



**WE
ARE 3R**



BRADEN RIVER HIGH SCHOOL

CURRICULUM GUIDE

2025 - 2026

General Information

Registration Guidelines

1. Review the Curriculum Guide and discuss course selections with your parents or guardians.
2. Write down any questions you have for your teachers and counselor.
3. Study the courses in the Curriculum Guide and review possible choices with your teachers as you meet with them during the second semester registration period.
4. The core academic courses will be based on teacher conversation and recommendations, course prerequisites and student interest.
5. Paying close attention to course requirements in the curriculum guide, select your elective courses and obtain the appropriate teacher approval/recommendation for any course that is marked with an asterisk (*).
6. Clearly indicate your 8 elective choices by ranking them in the priority order. Every effort is made to give you your top choices; however, if there is a scheduling conflict, alternate course selections must be made. **If you do not choose alternate courses, one or more will be selected for you and will not be changed at a later date.**
7. Ensure that you sign your Request Form. You will receive a copy of your form for your records.
8. Turn in your completed Request Form on or before the deadline to the designated person at school.
9. In April or May, students will receive a course verification sheet to make any final changes.

Course Cancellation

Braden River High School reserves the right to drop any course due to insufficient enrollment, lack of instructional materials, and/or teacher certification.

Change of Schedule

The registration process and the development of student schedules take place in the spring, at which time faculty and staff counsel students. The process includes input from students, parents, teachers, counselors, and administrators. The school's master schedule is built, and new staff is hired based on registration requests.

Students are expected to honor their commitments and complete the courses for which they register during the registration period. Therefore, schedule change requests will only be considered for the following reasons:

1. The student has already earned credit for the course.
2. The student has failed to meet the prerequisite for the course.
3. The student is scheduled for too many or not enough classes.
4. There was a clerical error.
5. The school administration receives a district directive regarding course progression.
6. Leveling classes to meet class size amendment may occur during the year per administration.

Dropping Courses

The student may NOT drop the course until the end of the semester and only if the following conditions exist:

- The student earned a semester grade of D or F.
- A parent conference is completed during each grading period.
- There is demonstration of the student seeking consistent academic assistance.
- Space availability exists in a comparable course.

Educational Fees

In some courses, there may be occasional requests for fees to provide educational enhancement. No student shall be denied the opportunity to participate fully in these classes because of an inability to pay. In such circumstances, please notify the teacher.

Enhanced Instruction for Non-Proficient Students

Student must earn a Level 3 or higher in reading and/or math on a standardized assessment within the last two or more consecutive years. Students who do not meet these criteria may be required to receive enhanced instruction through a course that will assist in building the student's skills and in mastering standards.

This document aligns with the Student Progression Plan for Manatee County and reflects courses offered and approved by the district and selected from the Florida Department of Education.

Graduation Requirements

To earn a standard diploma in Manatee County, a student must meet specific academic requirements that are set forth by the State of Florida. It is advised that students and parents review the chart on page 6 to be certain that they understand what is necessary for a student to successfully earn a high school diploma.

Physical Education (HOPE) High School Waiver Options

A student can waive the HOPE requirement in one of two ways:

1. Participation in two seasons of an interscholastic sport at the Junior Varsity or Varsity level.
2. Completion of two years in a Junior Reserve Officer Training Corps (JROTC) course. This will waive the full credit in HOPE and the full credit in performing arts.

Students must request a HOPE waiver from their high school counselor and must attain signatures from their high school counselor and the appropriate individuals before the HOPE waiver will be added to the transcript.

Achievement Levels

Courses are provided for each student's developmental level. A multilevel structure has been established to provide for these differences and to provide for individualized instruction. Honors, Dual Enrollment, and Advanced Placement courses are designed for the highly motivated student with above average achievement. Students must meet requirements as stated in the Manatee County Student Progression Plan to be placed in these courses. Courses are provided for each student's developmental level.

Grading Scale

The following is the current grading system for the Manatee County Schools for Grades 9-12: Classes designated as Honors/Advanced Pathways, Advanced Placement and certain Dual Enrollment courses will receive weighted grades according to the following grading scale:

Letter	Numerical	Quality Points
A	90-100	4
B	80-89	3
C	70-79	2
D	60-69	1
F	0-59	0

Weighted Courses

Classes designated as Honors/Advanced Pathways, Advanced Placement and certain Dual Enrollment courses will receive weighted grades according to the following grading scale.

Letter	AP/DE Quality Points	Honors Quality Points
A	5	4.5
B	4	3.5
C	3	2.5
D	2	1.5

Grade Forgiveness Policy

To assist students in achieving a cumulative, unweighted GPA of 2.0 on a 4.0 scale, students may replace a "D" or "F" if a grade of "C" or higher is earned subsequently in the same or comparable course. Only one grade and one credit may be earned for the same course. When a course is repeated, all grades appear on the student's transcript but only the replacement grade is calculated into the student's GPA. The only exception to this grade forgiveness policy is when a middle school student who earns a grade of "C" or lower in a high school credit course.

Report Cards

Students will receive both a letter grade and a numerical percentage for each nine-week period, for the semester exam, and for the final semester grade. Only the semester grade will appear on the student's transcript. Progress reports are issued at the midpoint of each grading period. Report cards will be electronically distributed four times each school year at the end of each nine-week grading period. Parents may access student grades through FOCUS. **Please refer to the school website for instructions on how to setup a Focus parent account.**

Testing

All assessment requirements are subject to change pending state legislation. Please refer to the FLDOE website:

<https://www.fldoe.org/accountability/assessments/>

State Assessments

Florida Standards Assessments are given to all students pursuing a high school diploma. There are two main types of Florida Standards Assessments: End-of-Course (EOC) Assessments are administered at the conclusion of specific high school courses such as Algebra 1, Geometry, Biology, and US History. English Language Arts (ELA) Assessments are administered to all 9th and 10th grade students once a year. If a student does not receive a passing score on the 10th grade FAST ELA, the retake assessment will be offered twice a year in 11th and 12th grade.

PSAT/NMSQT Testing

Every October students in grades 9, 10, and 11 will have the opportunity to register for the PSAT through Student Services. Students are encouraged to use the resources on the College Board's website (<https://collegereadiness.collegeboard.org/psat-nmsqt-psat-10>) to prepare for this test. A fee typically under \$20.00 is required. The State provides for all 10th graders to take the PSAT at no cost. Please note, only juniors are eligible for the National Merit and National Achievement Competitions through College Board.

SAT and ACT Testing

Students who would like to take the SAT and/or ACT are encouraged to register for the test online. Both the College Board and ACT websites provide test dates, registration deadlines and cost of testing. When registering for either test, students will need the CEEB code for Braden River High School which is 100083. SAT website: <https://collegereadiness.collegeboard.org/sat> ACT website: www.actstudent.org

Florida Virtual School (FLVS)

Students can earn credit each school year through Florida Virtual School. Students should be self-motivated and task-oriented to successfully complete the coursework. Visit the website at www.flvs.net for course and enrollment information. Once a student creates an FLVS account and requests a course, approval from the high school counselor is required to complete the registration process.

Manatee Virtual School (MVS)

Manatee Virtual School is available for full time K-12 students who attend a Manatee County school. MVS is a franchise of the Florida Virtual School and utilizes the FLVS curriculum with Manatee County teachers trained to instruct and monitor the virtual courses. MVS can be used for credit recovery, acceleration, or scheduling conflicts. For more detailed information, please visit the MVS website:

<https://www.manateeschools.net/MVS>

Florida Shines

Florida Shines provides a variety of online services for students from Florida's public high schools, colleges, and universities. Florida Shines' academic advising services make it easy for high school students to prepare for college and careers after graduation. They can explore Florida's college and university offerings (both traditional and distance learning programs), learn about financial aid, and apply for admission. Dual enrolled high school students and those in accelerated education programs can even access online library resources used within Florida's college and universities. For more information, visit www.floridashines.org.

Xello

Xello is an online program that fully engages every student in building skills, knowledge, and plans for future success. This program allows students to research what skills, classes, and degrees that different jobs may require. The Xello program is accessible for all School District of Manatee County students through their SSO.

Advanced Placement

Advanced Placement (AP) is the enrollment of an eligible student in a course offered by the Advanced Placement Program administered by the College Board. Postsecondary credit for an AP course may be awarded to students who score a minimum of 3 on a 5-point scale for the corresponding AP exam in accordance with the policies of receiving college or university. Students shall be exempt from the payment of any fees for AP courses in which they are enrolled, including fees for administration of the AP examination, regardless of whether the student achieves a passing score. Students requesting to take the AP exams for courses in which they are not currently enrolled must pay for the cost of the exam.

Braden River High School strongly recommends a student meet the following criteria to be eligible to participate in Advanced Placement courses; earn a 3.0 grade point average and have earned a level 3 or higher on the FAST/ELA, passed a nationally normed standardized test, or earn the required comparative/concordant score within the last two years to be eligible to participate in Advanced Placement. Students who request an AP course and meet the pre-requisite for the course are expected to uphold their year long commitment.

Students earning a “D” or “F” in an Advanced placement course at the end of the first semester may be withdrawn and scheduled into another course in the same subject area. All students interested in taking an AP course must complete the Advanced Studies contract with both student and parent signatures. This is due at the time of registration.

Advanced Placement Courses

Pre AP- English 1	Pre-Calculus	Biology	World History	Capstone Research	2D Art & Design
Pre AP- English 2	Calculus AB	Chemistry	US History	Capstone Seminar	Psychology
English Language	Calculus BC	Physics	US Government	Art History	Computer Science Principles
English Literature	Statistics		Human Geography	Music Theory	Spanish Language

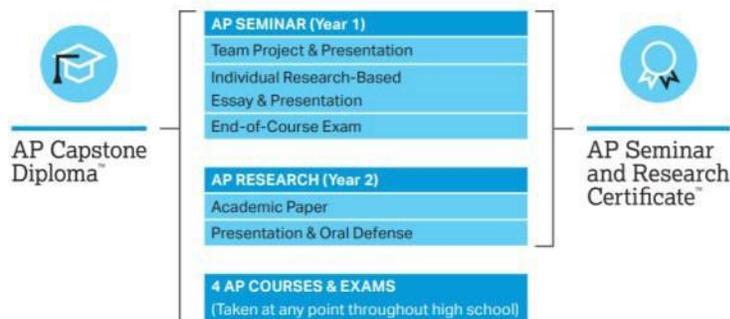
AP Capstone Diploma Program

Starting in the 2019-2020 school year, Braden River High School has been approved by the College Board to offer the AP Capstone Diploma program. The AP Capstone Diploma is an innovative diploma program that equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone students who have demonstrated outstanding college-level achievement in AP Seminar, AP Research, and four additional AP courses are recognized with this diploma.

Required AP Capstone Classes

AP Seminar – During this course, you will investigate a variety of topics through various viewpoints of your choice. You will also complete a team project and an individual paper and presentation, as well as take a written end-of-course exam.

AP Research – During this course, you will explore various research methods and complete an independent research project. Your project can build on a topic, problem, or issue you covered in AP Seminar or on a brand-new topic of your own choosing. At the end of the project, students will submit an academic paper and present and defend your research findings.



AP Capstone candidates stand out:

On college applications and essays because they demonstrate critical thinking, communication, and research skills associated with AP Capstone.

In college interviews because of the confidence, expertise, and passion they show when talking about their unique academic projects.

To college admissions officers, who recognize that AP Capstone students know how to build evidence-based arguments, apply research methods, work in teams, deliver professional presentations, and complete long-term academic projects.

For more information about the AP Program and the AP Capstone Diploma please visit:

<https://apcentral.collegeboard.org/courses/ap-capstone>

Dual Enrollment and Advanced Placement

The choice as to which, if any, college acceleration program one participates in is up to the student. Students, along with the help of parents, need to research the university(s) of their choice and see what the university will accept. Not every university will give the same credit for AP exam scores or Dual Enrollment courses. Some things that should be considered before making decisions are:

If applying to out of state schools or some of the highly selective in-state schools, it may be advantageous to take as many AP courses as possible.

If attending a community college after graduation, students may want to consider taking Dual Enrollment courses that meet the AA or AS degree requirements.

If applying to a four-year university that is moderately selective, a mixture of both Dual Enrollment courses and AP may be acceptable.

Comparison of Programs

Dual Enrollment	Advanced Placement
Instructors have a Master's Degree with 19 credit hours in content area.	Teachers are certified by College Board.
Students receive college credit if their final grade is "C" or higher.	Students receive college credit only by passing the standardized AP Exam.
College credit is accepted by the State University System with passing grade.	College credit acceptance by State University System is depended on AP exam score and major.

College Dual Enrollment

Dual Enrollment courses at the college level are courses for which a student may earn both college and high school credit. It is the responsibility of students to ensure that all required paperwork is completed accurately and thoroughly and submitted well in advance of the published deadlines. Students need to keep in mind that by enrolling in a dual enrollment course, they are establishing a college GPA. The grade earned in the course becomes a permanent part of their college transcript. Universities will consider a student's college GPA when making admission decisions.

University of South Florida – Sarasota/Manatee (USFSM)

The following are entry requirements for the University of South Florida:

1. A student has met the minimum 3.5 cumulative weighted high school GPA based on high school level academic classes. USF has the sole discretion to adjust the recalculation of GPA's.
2. A student has met the minimum standardized test score of the PERT, SAT, or ACT. SAT or ACT scores must be sent by the student directly to USF through their College Board or ACT account.
3. A student has submitted the non-degree seeking application through the USF website: <https://www.usf.edu/early-university-programs/dual-enrollment/>
4. A student has obtained the appropriate signatures and returned the Course Approval Form to the high school counselor.
5. A student has complied with the USF health and immunization policy and has sent over all required paperwork to the USF health office.

State College of Florida (SCF)

The following are entry requirements for the State College of Florida:

1. A student has met the minimum GPA requirement for the program of interest.
2. A student has met the minimum standardized test scores on the PERT, SAT, or ACT. SAT or ACT scores must be sent by the student directly to SCF through their College Board or ACT account.
3. A student has submitted the dual enrollment application through the SCF website: <https://www.scf.edu/admissions/early-college/>
4. A student has obtained the appropriate signatures and returned the Course Approval Form to their high school counselor.

The Braden River High School deadline to complete all steps for dual enrollment courses:

Fall 2025 – May 1, 2025

Spring 2026 – November 15, 2025

USF and SCF will not accept any applications, test scores, or approval forms after the BRHS deadline dates. Interested students need to contact their high school counselor well before these dates to ensure that the deadlines are met.

Manatee Technical College (MTC)

High school students may attend Manatee Technical College (MTC) as a dual enrolled student to obtain career and technical certifications. The following are entry requirements for high school career dual enrollment.

1. A student has met the minimum age requirement of 16 and will be in 11th grade at the start of the program.
2. A student has met the minimum 2.0 unweighted cumulative GPA and is on track for graduation.
3. A student has passed the 10th grade FAST reading and Algebra 1 EOC testing requirements set forth by the state of Florida.
4. A student has met satisfactory scores of the Basic Skills Exam offered at MTC if the exam is required for the specific program of interest.
5. A student has completed the MTC application. Please see your high school counselor for more information. Please visit MTC's website: <https://www.manateetech.edu/> for the most up to date information regarding course offerings and the application process.

National Collegiate Athletic Association (NCAA)

The initial eligibility standards for the college bound student athlete are different from general graduation requirements and can be more difficult. Please refer to the NCAA website: <https://www.ncaa.org/> for more information or contact the Athletic Director if you are considering playing athletics at the collegiate level.

Bright Futures Scholarship Program

The Florida Bright Futures Scholarship program consists of three scholarships funded through lottery dollars and awarded to eligible Florida high school graduates planning to continue their education at any eligible Florida post-secondary institution. Current eligibility requirements can be found on the following page. For the most current information on the program, visit the Bright Futures website at: <https://www.floridabrightfutures.gov/>

State University Admission Policies

Admission into Florida’s public universities is competitive. Acceptance is determined by enrollment limitations and qualifications of the freshmen applicant pool. It is recommended that prospective college students apply to more than one university and complete a rigorous curriculum in high school in effort to increase their chances for acceptance.

The minimum state level admission policies have been established for first time in college (FTIC) students and for undergraduate students transferring without an AA degree from a Florida College System Institution. Admission criteria include but is not limited to: 1. High school graduation with a standard diploma, 2. Minimum grade point average in high school academic course courses, 3. Minimum admissions test scores (ACT or SAT), 4. Course distribution requirements (see below). It is important to note; however, that *universities are permitted to set high admission standards and include other factors when making admission decisions.*

High School Course Distribution Requirements:

English	4	Social Science	3
Mathematics (Algebra 1 or Higher)	4	World Language (must be in the same language)	2 (3+recommended)
Natural Science	3	Electives	2

The quality of student grades and course selection are the most important factors students can control in preparation for college entrance. In general, the more selective a school or college, the more competitive students must be in terms of courses taken, level and grades earned. Please use the link below to understand what some of the state universities are looking for in terms of acceptance into their institution. Requirements are subject to change any time without notice.

https://issuu.com/fiupublications/docs/adm_sus_matrix_updates_2024_6429008373_issuu_08272

Florida College System (Community/State Colleges)

Florida’s 28 public colleges are open-access institutions. Students are not required to earn a minimum high school GPA or SAT/ACT score to be admitted. While some colleges within the system have dropped “community” from their name and others have added “state,” all colleges retain their open-door admissions policy for students seeking an associate degree. Failure to complete the college preparatory curriculum listed in the previous section does not preclude admissions to an institution; however, students who lack this preparation may need to take additional remedial courses after high school graduation and before enrollment in college-credit courses.

Graduation Requirements		
Subject Area	24 Credit Program	ACCEL Program/Diploma Designations
English/Language Arts (ELA)	4 credits in ELA 1, 2, 3, 4 ELA honors, AP AICE, IB and dual enrollment courses may satisfy this requirement (must pass the Grade 10 FSA/ELA common core assessment)	ACCEL Program (18 credits minimum)
		<ul style="list-style-type: none"> Physical Education is not required 3 elective credits Online course is not required All other graduation requirements for a standard diploma must be met.
Mathematics	4 credits, one of which must be Algebra 1 and one of which must be Geometry (Algebra 1 EOC results count 30% of the final course grade and must be passed to earn a standard diploma; Geometry EOC results count 30% of final course grade).	Scholar Designation
		In addition to meeting the standard high school diploma requirements:
Science	1 credit in Biology 1 (Biology EOC results count 30% of the final course grade) 2 credits in equally rigorous science courses 2 of the 3 required science credits must have a laboratory component	<ul style="list-style-type: none"> 1 credit in Algebra 2 1 credit in Statistics or an equally rigorous mathematics course Pass the Biology 1 EOC Assessment 1 credit in Chemistry or Physics 1 credit in a course equally rigorous to Chemistry or Physics Pass the U.S. History EOC Assessment 2 credits in the same world language Earn at least one credit in AP, IB, AICE or a dual enrollment course.
Social Studies	<ul style="list-style-type: none"> 1 credit in World History 1 credit in U.S. History (U.S. History EOC results count 30% of the final course grade) .5 credit in U.S. Government .5 credit in Economics (must include financial literacy) 	
World Languages	Not required for high school graduation, but required for admission into state universities	
Fine and Performing Arts, Speech and Drama, or Practical Arts	1 credit in fine or performing arts, speech and debate, or practical arts (eligible courses specified in the Florida Course Code Directory)	Merit Designation
Physical Education	1 credit in physical education to include the integration of health (HOPE)	In addition to meeting the standard high school diploma requirements: <ul style="list-style-type: none"> Attain one or more industry certifications from the list established under section 1003.492, Florida Statutes (F.S.)
Industry Certification	Not required	
Electives	8 credits	
Grade Point Average (GPA)	Cumulative GPA of 2.0 on a 4.0 scale	
Special Notes: EOC - End of Course Assessment; AP - Advanced Placement; AICE - Advanced International Certificate of Education; IB - International Baccalaureate.		

The School District of Manatee County does not tolerate discrimination or harassment on the basis of race, sex, sexual orientation, color, religion, age, national origin, or disability. The district has designated the Director of Student Services to facilitate the district's compliance with federal nondiscrimination laws. Written complaints of discrimination or harassment may also be filed with:

Human Resources

Department School District of Manatee County

P.O. Box 9069, Bradenton, FL 34206



Academic Advisement

Students Entering Grade 9 in 2023-2024 and Thereafter

What Students and Parents Need to Know

What options lead to a standard diploma?

Successful completion of one of the following options:

- 24 credits
- Advanced International Certificate of Education (AICE) curriculum
- International Baccalaureate (IB) curriculum
- 18-credit Academically Challenging Curriculum to Enhance Learning (ACCEL)
- Career and Technical Education (CTE) Pathway (See section [s.] [1003.4282](#), Florida Statutes [F.S.])

What are the state assessment requirements?

Students must pass the following statewide assessments:

- Grade 10 English Language Arts (ELA) or a concordant score
- Algebra 1 end-of-course (EOC) or a comparative score

A waiver of assessment results is granted by the Individual Educational Plan (IEP) team for students with disabilities. Additionally, students who have been enrolled in an English for Speakers of Other Languages (ESOL) program for less than two years may meet the requirement for grade 10 ELA by satisfactorily demonstrating grade level expectations of formative assessments.

Refer to [Graduation Requirements for Florida's Statewide Assessments](#) for concordant and comparative scores.

Students enrolled in the following courses must participate in the corresponding EOC assessment, which constitutes 30 percent of the final course grade¹:

- Algebra 1
- Geometry
- Biology
- U.S. History

¹Special note: Thirty percent not applicable if not enrolled in the course but passed the EOC (Credit Acceleration Program [CAP]). (See s. [1008.22](#), F.S.)

What is the difference between the 18-credit ACCEL option and the 24-credit option?

- 2.5 elective credits instead of 7.5
- Physical Education is not required

What is the difference between the CTE Pathway option and the 24-credit option?

- At least 18 credits are required
- 3.5 elective credits instead of 7.5
 - 2 credits in CTE courses, must result in a program completion and industry certification
 - 1.5 credits in work-based learning programs; Physical Education is not required
- Fine and Performing Arts, Speech and Debate, CTE or Practical Arts is not required

24-Credit Standard Diploma Requirements

Available To All Students, Including Students With Disabilities

4 Credits ELA
<ul style="list-style-type: none"> • ELA 1, 2, 3, 4 • ELA honors, Advanced Placement (AP), AICE, IB and dual enrollment may satisfy this requirement
4 Credits Mathematics*
<ul style="list-style-type: none"> • One of which must be Algebra 1 and one of which must be Geometry • Industry Certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra 1 and Geometry) ** • An identified computer science*** credit may substitute for up to one mathematics credit (except for Algebra 1 and Geometry)
3 Credits Science*
<ul style="list-style-type: none"> • One of which must be Biology, two of which must be equally rigorous science courses • Two of the three required course credits must have a laboratory component • Industry Certifications that lead to college credit may substitute for up to one science credit (except for Biology)** • An identified computer science*** credit may substitute for up to one science credit (except for Biology)
3 Credits Social Studies
<ul style="list-style-type: none"> • 1 credit in World History • 1 credit in U.S. History • 0.5 credit in U.S. Government • 0.5 credit in Economics
0.5 Credit in Personal Financial Literacy****
1 Credit Fine and Performing Arts, Speech and Debate, Career and Technical Education, or Practical Arts*
1 Credit Physical Education*
<ul style="list-style-type: none"> • To include the integration of health
7.5 Elective Credits
Students must earn a 2.0 unweighted grade-point average (GPA) on a 4.0 scale for all cohort years and pass statewide, standardized assessments.

*Eligible courses are specified in the [Florida Course Code Directory](#).
 **[Industry certifications](#) for which there is a statewide college credit articulation agreement approved by the State Board of Education may substitute for mathematics and science credit.
 ***A computer science credit may not be used to substitute for both a mathematics and science credit.
 ****This requirement was added for students entering grade nine 2023-2024 and thereafter.

More information regarding graduation requirements, diploma designations, the Florida College System, and all other inquiries relating to academics can be found on the Florida Department of Education’s website. www.fldoe.org

**Braden River High
School Four Year
Academic Plan**

Student Name: _____

Graduation Year: _____

Subject Area	Credits Required	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Language Arts	4				
Mathematics	4 Must Include Algebra 1 & Geometry				
Science	3 Must Include Biology				
Social Studies	3				
Practical Arts or CTE Course	1				
HOPE	1 Or have a Sports/JROTC Waiver				
Electives	8 – 12 th Grade 7.5- 9 th , 10 th , 11 th				
Personal Financial Literacy	0.5 – 9 th , 10 th , & 11 th Grade				
Total	24				

***All students must pass the 10th grade FAST Reading and the Algebra 1 EOC* NOTES:**

BRIGHT FUTURES SCHOLARSHIP PROGRAM FOR THE GRADUATING CLASS OF 2026

Scholarship Name	Florida Academic Scholars Award (FAS)	Florida Medallion Scholars Award (FMS)	Florida Gold Seal Vocational Scholars Award (GSV)	Florida Gold Seal CAPE Scholars (GSC)
Grade Point Average (GPA)	3.5 weighted GPA using the credits listed below	3.0 weighted GPA using the credits listed below	3.0 weighted GPA using the credits listed below and a 3.5 unweighted GPA in three vocational courses	High School Diploma and Completion of Associate or Science/Applied Science
Criteria for Bright Futures eligibility includes an unrounded, weighted high school GPA (calculated to two decimal places). The following courses are weighted as 0.25 per semester course or 0.50 per yearlong course in the calculation of the GPA: Advanced Placement (AP), Honors, or academic Dual Enrollment. For example, an "A" equals 4 quality points for an unweighted course and an "A" would equal 4.50 quality points for a weighted course.				
Required Credits	<p>Courses must include 16 credits of college preparatory academic courses.</p> <p>4 English 4 Mathematics (Algebra I and above) 3 Natural Science 3 Social Science 2 Foreign Language (sequential in the same language)</p> <p>16 Credits May use up to 2 additional courses listed above and/or AP, IB, or AICE fine arts courses to raise the GPA</p>	<p>Courses must include 16 credits of college preparatory academic courses.</p> <p>4 English 4 Mathematics (Algebra I and above) 3 Natural Science 3 Social Science 3 Social Science 2 Foreign Language (sequential in the same language)</p> <p>16 Credits May use up to 2 additional courses listed above and/or AP, IB, or AICE fine arts courses to raise the GPA</p>	<p>Credits must include 16 core credits required for graduation.</p> <p>4 English 4 Mathematics (including Algebra I) 3 Natural Science 3 Social Science 1 Fine or Practical Art 1 HOPE</p> <p>16 Credits Plus, a minimum of 3 Career and Technical Education credits in one vocational program.</p>	Earn a minimum of 5 postsecondary credit hours through CAPE industry certifications which articulate for college credit
Community Service	100 Hours	75 Hours	30 Hours	30 hours
Paid Work Hours	100 Hours	100 Hours		
Students must earn either the required volunteer service OR paid work hours, but not a combination of both				
Test Scores	<p>SAT - 1330 (Critical Reading and Math sections only)</p> <p>OR</p> <p>ACT -29 (Best composite score excluding the writing section) CLT – 95 (Overall Score)</p>	<p>SAT - 1190 (Critical Reading and Math sections only)</p> <p>OR</p> <p>ACT -24 (Best composite score excluding the writing section) CLT – 82 (Overall Score)</p>	<p>SAT Reading 24 Writing/Language 25 Math 24</p> <p>OR ACT English 17 Reading 19 Math 19</p> <p>OR PERT Reading 106 Writing 103 Math 114</p>	No testing requirements
The Florida Legislature is authorized to change eligibility and funding requirements at any point. Students may apply for this scholarship program beginning on October 1st of their senior year. For the most updated requirements and additional detail about these awards, please refer to the Bright Futures Handbook at https://www.floridastudentfinancialaidsg.org/SAPBFMAIN/SAPBFMAIN .				
Additional Info	<p>In addition to completing the Initial Student Florida Financial Aid Application, it is also strongly recommended that students submit a complete, error-free Free Application for Federal Student Aid (FASFA).</p> <p>The FASFA form should only be completed online at https://studentaid.ed.gov/sa/fafsa.</p>			

Course Descriptions

English & Language Arts

Intensive Reading

1000412/14/16/18

Gr. 9-12

FAST Reading scores determine placement in reading class.

English 1

11001310

Gr. 9

This course aligns with BEST standards inspiring students to read, write, research, and share knowledge gained. English 1 involves the analysis of a wide range of literature and informational texts for key ideas and details, as well as author's craft and purpose. Students are expected to write for a variety of purposes, demonstrating the ability to integrate concepts from multiple texts into synthesized, original work.

Pre-AP English 1

1001415

Gr. 9

Pre-AP English 1 focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future high school and college course work. Texts take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to create complex sentences-building this foundational skill in route to sophisticated, longer-form analyses. This course is vertically aligned to the practices embedded in high school and college English courses, including AP. This gives students multiple opportunities to prioritize and strengthen key literacy skills throughout their course of study. **Prerequisite: Mastery (levels 3-5) on the most recent FAST reading test and teacher recommendation.**

English 2

1001340

Gr. 10

This course features an environment where, through World Literature, students continue to grow as processors of complex text as expected through BEST standards. Heavier emphasis is placed upon analysis of wide-ranging literature and informational texts for key ideas and details, as well as for author's craft and purpose. Students are expected to write for a variety of purposes, demonstrating the ability to integrate concepts from multiple texts into synthesized, original works of research.

Pre-AP English 2

1001416

Gr. 9-10

Pre-AP English 2 builds on the foundations of upper-level English 1 courses. The course requires students to apply advanced practices to a new array of nonfiction and literacy texts. As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion. This course is vertically aligned to the practices embedded in high school and college English courses, including AP. This gives students multiple opportunities to prioritize and strengthen key literacy skills throughout their course of study. **Prerequisite: Mastery (level 3-5) on the most recent FAST reading test and teacher recommendation.**

English 3

1001370

Gr. 11

This course focuses on the American literary journey, involving the chronological study of works from various genres. Students will continue to refine skills developed in English 2, magnifying their abilities to analyze texts critically. Through active reading, participation in peer study groups, listening critically and posing questions, conducting research projects,

creating multi-media presentations, and engaging in all stages of the writing process, students will foster an understanding of the connection between culture and our history.

AICE General Paper

1009400

Gr. 10-12

The purpose of this course is to encourage students to make cross-curricular links to develop a maturity of thought appropriate to students at this level and to achieve an understanding and usage of the English language. These skills enable them to express arguments, ideas, and opinions in a reflective and academic manner. An awareness of the wider implications of issues will enhance the quality of the students' responses to the questions. General Paper is not a test of general knowledge. The key objective is for students to convey information and/or opinions in a way that is thoughtful, perceptive, and intelligible to the reader. Students take the AICE Exam for a chance to earn college credit.

AP English Language and Composition

1001420

Gr. 11

This is a rigorous college level course, designed for students who intend to pursue post-secondary studies at a four-year university and beyond. Students who pass the national examination in May have the opportunity to earn college credit. Advanced Placement English Language and Composition focuses on both fiction and non-fiction written in a variety of periods, disciplines, and rhetorical contexts. The objective of this course is to help students become more flexible writers, proficient in a variety of models. Through extensive practice, students will become skilled in analyzing the balance of author's purpose, audience, and subject matter as revealed through diction, syntax, and tone. Students can expect approximately 5 hours per week of work outside of class. **Prerequisite: Teacher recommendation.**

DE Written Communications 1

ENC 1101

Gr. 11-12

A college level writing course that focuses on the development of essay form, including instruction and practice in expository writing. Emphasis on clarity of central and supporting ideas, adequate development, logical organization, coherence, appropriate citing of primary and/or secondary sources, and grammatical and mechanical accuracy. Gordon Rule course in which the student is required to demonstrate college-level writing skill through multiple assignments. Minimum grade of C required in ENC 1101 is used to satisfy Gordon Rule and general education requirements. Prerequisite: Must satisfy all current Dual Enrollment admission criteria and requirements including test scores and GPA.

****May be paired with ENC 1102****

DE Written Communications

ENC 1102

Gr. 11-12

Application of skills learned in ENC 1101. Emphasis on style; use of library; reading and evaluating available sources; planning, writing, and documenting a short research paper. Gordon Rule course in which the student is required to demonstrate college-level writing skills through multiple assignments. Minimum grade of C required if ENC 1102 is used to satisfy Gordon Rule and general education requirements. **Prerequisites: Must satisfy all current Dual Enrollment admission criteria and requirements including test scores and GPA.**

English 4 College Prep

1001405

Gr. 12

This course focuses on the British literary journey, involving the study of works from various genres, in addition to a variety of informative texts. Student expectations include grade-level writing craft and in-depth reading and analysis of informational selections. This course prepares students for successful completion of Florida college English courses.

AP English Literature and Composition

1001430

Gr. 12

This is a rigorous college level course, designed for students who intend to pursue post-secondary studies at a four-year university and beyond. Students who pass the national examination in May have the opportunity to earn college credit. AP English Literature and Composition emphasizes the in-depth examination of novels, poetry, and major dramatic works.

Students are expected to mature in their abilities to produce competent written analyses of a variety of texts, focusing on historical, cultural, psychological, and social contexts. Close scrutiny of figurative language and rhetorical devices will be emphasized, relative to purpose and tone. Students can expect approximately 5 hours per week of work outside of class.

Prerequisite: Teacher recommendation.

English for Speakers of Other Languages

English 1 through ESOL	1002300	Gr. 9
English 2 through ESOL	1002310	Gr. 10
English 3 through ESOL	1002320	Gr. 11
English 4 through ESOL	1002520	Gr. 12

These courses provide instruction to speakers whose first language is not English. The main goal of these courses is the acquisition of the English communication skills needed for success in an academic setting. Emphasis will be placed on literature, writing skills, and English grammar. These courses will meet graduation requirements for English 1 through 4.

Prerequisite: Teacher approval

English Language Development

1002380 **Gr. 9-12**

The purpose of this course is to provide instruction to native speakers of a language other than English in developmental language arts skills, including reading, writing, listening, and speaking. The main goal of the course is the acquisition of more integrated English communication skills. This course can be scheduled with the ESOL Listening/Speaking courses for students with LAS level1. **Prerequisite: Teacher approval**

Mathematics

Algebra 1A

1200370 **Gr. 9**

Test scores determine placement in math class.

Algebra 1B

1200380 **Gr. 10**

Test scores determine placement in math class.

Algebra 1

1200310 **Gr. 9-10**

Sets, variables, structure and properties of the real number system, first-degree equations/inequalities, relations and functions, graphs, systems of linear equations/inequalities, integral exponents, polynomials, factoring, irrational numbers, radical expressions, quadratic equations, and application problems.

Geometry

1206310 **Gr. 9-11**

Emphasis on critical thinking involving the discovery of relationships and their proofs and skill in applying deductive method to mathematical situations, logic and reasoning, Euclidean geometry study of lines, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons and circles, area and volume and constructions. **Prerequisite: Algebra 1**

Geometry Honors

1206320

Gr. 9-10

In-depth study of geometry with emphasis on the formal language of mathematics: structure of geometry, separation properties, angle concepts, triangles, quadrilaterals, proofs, perpendicularity, and parallelism in a plane and in space, similar polygons, circles and spheres, constructions, area and volume, coordinate geometry, topology and transformational geometry. **Prerequisites: Teacher recommendation and passing score on Algebra 1 EOC.**

Algebra 2

1200330

Gr. 9-12

Continuing study of structure of algebra and foundation of application of these skills to other mathematical and scientific fields, review and extension of structure and properties of real number system, relations, functions and graphs, polynomials and rational expressions, quadratic equations and inequalities, polynomial functions, rational and irrational exponents, logarithms, complex numbers, application problems in most areas. **Prerequisites: Teacher recommendation, possible skills test required; A in Algebra 1 both semesters or B or higher in both semesters Algebra 1 Honors.**

Algebra 2 Honors

1200340

Gr. 9-12

Algebraic structure, first-degree equations in one and two variables solved algebraically and graphically, systems of equations and inequalities, functions and relations, polynomials and rational expressions, exponents and radicals, logarithms, complex numbers, conic sections, polynomial equations, sequences and series, permutations, combinations and probability, matrices (all as an in-depth study with emphasis on theory, proof, and development of formulas, as well as their application). **Prerequisites: Teacher recommendation, Level 4 or 5 on Algebra EOC.**

Math for College Algebra

1200700

Gr. 10-12

This course is recommended for students whose test scores on the Postsecondary Educational Readiness Test (P.E.R.T.) are at or below the established cut scores for mathematics, indicating that they are not yet “college ready” in mathematics or simply need some additional instruction in content to prepare them for success in college level mathematics. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses. **Prerequisite: Students who have taken Geometry.**

Math for Data & Financial Literacy (H)

1200384

Gr. 10-12

This course will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and long-term loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions. **Prerequisite: Completion of Algebra 2 and teacher recommendation.**

Probability & Statistics Honors

1210300

Gr. 10-12

The purpose of this course is to explore the concepts of probability, statistics, and hypothesis testing. The content will include, but not be limited to the following: binomial distribution, concepts of descriptive statistics, concepts of nonparametric statistics, hypothesis testing, measures of central tendency, sampling theory, combinations and permutations, concepts of inferential statistics, the normal distribution, correlation and regression, and randomness. **Prerequisites: Completion of Algebra 2 and teacher recommendation.**

Discrete Math Honors

1212300

Gr. 10-12

In Discrete Mathematics Honors, instructional time will emphasize five areas: (1) extending understanding of sequences and patterns to include Fibonacci sequences and tessellations; (2) applying probability and combinatorics; (3) extending understanding of systems of equations and inequalities to solve linear programming problems; (4) developing an understanding of Graph Theory, Election Theory and Set Theory and (5) developing an understanding of propositional logic, arguments and methods of proof. **Prerequisites: Algebra 1 EOC Score Level 3; Algebra 2 or Algebra 2 Honors and Teacher recommendation.**

DE College Algebra

MAC1105

Gr. 10-12

The course is designed for students who have completed Algebra II who do not feel strong enough to take pre-calculus. The content includes the study of polynomial and rational functions, exponential and logarithmic functions, and trigonometric and circular functions. Some probability and statistics may also be included. **Prerequisites: Algebra 2 with a B or better and teacher recommendation. Must satisfy all current Dual Enrollment admission criteria and requirements including test scores and GPA.**

**** Paired with Discrete Math Honors a non-Dual Enrollment course****

DE Probability & Statistics

STA2023

Gr. 10-12

The purpose of this course is to explore the concepts of probability, statistics, and hypothesis testing. The content will include, but not be limited to the following: binomial distribution, concepts of descriptive statistics, concepts of nonparametric statistics, hypothesis testing, measures of central tendency, sampling theory, combinations and permutations, concepts of inferential statistics, the normal distribution, correlation and regression, and randomness. **Prerequisites: Completion of Algebra 2 with a B or above and teacher recommendation. Must satisfy all current Dual Enrollment admission criteria and requirements including test scores and GPA.**

****Paired with Probability & Statistics Honors a non-Dual Enrollment course****

AP Pre-Calculus

1202305

Gr. 10-12

AP Precalculus centers on functions modeling dynamic phenomena. This exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types including polynomial, rational, exponential, logarithmic, trigonometric, and polar functions, through multiple representations (e.g., graphical, numerical, verbal, analytical), and their applications. **Prerequisites: A in Algebra 2 Honors both semesters, B or higher in College Algebra, teacher recommendation.**

AP Calculus AB

120310

Gr. 11-12

Properties and derivatives of algebraic, trigonometric, exponential and logarithmic functions, concept of limits to functions, derivatives of the inverse of a function, relationship between differentiability and continuity, application of derivatives to find the slope of a curve and tangent and normal lines to a curve, increasing and decreasing functions, relative and absolute maximum and minimum points, concavity and points of inflection, finding anti derivatives and applying them to solve problems related to motion of bodies, techniques of integration, finding approximation to definite integrals using rectangles, finding the area between curves and the volume of a solid of revolution. **Prerequisites: A in Pre-Calculus and teacher recommendation.**

AP Calculus BC

1202320

Gr. 11-12

Calculus BC is the equivalent of Calculus 2 in college. While reviewing topics covered in Calculus AB, additional topics being studied are Parametric, Polar, and Vector functions; Euler's Method for Differential Equations; L'Hospital's rule for limits; Applications of Integrals; further Integration techniques; Improper Integrals; and a study of Polynomial Approximations and Series. **Prerequisites: Successful completion of Calculus AB and teacher recommendation.**

Science

Agriscience Foundations*

8106810

Gr. 9-12

Development in the areas of agricultural history, global importance of agriculture, career opportunities, applied scientific and technical concepts, ecosystems, agriculture safety, pest management, principles of plant growth, management principles, agriculture marketing, and human-relations skills. **All students that are starting an agriculture program and interested in the Gold Seal Scholarship Award must begin with the Agriscience Foundation course. This course counts as a science credit or an elective credit.**

Environmental Science

2001340

Gr. 9

Environmental science is the study of organisms and processes in the natural world and their modification by human activity. Students will study current environmental problems in context of the physical, biological and chemical processes that are often the basis of those problems. This course will provide the skills necessary to address the environmental issues we are facing today by examining scientific principles and the application of those principles to natural systems. This course will survey some of the many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet.

Biology 1

2000310

Gr. 9-11

Scientific method and measurement, lab safety, cell biology and reproduction, basic principles of genetics, evolution, classification and taxonomy, microbiology, structure and function of plants and animals, structure and function of the human body, ecological relationships.

Biology 1 Honors

2000320

Gr. 9-10

Scientific method and measurement, lab safety, biochemistry, cell biology and reproduction, genetics, evolution, classification and taxonomy, microorganisms and disease, structure and function of plants and animals, human anatomy and physiology, ecological relationships. **Prerequisite: Mastery (levels 3-5) on the most recent FAST reading test and a grade of B or higher in current honors science course and teacher recommendation.**

Chemistry 1

2003340

Gr. 10-12

Classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, physical changes, acids, bases and salts, energy associated with physical and chemical changes. **Prerequisites: level 3 or higher on the Algebra 1 EOC or a concordant score on an acceptable standardized math test and level 3 on the most recent FAST reading test.**

Chemistry 1 Honors

2003350

Gr. 10-12

Heat, changes of matter, atomic structure, periodic table, bonding, formulas and equations, mole concept, gas laws, energy and order, reaction rates and equilibrium, solutions: acids, bases, salts, nuclear chemistry, electrochemistry, organic chemistry. **Prerequisites: Mastery (levels 3-5) on the most recent FAST reading test and 86% B or better in both semesters of Biology 1 Honors and 86% B or higher in both semesters of Algebra 1 Honors and level 3 or higher on the Algebra 1 EOC or a concordant score on an acceptable standardized test.**

Chemistry 2 Honors

2003360

Gr. 11-12

This course will allow students to proceed in their science path through a more in-depth study of Chemistry, focusing on objectives not covered in Chemistry 1 or Chemistry 1 Honors. This course will be an option for students wishing to better prepare for AP Chemistry or AP Biology. Quarter 1 will review Chemistry 1 material: stoichiometry, oxidation/reduction, organic and nuclear chemistry. Quarters 2-4 will allow for an in-depth student of equilibrium, thermochemistry, Acids/Bases, redox and Organic Chemistry. Good laboratory skills are essential. A lab donation will be requested to help finance laboratory activities. **Prerequisite: A in Chemistry 1 or B or higher in Chemistry 1 Honors and teacher recommendation.**

Marine Science 1

2002500

Gr. 10-12

This course covers scientific method, safe and effective use of laboratory instruments, geography of the seas, marine geological features, anatomy, physiology, and behavior of major groups of marine organisms, ecological chains, webs and cycles in the marine community, ways in which man benefits from the marine community, chemical and physical properties of ocean waters, the relationship between oceans and climate, and interaction of oceanography with technology & society. Dissections are a required part of this course.

Marine Science I Honors

2002510

Gr. 10-12

This course covers interdisciplinary sciences and the impact on society while properly utilizing the scientific method, safe and effective use of laboratory procedures. Topics include but are not limited to: Physical aspects: geography and geological features, properties of water, the ocean's relationship to climate and severe weather. Biological aspects: anatomy, physiology and behavior of major groups of marine organisms, ecological chains, webs and cycles in the marine community, ways in which man benefits from the marine community. The importance of the advancement of the marine world through technology. **Prerequisites: C or higher in both semesters of Biology 1 Honors or Biology level 3 or higher on the Algebra 1 EOC or a concordant score on an acceptable standardized math test.**

Anatomy and Physiology

200250

Gr. 11-12

Anatomy and Physiology Honors

2000360

Gr. 11-12

Cellular processes and tissues, the skeletal, muscular, nervous, cardiovascular, respiratory, digestive, urinary and reproductive systems and special senses, laboratory investigations of selected content topics, scientific method measurement, laboratory apparatus and safety. **Prerequisites: Level 3 or higher on the most recent FAST reading test and one of the following: A in both semesters of Biology 1 and B or higher in both semesters of Chemistry I; or C or better in both semester of Biology 1 Honors and Chemistry 1 Honors or science teacher recommendation. Students may enroll in the course if they meet the Biology prerequisite and are concurrently enrolled in Chemistry.**

Physics 1

2003380

Gr. 11-12

A conceptual survey of kinematics, dynamics, energy, work and power, heat and thermodynamics, wave characteristics, light, electricity, magnetism, nuclear physics, and sound. This is a math-intensive course. Prerequisites: B or higher in Algebra 1 and Geometry and student passed Algebra 1 EOC.

Physics 1 Honors

2003390

Gr. 11-12

A more rigorous college preparatory conceptual survey of kinematics, dynamics, energy, work and power, heat and thermodynamics, wave characteristics, light, electricity, magnetism, nuclear physics, and sound. This is a math-intensive course. **Prerequisites: Mastery (levels 3-5) on the most recent FAST Reading test and B or higher in Geometry Honors.**

Advanced Placement Science Courses

AP science classes at Braden River High School are activity and inquiry driven. Class time is spent on discussion, lab activities, data analysis and processing, and other activities that promote student inquiry. Utilizing a variety of videos and interactive lessons, instruction that used to occur in class is now completed independently in preparation for class. Class becomes the place to work through problems, discuss advanced concepts, and engage in collaborative learning. This allows the instructor to make best use of the scarcest learning resource: time. Typical lecture-driven instruction is minimized, and the students take ownership of their own learning outside of the classroom through a variety of activities, including written assignments, readings, videoed lectures and other self-guided activities. This provides advanced students more freedom to learn independently. You are advised NOT to sign up for AP science classes unless you are organized, disciplined, and have excellent study habits.

AP Biology

2000340

Gr. 10-12

The AP Biology course is equivalent to a two-semester college introductory biology course. AP Biology includes an in-depth investigation into the chemical basis of life including biochemistry, cellular processes, cellular energetics, cell communication, genetics, evolution, and ecology. The AP Biology course is designed to enable you to develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The AP Biology course is rigorous, and the AP Biology exam is difficult. Students will be expected to recall biology knowledge from Honors Biology while integrating more complex aspects of living systems. There is a multiple choice and free response section of the AP Biology exam, unit tests will incorporate both and tests will be timed for students to learn appropriate test pacing skills. Good test taking skills, homework, laboratory and mathematical work is required and expected. **Prerequisites: Mastery (levels 3-5) on the most recent FAST reading test and Algebra 1 EOC, an A in Biology 1 Honors and a recommendation from current science teacher; and enrolled in or completed Algebra 2. Students will be expected to take the AP exam.**

AP Chemistry

2003370

Gr. 11-12

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year for students with a science or science related major. This correlates to General Chemistry 1 and General Chemistry 2 with the lab components or course codes CHM 2045C, CHM 2045L, CHM 2046C, and CHM 2046L at universities in Florida. Topics include the 6 Big Ideas of Chemistry as defined by College Board which are structure of matter, chemical bonding and reactions, intermolecular forces, kinetics, thermodynamics, and chemical equilibria. A strong emphasis is also placed on the 7 science practices as defined by College Board. Lab work is a major component of this course. Students will be expected to complete all 16 inquiry-based laboratory assignments as well as other quick-labs and activities and submit their findings in formal and informal lab reports that are written at home. Students will take quizzes and/or unit tests weekly with strict time constraints. At home study is typically 7-10 hours per week depending on the topics covered. **Prerequisites: Mastery (levels 3-5) on the most recent FAST reading test and A in Chemistry 1 Honors and an A in Biology 1 Honors (or level 4 or 5 on the Biology EOC) and B or better in both semesters of Algebra 2. Students will be expected to take the AP exam. NOTE: Students who select this course must select an alternate course and write it in the margin of the registration sheet in case this course is not offered.**

AP Environmental Science

2001380

Gr. 10-12

The AP Environmental Science course provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. **Prerequisites: Mastery (levels 3-5) on the most recent FAST reading test (or science teacher recommendation), a passing score on the Algebra 1 EOC or a concordant score on an acceptable standardized math test, and C or better in both semesters of Biology Honors or B in both semesters of Biology 1. Students will be expected to take the AP exam. NOTE: If a student has not received a score on the EOC, he/she must have a grade of C or higher in both semesters of Algebra 1 Honors or B in both semesters of Algebra 1 at the time of registration.**

AP Physics 1

2003421

Gr. 11-12

AP Physics is the equivalent to a first-semester college course in algebra- based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. **Prerequisites: B in Algebra 2 Honors (both semester) or B or higher in Math Analysis, Advanced Topics (both semesters) or College Algebra.**

Social Studies

World Cultural Geography

2103300

Gr. 9

This course is the study of people, places, and possibilities around the world. It is a passport to discovering the mysteries, culture, traditions, and differences among groups of people. Information is used to promote increased cultural tolerance and ethnic sensitivity, as we analyze the triumphs and the tragedies of other countries and civilizations to improve our own lives. Students use geographic and cultural themes to achieve perspective and focus in an ever-changing world and to compete and contribute in a more global society in the 21st century.

Personal Financial Literacy

2102371

Gr. 9

This course consists of the following content area and literacy strands: Economics, Financial Literacy, Mathematics, Languages Arts for Literacy in History/Social Studies and Speaking and Listening. Basic economic concepts of scarcity, choice, opportunity cost, and cost/benefit analysis are interwoven throughout the standards and objectives. Emphasis will be placed on economic decision- making and real-life applications using real data.

AP Human Geography

2103400

Gr. 9

The purpose of the AP Human Geography course is to develop an understanding of patterns and processes that have shaped human understanding, use, and alterations of our Earth. The course is to be focused on various units of study; i.e. culture, language, religion, politics, agriculture, etc. The goals of the course are to develop the understanding of factual knowledge and the analytical skills necessary to express that understanding through writing. **Prerequisite: Students must receive teacher recommendation. For additional information, refer to the handout provided by BRHS counselors to the middle schools. A Level 3 or higher on your most recent FAST reading test or have earned the required comparative/concordant score within the last 2 years.**

World History

2109310

Gr. 10

This course will study the following topics: Geo-historic development in time-space, comparative views of history, the origin and development of contrasting civilizations, an analysis of cultural universals, the role of religion in historical change, the varieties of contrasting political theories and philosophies, the role of science and technology as a social catalyst, nationalism as a cohesive force in history, the diversity of economic thought and practices in the world, an analysis of the influence of the major figures and events, interpretations concerning the historical development of our present world order.

World History Honors

2109320

Gr. 10

Prerequisite: Teacher recommendation.

AP World History

2109420

Gr. 10

The purpose of the AP World History course is to develop an understanding of how human interactions have impacted global history. This understanding is advanced through factual knowledge and analytical skills. The course will focus on

world events from 1200 CE to the present. The goals of the course are to develop understanding through interpretation of historical evidence, periodization, change and continuity, and an ability to express understand through writing.

Prerequisite: Students must earn an A in English 1 or B or higher in English 1 Pre-AP, C or higher in AP Human Geography and teacher recommendation; A Level 3 or higher on your most recent FAST Reading test or have earned the required comparative/concordant score within the last 2 years.

United States History

2100310

Gr. 11

This course will study the following topics: understanding of geographic- historic and time and time-space relationships, the synthesizing of American culture through the centuries, the Civil War and Reconstruction, the technological and urban transformation of the country, the evolution of American lifestyles and ideals over the centuries, American foreign policy development, the cyclical development of the American economy, contemporary domestic and foreign issues.

United States History Honors

2100320

Gr. 11

This course will study the following topics: understanding of geographic- historic and time and time-space relationships, the synthesizing of American culture through the centuries, the Civil War and Reconstruction, the technological and urban transformation of the country, the evolution of American lifestyles and ideals over the centuries, American foreign policy development, the cyclical development of the American economy, contemporary domestic and foreign issues. **Prerequisite: Teacher recommendation.**

AP US History

2100330

Gr. 11

The course is designed to give students the analytical skills and factual knowledge necessary to critically deal with the issues in United States history; students will “assess” materials - their relevance to a given interpretative problem, their reliability and their importance - to weigh the evidence and interpretations presented in historical scholarship; the class will strike a balance between teaching factual knowledge and critical analysis; the course covers from discovery and settlement of the new world up through the Reagan years. **Prerequisite: Students must earn an A in World History or a B or higher in World History Honors or a C or higher in AP World History, and social studies teacher recommendation; A Level 3 or higher on your most recent FAST Reading test or have earned the required comparative/concordant score within the last 2 years.**

United States Government (.5 credit)

2106310

Gr. 12

US Government Honors (.5 credit)

2106320

Gr. 12

Prerequisite: Teacher recommendation. (Paired with Economics Honors)

This course will study the following topics: Analysis of the documents which shape our political traditions (The Declaration of Independence, The Constitution, and The Bill of Rights), comparison of the three branches of government at the local, state and national levels, understanding of the evolving role of political parties and interest groups in determining government policy, the evolution and interpretation of the rights and responsibilities of citizens in a democratic state, the importance of civic participation in the democratic political process, discussion of Florida politics, government, structure and constitution (Semester course paired with Economics).

AP United States Government & Politics (.5 credit)

2106420

Gr. 12

This course is designed to give students a critical perspective on government and politics in the United States. The course involves both the studies of general concepts used to interpret American politics and the analysis of specific case studies. It requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. The five major areas of study are: Constitutional underpinnings of American government; political beliefs and behaviors; political parties and interest groups; institutions and policy process of national government; civil rights and civil liberties. The goal of the course is to increase understanding of the American political system – of its traditions, values, and

framework as well as to understand how its components work together smoothly for the most part, but at times with substantial friction. A discussion of Florida politics, governmental structure and constitution will be included. (Paired with The American Political System: Process & Power Honors) **Prerequisite: Students must earn an A in regular US History or a C or higher in AP/DE US History, and social studies teacher recommendation: A Level 3 or higher on your FAST Reading test or have earned the required comparative/concordant score within the last 2 years.**

Economics (.5 credit)

2102310 Gr. 12

Economics Honors (.5 credit)

22102320 Gr. 12

Prerequisite: Teacher recommendation. (Paired with Government Honors)

Economics Honors (.5 credit)

2102320H Gr. 12

Prerequisite: Teacher recommendation. (Paired with AP American Government)

The purpose of this course is to use economic reasoning and principles in reaching decisions in the marketplace. It will cover the following topics: role and impact of economic wants, productive resources, scarcity and choices, opportunity costs and trade-offs, economic incentives, specialization, comparative advantage, division of labor, interdependence, how markets work, savings and investment, the role of the citizen as producer, consumer and decision-maker, the role and function of government policy, the role of money, financial institutions and labor, distinctions between micro and macroeconomic problems, similarities and differences of other economic systems, and will also include a unit on financial literacy (Semester course paired with American Government)

Arts & Communications Electives

AP Art History

0100300 Gr. 11-12

The Advanced Placement Art History course provides students with an opportunity to foster a greater understanding of modes of visual expression across time, including the following: architecture, sculpture, painting, and other art forms in diverse historical and cultural contexts. Students in this course are expected to nurture an ability to examine works critically, with intelligence, maturity, and sensitivity, in order to effectively analyze what is seen and subsequently experienced. Exemplary attendance – an average of less than 5 absences per semester - is crucial to success in AP Art History, due to the visual nature of the class. Students enrolling in the class are also expected to possess solid writing, reading, and research skills. All students in AP Art History are expected to take the national examination in May. Students who pass the National AP examination have the opportunity to earn college credit. **Prerequisite: Social Studies or English teacher recommendation.**

Commercial Art Technology 1

8718010 Gr. 9-12

Comic books to video games, commercial art classes will prepare students for employment as artists, concept artists, comic book artists, illustrators, graphic designers, video game concept artists, and over 160 creative careers. This is an introductory course to the world of art. Students will learn how to draw, how to be creative, speak and see like an artist, and utilize the process that industry professionals use.

Commercial Art Technology 2

8718020 Gr. 10-12

Spaceships, dreams, and dragons, commercial art 2 students will be taking the next step in furthering their professional skills. Students will explore perspective, how to use reference, movie poster design, typography, character development, and advance media. This course is based upon industry standards taught by industry professionals. **Prerequisite: Commercial Art Technology 1. Teacher approval required.**

Commercial Art Technology 3

8718030

Gr. 11-12

Digital Art is here. Using the cutting-edge technology, students will be creating digital paintings, creating professional vector graphics, learning the basics about publishing, and so much more. They will use programs such as Illustrator, Photoshop, and InDesign. This course will assist students to better present their work professionally and how to think like an industry professional. **Prerequisite: Commercial Art Technology 1 & 2. Teacher approval required.**

Commercial Art Technology 4

8718040

Gr. 12

Commercial Art 4 is a class where the students focus intensely on developing their portfolios. This means the students will be exploring in-depth various career focus areas such as graphic design, illustration or fashion design, and more. This is to best prepare these students for a future studying the arts at a college level. These students may also be given opportunities at getting professionally published to further enhance their prospects of getting into the higher learning institutions of their choice. **Prerequisite: Commercial Art Technology 1, 2, & 3. Teacher approval required.**

TV Production 1

8201510

Gr. 9-11

TV Production 2

8201520

Gr. 10-12

TV Production 3

8201530

Gr. 11-12

TV Production 4

8201540

Gr. 12

The purpose of this program is to prepare students for initial employment in the Television Production field. The course will give students a background in studio jobs like television broadcast technicians, camera operator, all other professional/ paraprofessional technicians, video recording engineers, audio recording engineers. The main focus of the course will be field production with an emphasis on creating from start to finish a completed video piece. The program will also give the tools and experience needed to pass the Adobe Certification Premiere Pro CC 2020 Exam. (Certified Associate in Adobe Premiere Pro). **Prerequisite for TV Production 2-4: Teacher approval.**

Yearbook 1/Journalism 1

1006300

Gr. 9-12

Yearbook 2

1006310

Gr. 10-12

Yearbook 3

1006320

Gr. 11-12

Yearbook 4

1006330

Gr. 12

This course develops fundamental skills in the production of print or electronic journalistic media. This course enables students to develop intermediate-level skills in the production of print or electronic journalistic media. Emphasis is on ethics and critical analysis. **Prerequisite: Student must complete application the week of registration and receive permission from the instructor.**

Music, Dance, & Drama

***Educational Fees may be required. Please refer to page 1 for more information. ***

Music Theory

1300300

Gr. 9-12

Students learn how music is constructed and developed, and acquire a basic understanding of the structural, technical, and historical elements of music. Student theorists develop basic ear-training, keyboard, and functional singing skills, and engage in the creative process through individual and collaborative projects. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend, and assess learning in the classroom. **Prerequisites: Students must be enrolled in a music class and/or Director approval.**

AP Music Theory

1300330

Gr. 10-12

This course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the

ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized. **Prerequisites: Students must be enrolled in a music class and/or Director approval.**

Band (Audition Only)

1302300 **Gr.9-12**

Students interested in Band will need to complete an audition for the BRHS Band Directors. Upon completion of the audition process the BRHS Band Directors will place students into their appropriate performance and academic ensemble. These options include Concert Band, Symphony Band, and Wind Ensemble. All bands will participate in FBA District MPA (Contest) and perform 3 concerts throughout the school year. Students should expect to practice on a daily basis to keep up with the ensemble. **Only the following instruments will be taught in Concert Band: Flute, Oboe, Clarinet, Bass Clarinet, Alto Sax, Tenor Sax, Bari Sax, Bassoon, Trumpet, French Horn, Trombone, Baritone, and Tuba (All Percussion students will be placed into the Percussion Techniques Class)** Prerequisite: BRHS Band Director approval only.

Guitar

1301320 **Gr. 9-12**

Beginning guitar is a non-performing class intended for the beginning level guitar student. The primary goal of the course shall be to provide instruction in basic music theory and playing skills as related to guitar, including note reading, basic chords, and strumming. **Prerequisite: Must not be enrolled in any other music class.**

Guitar 2

1301330 **Gr. 10-12**

Guitar 2 is a performing class intended for the intermediate level guitar student. The primary goal of the course shall be to provide instruction in music theory and playing skills as related to guitar, including note reading, chords, and strumming. **Prerequisite: Guitar 1 and/or Director Approval.**

Jazz Band (Audition Only)

1302500 **Gr. 9-12**

Students interested in Jazz Band will need to complete an audition for the BRHS Band Directors. Upon completion of the audition process the BRHS Band Directors will place students into their appropriate performance and academic ensemble. These options include Beginning Jazz, Intermediate Jazz, and Advanced Jazz. The jazz bands will participate in FBA District Jazz MPA (Contest) and perform 3 concerts throughout the school year. Students should expect to practice on a daily basis to keep up with the ensemble. **Only the following instruments will be taught in Jazz Band: Flute, Clarinet, Alto Sax, Tenor Sax, Bari Sax, Trumpet, Trombone, Baritone, Tuba and Drum Set, Guitar, Bass and Piano.** Prerequisite: BRHS Band Director Approval Only.

Percussion Techniques Class (Audition Only)

1302420 **Gr. 9-12**

All experienced percussion students will be placed into the Percussion Techniques Class. Students will be trained on all concert percussion equipment and will be responsible for playing percussion parts for Wind Ensemble, Symphonic Band and Concert Band performances. Students should expect to practice on a daily basis to keep up with class work. **Prerequisite: BRHS Band Director approval only.**

Colorguard Techniques Class (Audition Only)

1305300 **Gr. 9-12**

The Color Guard member will work on dance and color guard concepts that will be offered to all students that are a part of the Marching Band of Pirates Color Guard and/or Winter Guard. The class will consist of Ballet, Classical and Modern Dance training combined with introduction to proper technique on Flag, Rifle and Saber. Fall and Winter Show equipment

and movement work will be rehearsed and perfected during this class and daily practice will be required to keep up with class course work. Students who plan to be in color guard winter guard are highly encouraged to take this course.

Prerequisite: BRHS Colorguard Director Approval Only.

Beginning Women's Glee

1303360G

Gr. 9-12

This choir is designed for the first-year high school chorus singer. The purpose of this course is to lay the foundation for the beginning Soprano and Alto choral singers and an opportunity to apply proper vocal technique and develop choral musicianship and aesthetic awareness. It will include varied choral literature through which form, style, music history and music theory are taught; it develops aesthetic awareness. Rehearsals and performances are required beyond the school day during concert seasons. Many students will use this class to earn their fine arts credit towards graduation. **Materials and uniform are required for this class. There are no prerequisites for this class.**

Men's Choir

1303360

Gr. 9-12

The purpose of this course is to provide beginning and intermediate Tenor and Bass choral singers an opportunity to apply proper vocal technique and develop choral musicianship and aesthetic awareness. It will include varied choral literature through which form, style, music history and music theory are taught; it develops aesthetic awareness. Rehearsals and performances are required beyond the school day during concert seasons. Many students will use this class to earn their fine arts credit towards graduation. **Materials and uniform are required for this class. There are no prerequisites for this class.**

Intermediate Women's Chorus

1303300I

Gr. 9-12

The purpose of this course is to enable intermediate Soprano and Alto level choral singers to build upon previous experience and develop proficient individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. It will include varied choral literature through which form, style, music history and music theory are taught; it develops aesthetic awareness. Rehearsals and performances are required beyond the school day during concert seasons. Materials and uniform are required for this class.

Prerequisite: 1 year of Women's Glee or High School Chorus Experience; BRHS Chorus Director Placement Only.

Advanced Women's Chorale

1303400

Gr. 10-12

The purpose of this course is to enable advanced Soprano and Alto choral singers to develop individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. Rehearsals and performances are required beyond the school day several times throughout the year. Students will be expected to practice outside of class time and to attend all required events. A minimum GPA of 2.0 must be maintained. Materials and uniform are required for this class. **Prerequisite: Vocal Audition and Sight-Reading Audition at the end of the previous school year; Minimum of 1 year in Women's Glee or High School level choral experience; BRHS Choral Director Placement Only. Must earn a 90% in all music the previous school year.**

River Rhapsody

1303440

Gr. 10-12

The purpose of this course is to provide advanced choral singers with the opportunity for high level performances in a vocal ensemble setting through the study of appropriate vocal literature. Performance techniques, music knowledge, critical analysis, and aesthetic responses are emphasized. Rehearsals and performances are required beyond the school day several times throughout the year. Students will be expected to practice outside of class time and to attend all required events. A minimum GPA of 2.0 must be maintained. Materials and uniform are required for this class. **Prerequisite: Vocal Audition and Sight-Reading Audition at the end of the previous school year; Must earn a 90% in all music classes the previous school year. Soprano/Alto: complete one year of Women's Glee or High School Level Choral Experience; Tenor/Bass: Minimum one-year high school level music (band, chorus, or orchestra); BRHS Choral Director Placement Only.**

Beginning Dance Techniques 1

0300310

Gr. 9-12

This course is for students entering the dance program to enable them to develop basic knowledge and skills in varied dance styles through acquisition of technique, choreographic skill, aesthetic awareness, and performance quality within a cultural and historical context.

Advanced Dance (Audition only)

0300320

Gr. 10-12

The purpose of these courses is to enable students to develop advanced knowledge and skills in varied dance styles through acquisition of technique, choreographic skill, aesthetic awareness, and performance quality within a cultural and historical context. This class requires extra rehearsals and performances built into the schedule that are outside of the normal school day. **Prerequisite: BRHS teacher approval required for Advanced Dance classes. Must have passed Dance 1 with a 90%. Must maintain a 90% average score in Dance classes to move up to the Honors Levels.**

Theatre 1

0400310B

Gr. 9-12

This class is an introduction to the basics of acting and theater arts Instruction would be centered on character development, stage directions, vocal production, auditioning, theater history, and the many aspects of the theater and careers within the theatre. All first- year theatre students at BRHS must enroll in this class before moving into advance theatre.

Advanced Theatre

0400320A

Gr. 10-12

This is the advanced group of BRHS Drama. Instruction includes advanced theatre/musical theatre performance and auditioning techniques, repertoire building for professional theatrical auditions, advanced production techniques (lighting, sound, scenic design, costuming, make-up, stage choreography, and stage and business management) from pre to post-production. This class requires extra rehearsals and performances built into the schedule that are outside of the normal school day. **Prerequisite: Placement by BRHS Drama Instructor. Must have received a 90% for Theatre 1. Must maintain a 90% average to continue to honors levels.**

String Orchestra

1302370

Gr. 9-12

This class explores fundamental technique on violin, viola, cello, and double bass. Basics of musicianship and efficient, effective practice habits will be addressed. Students will regularly listen to and analyze recorded music and develop basic musical literacy and aural skills. While at least 1-2 years of experience is ideal, no prior experience is necessary to be successful in this course. Students are required to perform in 2 concerts each year. Possession of an instrument is required, with rental scholarships available on a case- by-case basis. Music and method books are provided. **Lab Fee: \$50.00.**

Concert Orchestra

The purpose of this class is to provide intermediate high school string students with the opportunity to continue individual technical and musical development. This is accomplished through the study of and performance of a varied repertoire of solo and ensemble music, exploration of musical literacy and audition skills, accurate interpretation of notation and application of music theoretical knowledge. Fundamental technique such as shifting, essential bow strokes, vibrato will be addressed and refined, with a focus on development of advanced string techniques. Rehearsals and performances are required beyond the school day and happen multiple times throughout the year. Placement in this ensemble is determined by the Director. **Prerequisite: Prior experience on a string instrument; director approval. Lab Fee: \$50.00.**

Varsity Orchestra

The purpose of this class is to provide advanced high school string students with the opportunity to continue individual technical and musical development towards musical independence post-high school. This is accomplished through the study of and performance of a varied repertoire of solo, string orchestra, and symphonic literature, while emphasizing aesthetic response, advanced performance techniques, critical thinking and analysis, and leadership. Mastery of all fundamental technique is expected in this ensemble as students refine and explore higher level music making skills. Rehearsals and performances are required beyond the school day and happen multiple times throughout the year. Placement in this ensemble is determined by audition. **Prerequisite: Prior experience on a string instrument; director approval. Lab Fee: \$50.00.**

Business & International Studies Electives

Accounting Applications 1*

8203310

Gr. 9-11

This course is weighted as an Honors level. This course is designed to provide an understanding of foundational accounting principles and personal business skills which will benefit students regardless of the career they wish to pursue. Topics include but are not limited to journalizing business transactions, writing checks, reconciling bank accounts, preparing financial statements, calculating profit, and mastering the accounting cycle. Basic math, reading, and computer skills are required. **Prerequisite: Grade of B or higher in Pre-Algebra.**

Accounting Applications 2*

8203320

Gr. 10-12

This course is weighted as an Honors level. This course is designed to continue the study of accounting principles. Topics include but are not limited to cash receipts, Petty cash, payroll records, payroll taxes, financial analysis, depreciation, and inventory. The use of computers and accounting software is required. **Prerequisite: Grade of B or higher in Accounting Applications 1 and teacher approval.**

Accounting Applications 3*

8203330

Gr. 11-12

This course is weighted as an Honors level. This course is designed for students who are motivated to work independently and to continue the study of accounting principles. Topics include but are not limited to methods for determining the cost of merchandise inventory, account analysis, and departmentalized accounting. The use of computers and accounting software is required. **Prerequisite: Grade of B or higher in Accounting Applications 2 and teacher approval.**

Digital Information Technology

8207310

Gr. 9-12

This course is designed to provide basic overview of current business and information systems. Students will learn the basic foundations that are required for today's business environments. Emphasis is placed on developing proficiency in keyboarding skills, internet research, and a variety of fundamental computer applications including the Microsoft Office Suite. **This course must be taken in many of the business programs to be considered for the next level business course and as a Bright Futures- Gold Seal Scholarship and Tech Prep Candidates.**

DCT/OJT Employment Block

8300410

Gr. 11-12

DCT OJT (On-the-Job Training) is a partnership between the student, parent, school, and employer. This program is designed for students to earn school credit as well as a paycheck, give opportunity to preview future careers, and gain experience needed in the job market. Students must concurrently enroll in the Diversified Career Technology Principles course. **Prerequisite: Submit completed OJT application (available on school website and in Room 702) and teacher approval.**

Diversified Career Technology Principles **8303010** **Gr. 11-12**

This course is designed to enable each student to demonstrate employability, health, financial, and communication skills; professional, legal, and ethical responsibilities; relate planning methods to life and career goals; and use of computers in the workplace. **Prerequisite: Completed application (available in room 702) and teacher approval.**

Gaming & Simulation Design

8208120 **Gr. 9-12**

This course essentially provides the basic foundations of games and simulations, their common traits and differences, development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, storyboarding techniques, and development tools. **Prerequisites: Grade of B or higher in a computer-driven or engineering course.**

Gaming & Simulation 2

8208130 **Gr. 10-12**

This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, advanced storyboarding techniques, and advanced development tools. Students will be using software that allows them to animate characters and place them into live game scenarios. **Prerequisites: Game & Simulation Design and permission of instructor.**

Gaming & Simulation 3

8208140 **Gr. 11-12**

This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, advanced storyboarding techniques, and advanced development tools. Students will be using software that allows them to animate characters and place them into live game scenarios. **Prerequisites: Game & Simulation 2D Development and permission of instructor.**

Marketing Essentials

8827110 **Gr. 9-11**

This course is designed to introduce students to the concept of research, development, design and marketing of products and companies. Topics covered but are not limited to creating product concepts, strategies of supply and demand and digital and print graphic design. Students will have the opportunity to certify in Adobe Illustrator. Must be comfortable using computers daily with multiple programs. This course is the prerequisite for Marketing Applications.

Marketing Applications

8827120 **Gr. 10-12**

This course is designed to provide student with hands-on experience in running a small business. Students will be involved in all aspects of running our school store, Captain's Cargo. The curriculum includes but is not limited to inventory management, profit and loss calculations and adjustments, sales, market research, product and graphic development, and print and digital marketing. Students will also be maintaining our online store which includes site population, online sales fulfillment, and distribution. **Prerequisite: Teacher approval and must have received a 90% in Marketing Essentials.**

Marketing Management

8827130 **Gr. 11-12**

This course is a continuation of Marketing Applications with the online and on campus management of Captain's Cargo. Students at this level are expected to hold an officer or similar leadership position to lead the Marketing Applications students in one of three committees: Print Design, Digital Design & Social Media Marketing or Sales Fulfillment and Distribution. This level offers higher level experience to skills related to the marketing functions required for success in marketing and career planning as related to the marketing and sales industry. **Prerequisite: Teacher approval and must have received a 90% in Marketing Applications.**

Business Ownership

8812000

Gr. 12

This course is designed as a continuation of Marketing Management to prepare students for careers as entrepreneurs by providing students with the skills needed to realistically evaluate their potential as business owners by holding an officer position in Captain's Cargo and develop the fundamental knowledge and skills necessary to start and operate a business. **Prerequisite: Teacher approval and must have received a 90% in Marketing Management.**

Foreign Languages

Spanish 1

0708340

Gr. 9-11

Beginning skills in listening and speaking with special attention to pronunciation, introduction to reading and writing and fundamentals of grammar and culture. Native speaking students may be placed in a higher-level Spanish course or Spanish Speakers 1 course. **Prerequisites: 8th or 9th grade students must have a B or better in English and teacher recommendation. 10th or 11th grade students must have a C or better in English and teacher recommendation.**

Spanish 2

0708350

Gr. 9-12

Expansion of listening and oral skills previously acquired, primary objective of oral communication with additional emphasis on reading and writing, cultural survey of Spanish-speaking people. **Prerequisites: C or better in Spanish 1, permission of the instructor.**

Spanish 3 Honors

0708360

Gr. 10-12

Expansion of vocabulary and conversational skills through discussions based on selected readings, analysis of reading selections to strengthen acquisition of grammatical concepts, stress on contemporary vocabulary. **Prerequisites: B or better in Spanish 2, permission of the instructor.**

Spanish 4 Honors

0708370

Gr.10-12

More advanced language structures and idiomatic expressions, with emphasis on conversation skills, additional growth in vocabulary for practical purposes including writing and varied reading selections. **Prerequisites: B or better in Spanish 3, permission of the instructor.**

AP Spanish Language

0708400

Gr. 11-12

AP Spanish Language is a university level course. This course requires dedication to the mastery of: speaking, listening, reading, writing and the fine points of grammar. Students will attend before or after school tutoring sessions with the teacher. **Prerequisites: B or better in Spanish 4 and permission of the instructor.**

Spanish for Spanish Speakers 1

0709300

Gr. 9-12

The purpose of this course is to enable students whose heritage language is Spanish to develop, maintain, and enhance proficiency in their home language by reinforcing and acquiring skills in listening, speaking, reading, and writing, including the fundamentals of Spanish grammar. The course content will reflect the cultural values of Spanish language and society. The course will enable students to gain a better understanding of the nature of their own language as well as other languages to be acquired. **Prerequisites: Take and pass entrance exam; See Foreign Language Teacher for details.**

NOTE: Foreign language is a college preparatory course, which will require daily study/homework. Students must complete two years of the same foreign language to meet Florida Bright Futures requirements and for university admissions criteria.

Engineering Design & Leadership Electives

AP Computer Science Principles

0200335

Gr. 9-12

AP Computer Science Principles is an introductory level AP course for students who are strong in math and analytical thinking. The purpose of this course is to expose students to different aspects of computers. Students with no programming skills will learn how to program in JavaScript as they write games and apps that do specific tasks. This course will focus on 7 big ideas: The Internet, Programming, Algorithms, Data & Information, Abstraction, Creativity, and Global Impacts. Students will practice effective communication skills as they collaborate, connect computing to the world, create computational artifacts and abstractions, and analyze problems. See collegeboard.org/CSP for more information. **Prerequisite: B or higher in Algebra 1.**

AP Capstone Seminar

1700500

Gr. 11

AP Seminar is a year-long course that has students investigate real-world issues from multiple perspectives. Students learn to synthesize information from different sources, develop their own lines of reasoning in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. **Prerequisite: AP Teacher approval required.**

AP Capstone Research

1700500

Gr. 11-12

While working with their teacher, students will explore an academic topic, problem, or issue that interests them and design, plan, and conduct a year-long research-based investigation to address it. The course culminates in an academic paper of 4,000-5,000 words and a presentation, with an oral defense; during which the students will answer 3-4 questions from a panel of evaluators. **Prerequisite: Advanced Placement Capstone Seminar.**

Driver's Education

1900300

Gr. 10-12

This is a two-phase course consisting of classroom study and driving in the car. Statistics prove that drivers who have had Driver Education have 50 percent fewer accidents than those who have not had it. Therefore, many insurance companies give discounts on insurance plans for students who successfully complete the class. **Prerequisite: Must be 15 and have a permit; Paired with an online course of the student's choice or with a semester long Physical Education course.**

Applied Engineering Technology 1

8401110

Gr. 9-11

Applied Engineering Technology 2

8401120

Gr. 10-12

Applied Engineering Technology 3

8401130

Gr. 11-12

These TSA and ITEEA National Award-winning programs in Applied Engineering are essentially problem-solving courses through different hands-on and computer-based activities. Students will learn the fundamentals of the Engineering Design Process, 3D modeling, printing and milling, and the safe use of power/hand tools. Students will gain experience in both (college bound) engineering opportunities and the (trade school) building trades. The course also covers the operational aspects HVAC systems; system hydraulics; pneumatics, flight systems; audio technology; robotics and civil engineering. Students will have the opportunity to work on Industry Certifications in SolidWorks® and Auto Desk®- a computer design software; the ADOBE® Creative Suite - a computer design suite, and Chief Architect - an architectural design program.

contemporary issues, and social concerns, all the while focusing on a culminating senior paper, portfolio, and/or project.
Prerequisite: Application and selection, process 2.5 minimum GPA.

AVID Tutor

2104360

Gr. 12

AVID tutor is a one-year elective course for students wishing to be tutors in the AVID elective program. Students will tutor 5-7 AVID students twice a week during the tutorial portion of the AVID elective class and assist the teacher in providing academic and organizational skills to students. The tutors are expected to be able to help in at least three academic subjects in which they themselves have been successful at an honors, Dual Enrollment, or Advanced Placement level. Tutors receive instruction and training using the inquiry method that encourages higher level thinking by students.
Prerequisite: Application and selection process.

JROTC

Leadership Education and Training 1

1801300

Gr. 9

Demonstrate a knowledge of the rights, responsibilities, privileges and freedoms that underlie good citizenship; develop leadership and fellowship; demonstrate effective thinking and communication; describe the importance of physical fitness; understand the history, purpose and structure of Army JROTC; demonstrate proficiency in basic military skills; demonstrate a knowledge of substance abuse; develop management skills including goal setting.

Leadership Education and Training 2

1801310

Gr. 10

Demonstrate a knowledge of the ethical values and principles that underlie good citizenship; develop leadership; demonstrate the ability to think logically and communicate effectively in writing; describe the importance of physical fitness; display a knowledge of the history, purpose and structure of the Army; demonstrate a knowledge of basic military skills in drill and ceremonies, first aid and map reading; describe the importance of American military history; understand the effects of substance abuse.

Leadership Education and Training 3

1801320

Gr. 11

Demonstrate a knowledge of leadership principles to effectively solve problems and supervise situations and subordinates and communicate effectively; display knowledge of the history of the U. S. Armed Forces; the federal and military systems of justice; demonstrate proficiency in military skills, drill and ceremonies, first aid, map reading, and assist in teaching of these basic skills; describe the importance of avoiding the use of alcohol and drugs in a person's life.

Leadership Education and Training 4

1801330

Gr. 12

Display a knowledge of ethical reasoning and decision making; demonstrate the ability to effectively apply leadership and communications skills; demonstrate the importance of physical fitness; describe the importance of American military history as it relates to the development of the United States; display a knowledge of the efforts to fight the drug problem; demonstrate the ability to market oneself for a job.

School Based Leadership

Executive Internship 1

2104350

Gr. 11-12

Executive Internship 2

2104360

Gr. 12

This course provides an introduction and opportunities for leadership in the areas of service-learning and civic responsibility. Academic, personal, and career skills needed for effective service-learning project implementation will be taught and applied through structured service projects that meet real school and/or community needs. Students will rotate through various learning experiences throughout the school support offices. **Prerequisite: Students must have a 3.0 unweighted GPA or higher and must be approved by administration. Applications are available in Student Services.**

Teacher Assistant 1

0500500

Gr. 11

Teacher Assistant 2

0500510

Gr. 12

The Teacher Assistant (TA) program at Braden River High School is a curricular activity that requires a high degree of collaboration with both students, teachers, and administration. Juniors and Seniors who are interested in exploring careers in education and/or have a strong grasp of the EOC academic curriculum are encouraged to apply. TAs will be expected to assist teachers in the planning and implementation of content, help students gain a better understanding of the content by circulating the room and working with the students, both at the group level and one on one. TAs must maintain a high level of confidentiality, professionalism, honesty, academic integrity, respect, and accountability. The supervising teacher is responsible for coursework and the student's overall grade. **Prerequisite: Students must have earned a B or higher in the EOC course requested on their application. Both teacher and administrator approval are required. Applications will be available on the Braden River High School website.**

Student Government

Leadership Skill Development

2400300

Gr. 11-12

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time & stress management, public speaking, human relations, public relations, team building, & other group processes. **Prerequisite: See Club Sponsor for Application.**

Leadership Techniques

2400310

Gr. 12

This course will provide an in-depth study of the leadership techniques of decision making, problem solving, meeting skills, communication, group conflict resolution, time and stress management, evaluation, team building, group dynamics, motivational strategy, and the role of leadership in a democratic society. **Prerequisite: See Club Sponsor for Application.**

Science Technology & Health Electives

Agriscience Foundations*

8106810

Gr. 9-12

Development in the areas of agricultural history, global importance of agriculture, career opportunities, applied scientific and technical concepts, ecosystems, agriculture safety, pest management, principles of plant growth, management principles, agriculture marketing, and human-relations skills. **All students that are starting an agriculture program and interested in the Gold Seal Scholarship Award must begin with the Agriscience Foundation course. This course counts as a science credit or an elective credit.**

Introductory Horticulture 2*

8121510

Gr. 10-12

The course is designed to develop competencies in the areas of career opportunities, global importance of agriculture, plant classification, propagation, growing media, nutritional needs, fertilization, irrigation, pest identification, pest control, pruning, plant installation, transplanting, safe hand-tool use, and employability skills. **Prerequisite: Students must complete Agriscience Foundations and pass all four quarters prior to taking the Introductory Horticulture 2 course. Teacher permission required.**

Horticultural Science 3*

8121520

Gr. 11-12

This course is designed to develop competencies in the areas of industry regulations, plant classification, plant transportation, soil sampling and analysis, fertilizer calculations, record keeping, irrigation components, water quality, drainage, integrated pest management, pesticide safety and regulations, equipment calibration, chemical growth regulators, xeriscaping, integrated landscape management, safe use of power equipment, record keeping, and employability skills. **Prerequisites: Students must complete Agriscience Foundations and Introductory Horticulture 2 prior to taking the Horticultural Science 3 course. Teacher permission required.**

Horticultural Science and Services 4*

8121610

Gr. 12

This course is designed to further develop competencies in the areas of plant identification and classification, growing media, irrigation system set up, and maintaining and analyzing records including production costs. **Prerequisites: Students must complete Agriscience Foundations, Introductory Horticulture 2, and Horticultural Science 3 prior to taking the Horticultural Science and Services 4 course. Teacher permission required.**

Agritechnology

8106800

Gr. 10-12

Agritechnology 1

8106820

Gr. 11-12

Content includes but is not limited to: agriscience careers, prevention and treatment of animal diseases; livestock anatomy, wholesale cuts of meat; animal reproduction; animal safety; plant and crop production; maintenance of tools and equipment; agricultural mechanics; record keeping and employability skills. Indoor and outdoor activities and instruction are all part of this course. Industry certifications will be offered. **Prerequisite: Agriscience Foundations 1 and teacher approval.**

Agricultural Communications 2

8117010

Gr. 10-12

This course is designed to develop competencies in the communications sector of the agricultural industry including instruction in developing and editing materials for printed media and media broadcast, and ethical and professional issues in the industry. **Prerequisites: Successful completion for Agriscience Foundations and teacher approval.**

Vet Assisting 1*

8111510

Gr. 10-12

This course is designed to develop competencies in areas such as the history of the animal industry, applied scientific and technological concepts, ecosystems, safety, and human relations skills. **Prerequisite: Students must complete Agriscience Foundations prior to taking the Vet Assisting 1 course. Teacher permission required.**

Vet Assisting 2*

8111540

Gr. 11-12

This course is designed to develop competencies in the areas such as global importance of the animal industry, career opportunities, animal behavior, animal welfare, and animal control. **Prerequisites: Students must complete Agriscience**

Foundations and Vet Assisting 1 prior to taking Vet Assisting 2. Students will be required to earn 40 hours under the supervision of a veterinarian. Teacher permission required.

Vet Assisting 3*

8111550 Gr. 11-12

This course is designed to develop competencies in the areas animal digestive systems, animal breeding, preventive medicine and disease control, control of parasites, animal marketing, and analyzing records. **Prerequisites: Students must complete Agriscience Foundations, Vet Assisting 1, and Vet Assisting 2 prior to taking Vet Assisting 3. Students will be required to earn 80 hours under the supervision of a veterinarian. Teacher permission required.**

Vet Assisting 4*

8111520 Gr. 11-12

This course is designed to develop competencies in the areas of record keeping, disease and parasites, grooming, efforts of captivity of exotics, genetics and biotechnology in reproduction, diagnostic and therapeutic testing, surgical preparation, and pharmacology with a focus specifically on beef and swine. **Prerequisites: Student must complete Agriscience Foundations, Vet Assisting 1 and Vet Assisting 2 prior to taking Vet Assisting 4. Students will spend one semester in class and one semester at an internship site. Teacher permission required.**

AP Psychology

2107350 Gr. 11-12

This is a rigorous, college level course, designed for students to develop an understanding and an appreciation for human behavior, behavioral interaction, and progressive development of individuals. This will better prepare students to understand their own behavior and the behavior of others. This course is designed to prepare students to pass the AP Psychology exam. Students opting to take this course should possess critical thinking skills and analytical writing ability relating to evidence-based research. **Prerequisite: Students must have a recommendation from their current Honors, AP, or DE social studies teacher.**

Health Opportunities through Physical Education

1506320 Gr. 9 - 12

The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness while equipping athletes with the knowledge and skills to enhance their physical fitness and wellness throughout the rest of their lives. This course is graduation requirement for all students.

Team Sports 1 (0.5 credit)	1503350	Gr. 10-12
Team Sports 2 (0.5 credit)	1503360	Gr. 10-12
Individual Spts 1 (0.5 credit)	1502410	Gr. 10-12
Individual Spts 2 (0.5 credit)	1502420	Gr. 10-12
Individual Spts 3 (0.5 credit)	1502430	Gr. 10-12
Recreation 2 (0.5 credit)	1502470	Gr. 10-12

These courses involve knowledge and application of skills, techniques, strategies, rules, and safety practices necessary to participate in selected team sports (may include basketball, flag football, gatorball, soccer, softball, speedball, track and field, volleyball, and other team- based sports). All students registering for physical education class and personal fitness classes will be required to wear approved PE clothing and appropriate footwear.

Beginning Weight Training (.5 credit)

1501340 Gr. 10-12

Introduction to weightlifting. Emphasis on learning proper techniques of basic free weight and bodyweight movements with the objective to improve muscular strength and fitness. Safety and technique will be always stressed in the weight

room. Introductory training methods for the sports of Powerlifting, Olympic Style Weightlifting and Bodybuilding/Body shaping will be addressed. Nutrition, Sleep and Recovery will also be addressed.

Intermediate Weight Training (.5 credit)

1501350 **Gr. 10-12**

Reinforcement of basic weight training knowledge of safety practices, expansion of weight training programs by incorporating new exercises, knowledge of various weight training theories and introduction to long term planning and periodization strategies. Students will enhance their knowledge of designing, implementing, and evaluating personal strength and power training programs. All students registering for physical education classes and personal fitness classes will be required to wear approved PE clothing and appropriate footwear.

Advanced Weight Training (.5 credit)

1501360 **Gr. 11-12**

This course is designed for the individual who has advanced personally past the stage of intermediate weight training. The course will introduce advanced strength and power training techniques, programming strategies and assessment tools. There will be a shift towards designing programs to achieve advanced results related to students' individual goals and objectives.

Beginning Power Weight Training (.5 credit)

1501410 **Gr. 11-12**

Power Weight Training will be focusing on the application of strength training modalities to achieve improvements in speed strength, strength speed and maximum strength. Specific training strategies will be taught with an emphasis on adaptation to training as well as recovery strategies dealing with sleep, nutrition, and other regeneration strategies. All students registering for physical education classes and personal fitness classes will be required to wear approved PE clothing and appropriate footwear. **Prerequisite: Complete beginning weight training and instructor approval.**

Care and Prevention of Athletic Injuries

1502490 **Gr. 10-12**

The purpose of this course is to introduce the field of Athletic Training including Injury Assessment, Treatment and Rehabilitation. Students will learn about the care, prevention, management, treatment, and rehabilitation of athletic injuries. Instruction will include basic anatomy, physiology, and kinesiology as they relate to preventing and treating athletic injuries. Students will be expected to demonstrate appropriate taping, wrapping, and bracing techniques for athletic injuries. This course is paired with the American Red Cross class Responding to Emergencies/First Aid and Safety. **Prerequisite: A grade of B or better in Biology. Students who have taken Anatomy and Physiology will be better prepared for this class as well. Permission of instructor is required.**

First Aid and Safety

0800320 **Gr. 10-12**

The purpose of this course is to enable students to acquire knowledge and skills in first aid, emergency care, and personal safety. This class is paired with the Care and Prevention of Athletic Injuries class and emphasizes more hands-on skills related to Responding to Emergencies. As part of this course, students will take the American Red Cross CPR/AED and First Aid Certification. There is a fee for the American Red Cross Certification exam. Please see page 1 about educational fees. **Prerequisite: Permission of Instructor. A grade of B or better in Biology.**



www.manateeschools.net/bradenriver 6545 SR70 East, Bradenton,
FL 34203 941-751-8230

Wendell Butler, Principal
Rebecca Austerman, Assistant Principal
Laura Gonzalez, Assistant Principal
Matthew Whelden, Assistant Principal

The mission of Braden River High School is to empower students to be strong responsible leaders who value personal integrity, academic excellence, and civic involvement.

