, dramas, and college level writing assignments. Students must meet requirements for dual credit enrollment. This dual credit course meets the requirements for college credit in English 1301 and 1302.

**ENGLISH IV COLLEGE PREPARATORY – 4118** 12<sup>th</sup> Grade  
2 Semesters 1 Credit

*Prerequisite: English III and passing scores on the two English EOC tests.*

In this course, students will improve integrated critical reading and writing skills through engagement with a variety of texts across content areas and genres. As a result, students will be able to develop and express ideas clearly and effectively to communicate with various audiences for various purposes and occasions. This course is specifically designed to help students achieve TSIA2 college readiness scores.

**JOURNALISM – 4126** 10<sup>th</sup>– 12<sup>th</sup>Grade  
2 Semesters 1 Credit  
*Prerequisite: English I*

Journalism students write in a variety of forms for a variety of audiences and purposes. Students will plan, draft, and complete compositions on a regular basis, carefully examining their papers for clarity, engaging language, and the correct use of the conventions and mechanics of written English. Students will become analytical consumers of media and technology to enhance their communication skills. Published work of professional journalists, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, write, and produce effective communications. Students enrolled in Journalism will learn journalistic traditions, research self-selected topics, write journalistic texts, and learn the principles of publishing. Navarro journalism students will produce the high school yearbook.

**JOURNALISM II Yearbook – 4127**  
 2 Semesters 11<sup>th</sup> – 12<sup>th</sup> Grade  
 Prerequisite: Journalism 1 Credit

Students need to be critical viewers, consumers, and producers of media. The ability to access, analyze, evaluate, and produce communication in a variety of forms is an important part of language development. High school students enrolled in this course will apply and use their journalistic skills for a variety of purposes. Students will learn to critique and analyze the significance of visual representations; and learn to produce by creating print. Navarro journalism students will produce the high school yearbook.

## MATHEMATICS

**ALGEBRA I (EOC) – 4215** 9<sup>th</sup> Grade  
 2 Semesters 1 Credit

The emphasis of Algebra I is to provide a foundation in the basic skills of Algebra. The focus of the course is algebraic thinking and symbolic reasoning, function concepts including the relationship between equations and functions, linear and quadratic relationships and using different representations to model them.

**ALGEBRA I (EOC) – 4217** 9<sup>th</sup> Grade  
 2 Semesters 1 Credit  
 Prerequisite: Committee approval required for enrollment.

The emphasis of Algebra I is to provide a foundation in the basic skills of Algebra. The focus of the course is algebraic thinking and symbolic reasoning, function concepts including the relationship between equations and functions.

**GEOMETRY – 4225** 9<sup>th</sup>-10<sup>th</sup> Grade  
 2 Semesters 1 Credit  
 Prerequisite: Algebra I

The emphasis of Geometry is to provide a foundation in the basics of geometric patterns and theories. The focus of the course is lines, segments, angles, deductive reasoning, planes and relationships among shapes and patterns.

**GEOMETRY HONORS – 4226** 9<sup>th</sup>-10<sup>th</sup> Grade  
 2 Semesters 1 Credit  
 Prerequisite: Algebra I

A course for college bound students, this course is designed to teach the fundamental concepts and skills necessary to succeed in calculus and disciplines that are mathematically based, such as Chemistry and Physics. It contains an in-depth study of geometry and analytical geometry. The student is required to participate in UIL Mathematics, Number Sense, or Calculator competitions. Student must meet eligibility criteria depicted in the chart on page 11.

**ALGEBRA II – 4220** 10<sup>th</sup>-12<sup>th</sup> Grade  
 2 Semesters 1 Credit  
 Prerequisite: Algebra I

This course continues the study of topics from Algebra I and begins the study of Trigonometry. All of the Algebra I topics are reviewed and the concepts are applied in more advanced equations. Additional topics introduced in the course are completing the square, deriving the quadratic formula, simplification of radicals, and complex numbers.

**ALGEBRA II Honors – 4221** 10<sup>th</sup>-12<sup>th</sup> Grade  
 2 Semesters 1 Credit  
 Prerequisite: Algebra I

This course will have the same curriculum as Algebra II but will include projects and enrichment. Additionally, the student must meet the eligibility criteria depicted in the chart on page 11.

**PRE-CALCULUS Honors – 4240** 11<sup>th</sup>-12<sup>th</sup> Grade  
 2 Semesters 1 Credit  
 Prerequisite: Algebra II and Geometry

This course is a continuation of advanced math with in-depth coverage of trigonometry, logarithms, and functions necessary for calculus. Additionally, the student must meet the eligibility criteria depicted in the chart on page 11.

**CALCULUS AP – 4245**  
2 Semesters  
Prerequisite: Pre-Calculus

11<sup>th</sup>-12<sup>th</sup> Grade  
1 Credit

A college level course covering functions, limits, the derivative and its applications, etc. Basic topics of the AP Exam are covered. A Calculus AP exam will be administered in May. Students must meet the eligibility criteria depicted in the chart on page 11.

**INDEPENDENT STUDIES IN MATHEMATICS**  
(Dual Credit College Math 1414&2412) - 8041

2 Semesters  
11<sup>th</sup>-12<sup>th</sup> Grade  
1 Credit

Students will extend their mathematical understanding beyond the Algebra II level in a specific area or areas of mathematics, such as theory of equations, number theory, non-Euclidean geometry, advanced survey of mathematics, or history of mathematics. The requirements for each course must be approved by the local district before the course begins. This dual credit course meets the requirements for college credit in College Algebra MATH 1414 in the fall and College Pre-Calculus MATH 2312 in the spring. Students must meet requirements for dual credit enrollment.

**FINANCIAL MATHEMATICS - 4259**

2 Semesters  
10<sup>th</sup>-11<sup>th</sup> Grade  
1 Credit  
Prerequisite: Algebra 1

Financial Mathematics is a course about personal money management. Students will apply critical-thinking skills to analyze personal financial decisions based on current and projected economic factors and problem solve for everyday life, social, and workplace situations. Financial Mathematics will integrate career and postsecondary education planning into financial decision making.

**COLLEGE PREPARATORY MATH – 4258**

2 Semesters  
12<sup>th</sup> Grade  
1 Credit  
Prerequisite: Algebra 2 and a passing score on the Algebra 1 EOC test.

In this course, students will improve critical thinking and mathematics skills that will be needed for college algebra. This course is specifically designed to help students achieve TSIA2 college readiness in mathematics.

## SCIENCE



**INTEGRATED PHYSICS AND CHEMISTRY**  
(IPC) – 4305

2 Semesters  
9<sup>th</sup>- 10<sup>th</sup> Grade  
1 Credit

This course is an introduction to the basic principles of Physics and Chemistry. Students explore chemical reactions as well as basic properties of movement and electromagnetism.

**BIOLOGY (EOC) – 4320**

2 Semesters  
10<sup>th</sup> - 11<sup>th</sup> Grade  
1 Credit

Biology I is a lab course which introduces the life sciences. Biology covers zoology, botany, cellular structures and genetics. Biological concepts, experiments, and theories are examined.

**BIOLOGY (EOC) – 4324**

2 Semesters  
10<sup>th</sup> - 11<sup>th</sup> Grade  
1 Credit  
Prerequisite: Committee approval required for enrollment

Biology I is a lab course which introduces the life sciences. Biology covers zoology, botany, cellular structures and genetics. Biological concepts, experiments, and theories are examined.

**BIOLOGY Honors (EOC) – 4321**

2 Semesters  
9<sup>th</sup>-10<sup>th</sup> Grade  
1 Credit

This first-year course designed to prepare the science oriented student to continue in studies in Biology AP or college biology. This course will use the same curriculum as Biology but will be covering topics with more intense lab studies. Student must meet eligibility criteria depicted in the chart on page 11.

**CHEMISTRY – 4340**

2 Semesters  
10<sup>th</sup>-12<sup>th</sup> Grade  
1 Credit  
Prerequisite: Algebra I

This course will provide the student with critical thinking opportunities and laboratory experience. Topics include laboratory safety and techniques, matter and energy, atomic structure, periodic table, chemical bonding, formulas, equations, reactions,

mole, stoichiometry, thermochemistry, gases, solubility, solutions, acids and bases, redox and nuclear chemistry. Students must maintain a laboratory notebook.

**CHEMISTRY Honors – 4341**      10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
*Prerequisite: Algebra I*

This course will use the same curriculum as Chemistry, but will cover more topics and in more mathematical detail than Chemistry. Labs will be written up as they are in Chemistry AP in a laboratory notebook. The pace is faster than Chemistry and the additional topics more challenging. The student is required to participate in science fair, Robot team or UIL Science (requirements vary per activity). Student must meet eligibility criteria depicted in the chart on page 11.

**BIOLOGY II Dual Credit – 8051**      11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit

This course is the equivalent of the biological systems course usually taken the first year of college with special emphasis on cells, genetics, and laboratory investigation. This dual credit course meets the requirements for college credit in Biology 143. Students must meet requirements for dual credit enrollment.

**PHYSICS – 4349**      11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
*Prerequisite: Chemistry*

In Physics, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

**PHYSICS Honors (ON RAMPS) – 4350**  
2 Semesters      11<sup>th</sup> – 12<sup>th</sup> Grade  
*Prerequisite: Chemistry*      1 Credit

In Physics, students study a variety of topics that include: laws of motion; changes within physical systems and conservation of energy and momentum; forces; thermodynamics; characteristics and behavior of waves; and atomic, nuclear, and quantum physics. Students who successfully complete Physics will acquire factual knowledge within a conceptual framework, practice experimental design and interpretation, work collaboratively with colleagues, and develop critical thinking skills.

The Physics Honors class will be an “ON RAMPS” course. On Ramps is a program through the University of Texas where students concurrently earn college credit in their high school class. Students must meet eligibility requirements depicted on page 11.

**ANATOMY AND PHYSIOLOGY SYSTEMS- 4363**      11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
*Prerequisite: 3 previous science credits in high school.*

Anatomy and Physiology is designed to extend the concepts of biology and chemistry to the study of vertebrate anatomy and physiology. This course will be laboratory oriented, with an emphasis on vertebrate dissections. Human health factors and interrelationships of those factors to current and future environmental situations will be explored. This course is recommended for students interested in a career in any field of medicine. This would include a wide range of professions from physician and nurse to veterinarian and physical therapist.

**ADVANCED PLANT AND SOIL SCIENCE-4508**      11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent, credit for Biology*

Plant and soil science provides a way of learning about the natural world. Students will learn how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science.

**ADVANCED ANIMAL SCIENCE-4502**  
2 Semesters 11<sup>th</sup>-12<sup>th</sup> Grade  
1 Credit

*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent, credit for Biology*

Advanced Animal Science explains animal anatomy and physiology related to nutrition, reproduction, health, and management of domesticated animals; identifies nutritional requirements of ruminant and non-ruminant animals; and discusses animal genetics, reproduction, animal pests and diseases, and traditional and current issues in animal science and livestock production. Students will apply scientific principles, scientific inquiry, science and social ethics, safe laboratory practices, scientific methods and equipment used during field and laboratory investigations; use critical thinking, scientific reasoning and problem solving; apply principles of molecular genetics and heredity.

**ENVIRONMENTAL SYSTEMS - 4362**  
2 Semesters 11<sup>th</sup>-12<sup>th</sup> Grade  
1 Credit

*Prerequisite: Biology and one other science credit*

In Environmental Systems, students conduct laboratory and field investigations and use scientific methods to study various systems related to our environment. The course covers topics that involve elements of both life science as well as physical science. Topics include: biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and the flow of energy through an environmental system, the relationship between carrying capacity and changes in human populations and ecosystems, and changes in environments.

## **SOCIALSTUDIES**

**WORLD GEOGRAPHY- 4405** 9<sup>th</sup>- 11<sup>th</sup> Grade  
2 Semesters 1 Credit

Geography gives an overview of people and their global environment and people and their regional environment. Helps students develop a perspective on their own culture in relation to other cultures, and to appreciate the unique peoples and cultures of world regions.

**WORLD HISTORY- 4420** 10<sup>th</sup>-11<sup>th</sup> Grade  
2 Semesters 1 Credit

Students will receive an overview of the development of civilization from ancient times to the present. Map study, vocabulary, and outside reading are required.

**U.S. HISTORY (EOC) – 4430** 10<sup>th</sup>-11<sup>th</sup> Grade  
2 Semesters 1 Credit

Students study the history of the United States from 1877 to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life.

**U.S. HISTORY (EOC) – 4431** 10<sup>th</sup>-11<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Committee approval required for enrollment*

Students study the history of the United States from 1877 to the present. Historical content focuses on the political, economic, and social events and issues related to industrialization and urbanization, major wars, domestic and foreign policies, and reform movements, including civil rights. Students examine the impact of geographic factors on major events and eras and analyze their causes and effects. Students examine the impact of constitutional issues on American society, evaluate the dynamic relationship of the three branches of the federal government, and analyze efforts to expand the democratic process. Students describe the relationship between the arts and popular culture and the times during which they were created. Students analyze the impact of technological innovations on American life.

**U.S. HISTORY Dual Credit (EOC) – 8032**  
2 Semesters 10<sup>th</sup>-11<sup>th</sup> Grade  
1 Credit

This course is a college level overview of U.S. History from the colonial period to the present. Students must meet requirements for dual credit enrollment. This dual credit course meets the requirements for college credit in History 1301/1302.

**U. S. GOVERNMENT – 4440** 12<sup>th</sup> Grade  
Fall Semester Only ½ Credit  
Prerequisite: U.S. History

This course is an introduction to basic government. Stress is placed on functions and characteristics of the three branches of the Federal System. Emphasis is placed on the working of the American political system.

**U.S. GOVERNMENT Dual Credit– 8025** 12<sup>th</sup> Grade  
Fall Semester Only ½ Credit  
Prerequisite: U.S. History

This college level course is a study of the principles of government in the US. The course examines the functions and characteristics of the three branches of the Federal System as well as the ideas behind the U.S. Constitution and Bill of Rights. This dual credit course meets the requirements for college credit in Government 2305. Students must meet requirements for dual credit enrollment.

**U.S. GOVERNMENT Dual Credit Elective– 8030**  
Spring Semester Only 12<sup>th</sup> Grade  
½ Credit  
Prerequisite: U.S. Government

This college level course is a study of the principles of state and local governments in the U.S. This dual credit course meets the requirements for college credit in Government 2306. Students must meet requirements for dual credit enrollment.

**ECONOMICS – 4450** 12<sup>th</sup> Grade  
Spring Semester Only ½ Credit  
Prerequisite: U.S. History

This course deals with a study of the free enterprise system and the American economic system. The course is usually paired with government.

**PERSONAL AND FINANCIAL LITERACY**  
**4452** 10<sup>th</sup>-12<sup>th</sup> Grade  
1 Semesters ½ Credit

Personal Financial Literacy will help students develop the knowledge and skills to make sound, informed financial decisions that will allow them to lead financially secure lifestyles and understand personal financial responsibility. The course is designed to be an interactive and research-based course. The course will teach students to apply critical-thinking and problem-solving skills to analyze decisions involving earning and spending, saving and investing, credit and borrowing, insuring and protecting, and college and postsecondary education and training.

## **FOREIGN LANGUAGES**

**SPANISH I – 4760** 9<sup>th</sup>-11<sup>th</sup> Grade  
2 Semesters 1 Credit

This course is designed as a beginning class in Spanish. Students will develop initial listening, speaking, reading, and writing skills with an emphasis placed on enabling students to function in practical situations. Among other topics, they will learn how to talk about themselves, friends, families, interests, and daily activities. They will also learn about the culture and people of selected Spanish-speaking countries. Language instruction will be done combining primary and target language.

**SPANISH II – 4761** 9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
Prerequisite: Spanish I

This course reinforces and further develops listening, speaking, reading, and writing skills acquired in Spanish 1. Continued emphasis will be placed on practical use of the language, oral presentations, and a variety of advanced oral interaction. Students will extend their ability to communicate about topics such as recreational activities, travel, food, school experiences, health, careers, and family relationships. Students will further develop their appreciation of Spanish-speaking people and their cultures. Students will have frequent opportunities to do independent, pair and group work.

**SPANISH III Honors – 4762**      10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
Prerequisite: Spanish II

The development of proficiency in all four of the fundamental skill areas continues in this course. Additional emphasis is placed on speaking and conversational fluency in a variety of increasingly complex situations. Coursework includes selected higher level reading materials (including short stories, poetry, articles, and/or abridged novels), writing exercises, oral presentations, and a variety of advanced oral interaction. Students will have frequent opportunities to do independent, pair and group work.

**SPANISH IV AP – 4763**      11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
Prerequisite: Spanish III

Spanish IV AP covers the equivalent of a third year college course in advanced Spanish composition and conversation. It encompasses aural/oral skills, reading comprehension, vocabulary, grammar and composition. The course emphasizes the use of Spanish for active communication and prepares students to take the College Board Spanish Language Advanced.

**GERMAN I – 4770**      9<sup>th</sup>-11<sup>th</sup> Grade  
2 Semesters      1 Credit

In this course, students will learn the building blocks of the German language and culture. Students will communicate using both the spoken and written language. By the end of the first semester, successful students will be able to carry on short conversations and read and write short stories. By the end of the year, successful students will be able to discuss and understand conversations and passages about families, schools, likes and dislikes, hobbies, obligations, and activities. Students will develop an understanding of basic German culture and traditions, as well as be able to recognize German influences on their own culture. At the conclusion of this course, successful students will be able to communicate at the novice, (beginner) level. No previous instruction or knowledge of German is required.

**GERMAN II – 4771**      9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
Prerequisite: German I

This course will pick up where German 1 ended and will build more foundational language skills. Students will dive more deeply into the German culture and will make stronger connections to other academic disciplines. By the end of the year, successful students will have read a number of novels, and will be able to discuss and understand conversations and passages regarding the house, home life, daily routines, clothing and shopping, and food and restaurants. Students will increase their language accuracy to the level of intermediate-mid and be able to use more descriptive language and express themselves in the future and the past tenses.

**German III Honors – 4772**      10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
Prerequisite: German II

This course will help students expand their language and cultural understandings by examining the 6 AP themes: beauty and aesthetics, global challenges, families and communities, science and technology, contemporary life, and public and personal identities. Students will be expected to connect with other German speakers using the three modes of communication: presentational, interpretive, and interpersonal. Students will be expected to complete out-of-class projects and have a solid foundation of materials covered in German I and II. Students wishing to take German III will have summer assignments prior to the course that will be mandatory and assessed the first day of class.

**German IV AP – 4773**      10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters      1 Credit  
Prerequisite: German III

The AP German IV course will help students expand their language and cultural understandings by further examining the 6 AP themes: beauty and aesthetics, global challenges, families and communities, science and technology, contemporary life, and public and personal identities. Students will connect with other German speakers using the three modes of communication: presentational, interpretive, and interpersonal. Students will be expected to complete out-of-class projects, be engaged and inquisitive learners, and have a solid foundation of materials

covered in German I, II and III. Students wishing to take AP German IV will have summer assignments prior to the course that will be mandatory and assessed the first day of class.

## **FINE ARTS**

**HIGH SCHOOL BAND I-IV– 4751** 9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Director approval required*

This course may meet a P. E. requirement or the Fine Arts elective requirement. Students in band are members of the Marching Band and Concert Band. The Marching Band performs at ALL football games (some of them are out of town), U.I.L. contests, various area parades, etc. The Concert Band performs at U.I.L. contests, festivals, and other performances throughout the year. Emphasis is placed on musicianship and a positive cooperative attitude.

**JAZZ BAND I-IV – 4755** 9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Director approval required*

This course would involve forming a “Jazz Band” for study, rehearsal, and performing of different styles of music (rock, swing, jazz, etc.).

**ART I – 4731** 9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit

Course provides an understanding of the elements and principles of good design through various art forms. The student will be provided the opportunity to work in the areas of design, drawing, painting, printmaking, and sculpture. This course will provide the student with experiences that incorporate a variety of media, artistic styles, and historical periods.

**ART II – 4732** 10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Art I*

This course will provide the students with experiences that incorporate a variety of media, artistic styles, and historical periods.

**ART III - Ceramics – 4733** 11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Art II*

Art III provides the students with the opportunity to be more expressive as a visual communicator with a focus in ceramic techniques. Complex projects will explore the various methods of both hand-built and wheel-thrown sculpture and pottery on an advanced level. Innovative glazing techniques and surface design will be stressed, in addition to loading and operating a kiln for firing their projects.

**ART IV – 4735** 12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Art III*

Art IV continues to provide an in-depth study of the concepts introduced in the preceding courses. This course will require complex projects involving innovative and imaginative self-expression through various media. Aesthetic appreciation through visual discrimination and judgment will be developed. Students will be required to assemble a portfolio, as well as an awareness of career opportunities and college preparation will be emphasized.

**ART IV AP – 4736** 12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Art III*

Art IV AP continues to provide an in-depth study of the concepts introduced in the preceding courses. This course will require complex projects involving innovative and imaginative self-expression through various media. Aesthetic appreciation through visual discrimination and judgment will be developed. Students will be required to assemble an AP portfolio for submission for AP credit.

**THEATRE ARTS I– 4721** 9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit

Through diverse forms of storytelling and production, students will develop and exercise creativity, collaboration, confidence in public speaking, critical thinking, problem solving, and the fundamentals of performing. Students will perform in front of peers in a safe and positive classroom environment. Areas of performance include, but are not limited to pantomime, skits, improvisation, lip syncs, presentations, theatre games, monologues, group scenes, and short productions. We will also cover the basics of theatre history and technical theatre.



and arrangement the use of foliage and related plant materials in arrangements and interiorscapes, and the mathematical processes of managing a florist operation.

**\*\*This course can count as CTE credit.**

## **PHYSICAL EDUCATION**

### ***FOUNDATIONS OF PERSONAL***

***FITNESS (PE 1) – 4605***                      9<sup>th</sup>-12<sup>th</sup> Grade  
1 or 2 Semesters                      ½ Credit per semester

The basic purpose of this course is to motivate students to strive for lifetime personal fitness with an emphasis on the health-related components of physical fitness

### ***PHYSICAL EDUCATION***

***(PE 2) – 4606***                      10<sup>th</sup>-12<sup>th</sup> Grade  
1 or 2 Semesters                      ½ Credit per semester

Physical education provides a variety of individual and team activities. The basic rules, skills, scoring, and terminology are stressed. Activities may include a variety of individual and team sports such as: badminton, softball, weights, archery, track, tennis, life skills, carry-over sports, gymnastics, and conditioning.

### ***AEROBIC ACTIVITY***

***(PE 3) – 4607***                      11<sup>th</sup>-12<sup>th</sup> Grade  
1 or 2 Semesters                      ½ Credit per semester

Aerobic Activity continues to build on the experiences gained in Physical Education. Activities may include a variety of individual and team sports such as: badminton, softball, weights, archery, track, tennis, life skills, carry-over sports, gymnastics, and conditioning.

### ***ATHLETICS***

1 or 2 Semesters                      9<sup>th</sup>-12<sup>th</sup> Grade  
½ Credit per semester  
*Prerequisite: Participation in team sports and coach's approval.*

Athletics is an advanced physical education course designed for student athletes that participate in team sports. The high school athletic class shall be utilized for strength, aerobic, agility, and flexibility training as well as team development for all athletes.

**Athletics is a two semester course for all underclassmen. Seniors intending to only participate in a fall sport may opt to take athletics for the fall semester only if it is so noted on the student's choice sheet. Otherwise, schedule changes to get out of athletics at the end of the fall semester are not allowed. These choices need to be made before the school year starts.**

### *Courses Available:*

Boys Athletics 1 – 4631	Girls Athletics 1 - 4641
Boys Athletics 2 – 4632	Girls Athletics 2 - 4642
Boys Athletics 3 – 4633	Girls Athletics 3 - 4643
Boys Athletics 4 – 4634	Girls Athletics 4 –4644

## **LOCALLY DEVELOPED & ADDITIONAL INNOVATIVE COURSES**

### ***ACTIVITIES OF DAILY LIVING – 9110***

9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters                      1 Local Credit  
*Prerequisite: Committee Approval Required*

This course is designed to provide instruction to students in real time as need arises in the areas of basic hygiene, grooming, cooking skills, household living, household cleaning, self-help skills, etc., in the classroom as well as in the community.

### ***OCCUPATIONAL PREPERATION – 9120***

9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters                      1 Local Credit  
*Prerequisite: Committee Approval Required*

Job skills needed for employability are taught in the classroom and on the job training sites, including administrative skills, secretarial skills, food service, retail and child care.

### ***RECREATION AND LEISURE – 9130***

9<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters                      1 Local Credit  
*Prerequisite: Committee Approval Required*

This course is designed to provide instruction to students in the areas of lifelong recreational skills and activities including art, painting, crafts, exercising and recreational games (indoors and outdoors).

# CAREER/TECHNICAL EDUCATION

## **PROJECT BASED RESEARCH - COLLEGE AND CAREER PLANNING (SUCCESS 101) – 4545**

2 Semesters

9<sup>th</sup> Grade

1 Credit

This course, **Success 101**, is an exploration of careers, colleges, degree programs and personal finance and planning. Students will be introduced to a planning process that will help guide them through their high school career into higher education or technical training and employment. Students completing this course will have an online portfolio with goals and plans to help guide them through their remaining years of high school. This course serves as a level 1 CTE course for all Business and Industry Endorsement routes for the Foundation High School Program with Endorsement graduation plan.

## **Agriculture, Food & Natural Resources**

### **PRINCIPLES OF AGRICULTURE, FOOD AND NATURAL RESOURCES –4501**

2 Semesters

9<sup>th</sup>-11<sup>th</sup> Grade

1 Credit

This is a basic course designed to provide an introduction to global agriculture. The course includes units in agricultural career development, FFA, leadership, communications, personal finance, soils, plants, animals, supervised agricultural experience programs, and mechanized agriculture.

### **HORTICULTURAL SCIENCE-4511**

2 Semesters

10<sup>th</sup>- 12<sup>th</sup> Grade

1 Credit

*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent*

Horticultural Science is designed to develop an understanding of common horticultural management practices as they relate to food and ornamental plant production. To prepare for careers in horticultural systems, students will learn about management and production of horticultural plants, fabricated structures and physiological processes used in plant production and demonstrate marketing and management skills used in the operation of horticultural businesses.

### **PRINCIPLES AND ELEMENTS**

#### **OF FLORAL DESIGN – 4506**

2 Semesters

10<sup>th</sup>-12<sup>th</sup> Grade

1 Credit

*Prerequisite: Principles of Agriculture Food and Natural Resources*

This course provides real-world training in floral design and interior landscape. This course includes but is not limited to the art of floral design and arrangement the use of foliage and related plant materials in arrangements and interiorscapes and the processes of managing a florist operation. At the conclusion of this course, students will take the Benz School of Floral Design Principles Certification test to gain certification in floral design.

**\*\*This course can count as a Fine Arts credit.**

### **ADVANCED PLANT AND SOIL SCIENCE-4508**

2 Semesters

11<sup>th</sup>- 12<sup>th</sup> Grade

1 Credit

*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent, credit for Biology*

Plant and soil science provides a way of learning about the natural world. Students will learn how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science.

### **EQUINE SCIENCE-4503**

1 Semesters

10<sup>th</sup>- 12<sup>th</sup> Grade

½ Credit

*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent*

Plant and soil science provides a way of learning about the natural world. Students will learn how plant and soil science has influenced a vast body of knowledge, that there are still applications to be discovered, and that plant and soil science is the basis for many other fields of science.

### **SMALL ANIMAL**

#### **MANAGEMENT-4510**

1 Semesters

10<sup>th</sup>- 12<sup>th</sup> Grade

½ Credit

*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent*

In Small Animal Management, students will learn about topics related to small mammals such as dogs and cats, amphibians, reptiles, and birds. The students will evaluate current topics in animal rights and animal

welfare, learn the care and management requirements for a variety of small animals and examine career opportunities in small animal care. To prepare for possible careers in the field of animal science, students will learn about animal systems, as well as standards regarding career opportunities, entry requirements, and industry expectations.

**LIVESTOCK**

**PRODUCTION-4509** 10<sup>th</sup>- 12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent*

In Livestock Production, students will learn about topics related to beef cattle, dairy cattle, swine, sheep, goats, and poultry. The students will learn technical skills relating to the interrelated human, scientific, and technological dimensions of animal systems, anatomy and physiology related to nutrition, reproduction, health, and management of livestock species, factors impacting commodity prices and costs and plan for dynamic changes in business operation. To prepare for careers in the field of animal science, students will gain knowledge related to animal systems and the workplace as well as career opportunities, entry requirements, and industry expectations.

**ADVANCED ANIMAL SCIENCE- 4502**  
2 Semesters 11<sup>th</sup>-12<sup>th</sup> Grade  
1 Credit  
*Prerequisite: Principles of Agriculture Food and Natural Resources or Equivalent, credit for Biology*

Advanced Animal Science explains animal anatomy and physiology related to nutrition, reproduction, health, and management of domesticated animals; identifies nutritional requirements of ruminant and non-ruminant animals; and discusses animal genetics, reproduction, animal pests and diseases, and traditional and current issues in animal science and livestock production. Students will apply scientific principles, scientific inquiry, science and social ethics, safe laboratory practices, scientific methods and equipment used during field and laboratory investigations; use critical thinking, scientific reasoning and problem solving; apply principles of molecular genetics and heredity. At the conclusion of this course, students will test for certification as licensed breeders.

**\*\*This course can count as a science credit.**

**AGRICULTURAL MECHANICS AND METAL TECHNOLOGIES – 4507** 10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Principles of Agriculture Food and Natural Resources*

Agriculture Mechanics and Metal Technologies is designed to introduce basic theory and specialized skills in agricultural mechanics. Skills taught include tool identification and safe use, carpentry, electricity, plumbing, masonry, fencing, painting, metal working, and welding processes.

**AGRICULTURAL FACILITIES DESIGN AND FABRICATION-4514** 11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite(s): Ag Mechanics and Metal Technologies*

To be prepared for careers in mechanized agriculture and technical systems, students attain knowledge and skills related to agricultural facilities design and fabrication. Students explore career opportunities, entry requirements, and industry expectations. To prepare for success, students reinforce, apply, and transfer their academic knowledge and technical skills in a variety of settings.

**PRACTICUM IN AGRICULTURAL MANUFACTURING – 4518**  
2 Semesters 12<sup>th</sup> Grade  
2 Credits  
*Prerequisite: Ag. Facilities Design and Fabrication.*

The Practicum in Manufacturing course is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. At the conclusion of the course, students will be required to test for OSHA Certification.

**WILDLIFE, FISHERIES, ANDECOLOGY MANAGEMENT–4505** 10<sup>th</sup> -12<sup>th</sup> Grade  
2 Semesters 1 Credit

*Prerequisite: Principles of Agriculture, Food, and Natural Resources*

This course is designed to examine the importance of wildlife and outdoor recreation with an emphasis on the wise use and management of wildlife and natural

resources as well as the related career opportunities. Hunting and fishing safety as well as boater safety are taught in this course.

**\*\*Texas Hunter Education Certification and/or Boater Education Certification may be obtained.**

**\*\*This course is required for any students who wish to take part in the Ag Clays Shooting Sports program offered through the Navarro FFA Chapter.**

## **Business, Management & Administration**

**PRINCIPLES OF BUSINESS, MARKETING,  
AND FINANCE – 4522** *9<sup>th</sup>-12<sup>th</sup> Grade*  
*1 Credit*  
*2 Semesters*

Students will gain knowledge and skills in economies and private enterprise systems, the impact of global business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

**ADVERTISING - 4532** *10<sup>th</sup>-12<sup>th</sup> Grade*  
*1/2 Credit*  
*1 Semester*  
*Prerequisite: Principles of Business, Marketing, and Finance or Equivalent*

Advertising is designed as a comprehensive introduction to the principles and practices of advertising. Students will gain knowledge of techniques used in current advertising, including print, broadcast, and digital media. The course explores the social, cultural, ethical, and legal issues of advertising, historical influences, strategies, media decision processes as well as integrated marketing communications, and careers in advertising and sales promotion. The course provides an overview of how communication tools can be used to reach target audiences and increase consumer knowledge.

**FASHION MARKETING - 4551** *10<sup>th</sup>-12<sup>th</sup> Grade*  
*1/2 Credit*  
*1 Semester*  
*Prerequisite: Principles of Business, Marketing, and Finance or Equivalent*

Fashion Marketing is designed to provide students with knowledge of the various business functions in the fashion industry. Students in Fashion Marketing will gain a working knowledge of promotion, textiles, merchandising, mathematics, selling, visual merchandising, and career opportunities. Students will study the marketing-information system as well as merchandising concepts and processes used in obtaining, developing, maintaining, and improving a product or service to respond to marketing opportunities.

**SPORTS AND ENTERTAINMENT  
MARKETING - 4554** *10<sup>th</sup>-12<sup>th</sup> Grade*  
*1/2 Credit*  
*1 Semester*  
*Prerequisite: Principles of Business, Marketing, and Finance or Equivalent*

Sports and Entertainment Marketing will provide students with a thorough understanding of the marketing concepts and theories that apply to sports and entertainment. The areas this course will cover include basic marketing concepts, publicity, sponsorship, endorsements, licensing, branding, event marketing, promotions, and sports and entertainment marketing strategies. Students will also learn how sports and entertainment businesses achieve profitability and establish pricing strategies.

**SOCIAL MEDIA MARKETING - 4552** *10<sup>th</sup>-12<sup>th</sup> Grade*  
*1/2 Credit*  
*1 Semester*  
*Prerequisite: Principles of Business, Marketing, and Finance or Equivalent*

Social Media Marketing is designed to look at the rise of social media and how marketers are integrating social media tools in their overall marketing strategy. The course will investigate how the marketing community measures success in the new world of social media. Students will manage a successful social media presence for an organization, understand techniques for gaining customer and consumer buy-in to achieve marketing goals, and properly select social

media platforms to engage consumers and monitor and measure results.

**CAREER PREPARATION – 4534** 11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 2-3 Credits  
*Prerequisite: 16 years of age, have transportation and employment.*

Career Preparation provides opportunities for students to participate in a learning experience that combines classroom instruction with paid business and industry employment experiences and supports strong partnerships among school, business and community stakeholders. Students absolutely must be employed and able to show earnings in order to participate in this class.

## Engineering

**PRINCIPLES OF APPLIED ENGINEERING – 4594** 10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit

Principles of Applied Engineering provides an overview of the various fields of science, technology, engineering, and mathematics and their interrelationships. Students will develop engineering communication skills, which include computer graphics, modeling, and presentations, by using a variety of computer hardware and software applications to complete assignments and projects. Upon completing this course, students will have an understanding of the various fields of engineering and will be able to make informed career decisions. Further, students will have worked on a design team to develop a product or system. Students will use multiple software applications to prepare and present course assignments.

**ENGINEERING DESIGN AND PRESENTATION I – 4595** 11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Principles of Applied Engineering.*

Engineering Design and Presentation I is a continuation of knowledge and skills learned in Principles of Applied Engineering. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications (such as working with the AutoCAD drafting program) and tools necessary to produce and present working drawings,

solid model renderings, and prototypes. Additionally, students explore career opportunities in engineering, technology, and drafting and what is required to gain and maintain employment in these areas. At the conclusion of the course, students will be required to test as an Autodesk Certified User in AutoCAD.

**ENGINEERING DESIGN AND PRESENTATION II – 4596** 11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 1 Credit  
*Prerequisite: Engineering Design and Presentation I*

Engineering Design and Presentation II is a continuation of knowledge and skills learned in Engineering Design and Presentation I. Students enrolled in this course will demonstrate knowledge and skills of the design process as it applies to engineering fields using multiple software applications and tools necessary to produce and present working drawings, solid model renderings, and prototypes. Students will use a variety of computer hardware and software applications to complete assignments and projects. Through implementation of the design process, students will transfer advanced academic skills to component designs. Emphasis will be placed on using skills from ideation through prototyping. At the conclusion of the course, students will be required to test as a Certified Solid Works Associate (CSWA).

**ENGINEERING PRACTICUM – 4593** 11<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters 2 Credits  
*Prerequisite: Engineering Design and Presentation II*

The Engineering Practicum is designed to give students supervised practical application of previously studied knowledge and skills. Practicum experiences can occur in a variety of locations appropriate to the nature and level of experience. The practicum allows students to demonstrate technical knowledge and skills required to pursue a career in engineering as well as simulate on the job experiences in the field of study.

## Finance

**PRINCIPLES OF BUSINESS, MARKETING, AND FINANCE – 4522** 9<sup>th</sup>-12<sup>th</sup> Grade  
2 semesters 1 Credit

Students will gain knowledge and skills in economies and private enterprise systems, the impact of global

business, marketing of goods and services, advertising, and product pricing. Students analyze the sales process and financial management principles. This course allows students to reinforce, apply, and transfer academic knowledge and skills to a variety of interesting and relevant activities, problems and settings in business, marketing, and finance.

**ACCOUNTING I – 4521** *10<sup>th</sup>-12<sup>th</sup> Grade*  
*2 Semesters* *1 Credit*

Students will develop a broad understanding of the accounting cycle for a service business, inventory-based or merchandising business, payroll, and banking procedures. Students will apply technical skills to address business applications of emerging technologies. This course introduces general accounting concepts, principles, and procedures. Accounting develops the knowledge, skills, and attitudes necessary for individuals to conduct personal business or to further an education in the field of accounting.

**ACCOUNTING II – 4525** *11<sup>th</sup>-12<sup>th</sup> Grade*  
*2 Semesters* *1 Credit*  
*Prerequisite: Accounting I*

Students will continue the investigations of the field of accounting, including how it is impacted by industry standards as well as economic, financial, technological, international, social, legal and ethical factors. Students will reflect on this knowledge as they engage in various managerial and cost accounting activities. Students will formulate and interpret financial information for use in management decision making. At the conclusion of the course, students will be required to test in QuickBooks.

### **Health Science**

**HEALTH SCIENCE THEORY – 4547**  
*2 Semesters* *9<sup>th</sup>-12<sup>th</sup> Grade*  
*1 Credit*

The Health Science Theory course is designed to provide for the development of advanced knowledge and skills related to a wide variety of health careers. Students will employ hands-on experiences for continued knowledge and skill development.

**MEDICAL TERMINOLOGY – 4570**  
*10<sup>th</sup> – 12<sup>th</sup> Grade*  
*2 Semesters* *1 Credit*

The Medical Terminology course is designed to introduce students to the structure of medical terms, including prefixes, suffixes, word roots, singular and plural forms, and medical abbreviations. The course allows students to achieve comprehension of medical vocabulary appropriate to medical procedures, human anatomy and physiology.

**PRACTICUM HEALTH SCIENCES - 8021**  
*12<sup>th</sup> Grade*  
*2 Semesters* *3 Credits*  
*Prerequisite: Health Science Theory, Medical Terminology & Anatomy and Physiology,*

The Practicum in Health Science course is designed to give students practical application of previously studied knowledge and skills. Practicum experiences are a combination of direct classroom instruction as well as clinical work where students apply knowledge of routine nursing duties. This course allows students to earn a Certified Nursing Assistant(CNA) certificate.

### **Human Services**

**PALS (FAMILY AND COMMUNITY SERVICES) 6205**  
*11<sup>th</sup> & 12<sup>th</sup> Grade*  
*1-2 Semesters* *1/2-1 Credits*

*Prerequisite: Students must turn in a written application before the end of the 2019 school year to apply for a significantly limited number of spots.*

This laboratory based course is designed to involve students in realistic and meaningful community-based activities through direct service experiences. Students are provided opportunities to interact and provide services to individuals, and the community through volunteer services. Emphasis is placed on developing and enhancing organizational and leadership skills and characteristics. Students must submit an application with their choice sheet in order to be considered for an assignment in this class.

## **Information Technology**

### **PRINCIPLES OF INFORMATION**

**TECHNOLOGY – 4537**                      9<sup>th</sup> - 12<sup>th</sup> Grade  
2 Semesters                                      1 Credit

Students develop computer literacy skills to adapt to new technologies used in the marketplace. Students implement personal and interpersonal skills to prepare for our rapidly evolving workplace. Students enhance computing, communication, and reasoning skills and apply them to the information technology environment. Students also apply their knowledge to webpage design and web publishing techniques.

**COMPUTER PROGRAMMING - 4592**  
10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters                                      1 Credit

*Prerequisite: Principles of Information Technology, Algebra I*

Students acquire knowledge of structured programming techniques and concepts appropriate to developing programs and creating appropriate documentation. Students analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as it relates to computer programming. Students apply technical skills to address business applications of emerging technologies. At the conclusion of the course, students will be required to test for C++ Certification.

**WEB TECHNOLOGIES - 4590**  
10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters                                      1 Credit

*Prerequisite: Principles of Information Technology, Algebra I*

In Web Technologies, students will learn to make informed decisions and apply the decisions to the field of IT. Students will explore current work opportunities in the areas of web design and web mastery and prepare for a rapidly evolving web-based workplace environment. Students will create and modify web and digital media designs, demonstrate and employ knowledge of internet programming strategies to develop and maintain web applications, employ knowledge of web administration to develop and maintain web applications and create and implement a web product using a project management plan. At the

conclusion of the course, students will be required to test for Web Design Certification.

**PRACTICUM IN INFORMATION TECHNOLOGY - 4591**

12<sup>th</sup> Grade  
2 Semesters                                      1 Credit

*Prerequisite: Principles of Information Technology, Algebra I*

In the Practicum in Information Technology, students will gain advanced knowledge and skills in the application, design, production, implementation, maintenance, evaluation, and assessment of products, services, and systems. Knowledge and skills in the proper use of analytical skills and application of IT concepts and standards are essential to prepare students for success in a technology-driven society. The student will identify various employment opportunities in the IT field as well as apply academic knowledge and skills to research and develop projects. In this course, the students design, create, and implement a product or service that addresses a problem in the field of IT and incorporates the solution. At the conclusion of the course, students will be required to test for WD Certification.

**FOUNDATIONS OF CYBERSECURITY - 4596**  
9<sup>th</sup>-10<sup>th</sup> Grade  
2 Semesters                                      1 Credit

In the Foundations of Cybersecurity course, students will develop the knowledge and skills needed to explore fundamental concepts related to the ethics, laws, and operations of cybersecurity. Students will examine trends and operations of cyberattacks, threats, and vulnerabilities. Students will review and explore security policies designed to mitigate risks.

**COMPUTER MAINTENANCE - 4597**  
10<sup>th</sup>-12<sup>th</sup> Grade  
2 Semesters                                      1 Credit

*Prerequisite: Principles of Information Technology, Algebra I*

In Computer Maintenance, students will acquire knowledge of computer maintenance and creating appropriate documentation. Students will analyze the social responsibility of business and industry regarding the significant issues relating to the environment, ethics, health, safety, and diversity in society and in the workplace as related to computer

maintenance. Students will apply technical skills to address the IT industry and emerging technologies. The course includes a lab where students will apply learning in hands-on activities with computer equipment. At the conclusion of the course, students will be required to test for CompTIA A+ Certification.

### **COMPUTER NETWORKING - 4598**

*11<sup>th</sup>-12<sup>th</sup> Grade*

*2 Semesters*

*2 Credit*

*Prerequisite: Computer Maintenance*

In Networking, students will develop knowledge of the concepts and skills related to data networking technologies and practices in order to apply them to personal or career development. To prepare for success, students will have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. The course includes a lab where students will apply learning in hands-on activities with computer equipment. At the conclusion of the course, students will be required to test for CompTIA Network+ Certification.

### **COMPUTER INFORMATION TECHNOLOGY PRACTICUM - 4599**

*12<sup>th</sup> Grade*

*2 Semesters*

*2 Credit*

*Prerequisite: Computer Networking*

In this Practicum, students will gain knowledge and skills in the area of computer principles, and components related to the installation, diagnosis, service, and repair of computer-based technology systems through the Capstone Cybersecurity program. Students will reinforce, apply, and transfer their knowledge and skills to a variety of settings and problems. IT experience and product development may be conducted in a classroom setting with an instructor, with an industry mentor, or both. At the conclusion of the course, students will be required to test for Windows Desktop or Server Desktop MTA Certification.

## **Online Dual Credit Courses**

### ***Economics***

#### ***ECON 1301***

This is a dual credit version of the required economics credit for seniors. This is a one

semester course that satisfies the economics requirement for graduation and allows students a deeper dive into economic principles such as supply and demand curves and plotting micro and macro-economic trends.

### ***Speech Communications***

#### ***SPCH 1311***

This is a one semester course in professional communications. Students study a variety of different types of public speaking and deliver three original speeches. Students also study interpersonal communication as well as nonverbal communication.

### ***Sociology***

#### ***SOCI 1301***

Sociology is a one semester course that studies the behaviors of groups of people and social trends. This is a survey course that examines the works of pioneers in the field of sociology as well as modern sociological theory.

### ***Psychology***

#### ***PSYC 2301***

This is a one semester course that studies thought process and behaviors of individuals as well as theories of human motivation and behavior. This is a survey course that examines the works of pioneers in the field of psychology as well as modern psychological theory.

### ***Government Elective – State and Local Government***

#### ***GOVT 2306***

This one semester course follows the Dual Credit GOVT 2305 study of the federal government. Where GOVT 2305 earns required high school credit, GOVT 2306 is an elective that examines the structures, practices and responsibilities of state and local governments as well as how they collaborate within our federal system. The credit earned in this course is elective credit for high school, but this is a required course for all in-state two and four-year college degree plan.

SO WHERE DO YOU WANT TO GO?



WE'LL HELP YOU GET THERE!