



# CURRICULUM GUIDE

2014-2015

5<sup>TH</sup> EDITION

*All information in this curriculum guide is subject to change pending school, district, legislative and state decisions.*

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## STUDENT SERVICES

The information included in this curriculum guide is as accurate as possible at the time of printing. Although included in this guide, there are classes that may not be taught because of limited enrollment or other restrictions. Students and parents are encouraged to contact the appropriate School Counselor for assistance with course selection and graduation requirements by telephone, email or appointment.

### GUIDANCE COUNSELORS

Alpha	Counselors	Email Address	Phone Number
A-C	Mrs. Weems	jill.weems@ocps.net	321-235-7832
D-I	Ms. Reichert	allison.reichert@ocps.net	321-235-7830
J-Mo	Mrs. Simon-Savage	marilina.simon@ocps.net	321-235-7824
Mp-Sa	Mrs. Richmond-Sills	ricki.richmond-sills@ocps.net	321-235-7865
Sb-Z + LY	Mr. Casas	gerardo.casas@ocps.net	321-235-7839
Gifted/ESE A-L	Mrs. Smith	annie.smith@ocps.net	321-235-7863
Gifted/ESE M-Z	Mr. Sheeran	richard.sheeran@ocps.net	321-235-7823

### GUIDANCE SERVICES

Position	Name	E-Mail	Phone Number
Guidance Clerk	Mrs. Schiraldi	linda.schiraldi@ocps.net	321-235-7803
Registrar	Ms. Bennett	marjorie.bennett@ocps.net	321-235-7848
Exceptional Education	Ms. Molina	memry.molina@ocps.net	321-235-7831
Psychologist	Ms. Coffey	lisa.coffey@ocps.net	321-235-7825
Social Worker	Ms. Velazquez	iraida.velazquez@ocps.net	321-235-7825

### PARENT/TEACHER COMMUNICATION

If a student is experiencing a problem in a course, the best solutions are the result of direct communication between the parent and the instructor. Please call or e-mail the instructor with your concerns. Email addresses and telephone room extensions will be published on the school website, [www.tchs.ocps.net](http://www.tchs.ocps.net). The main number for the school voice mail system is (321)-235-7800. You will receive a timely response from the instructor. You may also arrange for conferences with the instructor and your child's school counselor by contacting the Guidance Office (321)-235-7803.

### PROMOTION POLICY

The following requirements must be met to be promoted to the grade level indicated.

#### **CLASSIFICATION OF STUDENTS**

Freshman: 0 – 4.5 credits  
Sophomore: 5 - 10.5 credits  
Junior: 11 – 17.5 credits  
Senior: 18 – 24 credits

## STUDENT SCHEDULES

Students are given registration information each spring. This information aids the students in course selection. Students are allowed to make changes in their choices until the end of the school year. This allows the students ample time to plan the courses that meet their individual needs. Any change in your schedule for the new school year must be made **BEFORE THE END OF THE CURRENT SCHOOL YEAR**. After summer dismissal, there should be no schedule changes. Of course, any errors will be corrected.

Some examples of errors that will be corrected are as follows:

- A course previously passed
- A course out of sequence (*i.e.* French III before French I)
- A missing requirement for graduation
- A duplicated course

Some examples of situations that will **NOT** result in a schedule change are:

- Requested the course but do not need the credit
- Requested the course but no longer interested in the subject
- To raise GPA
- A desire for another instructor (class counts are monitored very closely)
- A desire for a different lunch shift
- Failure to earn a passing grade in a course

## ACADEMIC RIGOR

Students should take classes at the highest level possible in order to prepare themselves for success after graduation. Many courses are offered at several different levels including regular, honors or Advanced Placement (AP). Taking rigorous courses in high school such as honors and AP is linked to success in college. Timber Creek offers 27 different Advanced Placement courses. All AP courses are college level and require college-level work, effort, maturity and discipline as well as considerable amounts of outside reading and essay writing. All AP courses conclude with a national exam administered by the College Board during the first two weeks of May. Orange County Public Schools weights AP courses higher than honors courses to reflect the higher expectations and amount of work as well as the increased difficulty of these courses. If you are considering signing up for one this course, please carefully examine the course requirements. You may want to speak with students currently taking the classes or with their instructors. Please pay close attention to the information listed above about schedule changes as the same criteria for changes applies to AP courses.

## TIMBER CREEK AP COURSE OFFERINGS

AP Art Drawing Portfolio	AP French Language
AP Art 2D	AP German Language
AP Art 3D	AP Human Geography
AP Art History	AP Macro Economics
AP Biology	AP Music Theory
AP Calculus AB	AP Psychology
AP Calculus BC	AP Physics
AP Chemistry	AP Spanish Literature
AP Chinese	AP Spanish Language
AP Computer Science	AP Statistics
AP English Language	AP US History
AP English Literature	AP US Government
AP Environmental Science	AP World History
AP European History	

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## ORANGE COUNTY PUBLIC SCHOOLS GRADING SYSTEM

Timber Creek High School uses the grading system established by the district.

Un-weighted all courses	Weighted courses (Honors)	Weighted courses (AP and Dual Enrollment College)
A = 4	A = 5	A = 6
B = 3	B = 4	B = 5
C = 2	C = 3	C = 4
D = 1	D = 1	D = 1
F = 0	F = 0	F = 0

The GPA calculation for the Florida Bright Futures Program shall be based upon the statewide Florida Bright Futures Scholarship Program Weighting System established by the Department of Education. This can be accessed at [www.flvc.org](http://www.flvc.org).

### CLASS RANK

For 11th and 12th graders on standard diploma, class rank will be run twice per school year.

First run      3rd week of school year

Second run    End of the 1st semester\*

*\*This will allow for 11th grade early college admission and 12th grade final class rank.*

### GRADE FORGIVENESS

Under state policy, students who receive a final grade of D or F in a class may retake the class to improve their grade. The new, higher grade (**C or higher**) will be calculated in the GPA. **This policy only applies to final grades of D or F.** Students who took a high school credit course as a 7th or 8th grader may take grade forgiveness for grade **C, D, or F.**

### ACADEMIC INTEGRITY: PLAGIARISM AND CHEATING

Plagiarism will not be tolerated. Plagiarizing the work of others, submitting another's work as your own, taking answers from other students or downloading term papers or essays from the Internet to submit as your own work is dishonest and illegal. Students who are caught cheating and/or plagiarizing (using any means) will receive no credit for the work submitted and be subject to disciplinary action. This may make students ineligible for membership in student honor societies and clubs. Students who are already members of these organizations may be removed as members.

## GRADUATION REQUIREMENTS

*as of January 2014*

Year Entered 9th Grade	2011-2012 (Seniors)	2012-2013 (Juniors)
<b>English</b>	4 Credits (major concentration on composition, reading for information and literature)	4 Credits (major concentration on composition, reading for information and literature)
<b>Mathematics</b>	4 Credits, one of which must be Algebra 1 or its equivalent and one of which must be geometry or its equivalent Students who took Algebra 1 in middle school are exempt from passing the Algebra 1 EOC	4 Credits, one of which must be Algebra 1 or its equivalent and one of which must be geometry or its equivalent
<b>Science</b>	One of which must be Biology 1, two of which must have a laboratory component	One of which must be Biology 1, two of which must have a laboratory component
<b>Social Studies</b>	1 credit in world history, 1 credit in U.S. history, .5 credit in U.S. government and .5 credit in economics	1 credit in world history, 1 credit in U.S. history, .5 credit in U.S. government and .5 credit in economics
<b>Foreign Language</b>	Not required for High School Graduation; required for admission into state universities	Not required for High School Graduation; required for admission into state universities
<b>Practical/Performing Fine Arts</b>	1 Credit in Fine or Performing Arts, Speech and Debate, or Practical Arts (eligible courses specified in course code directory)	1 Credit in Fine or Performing Arts, Speech and Debate, or Practical Arts (eligible courses specified in course code directory)
<b>Physical Education</b>	1 Credit in Physical Education to include the integration of Health (HOPE)	1 Credit in Physical Education to include the integration of Health (HOPE)
<b>Electives</b>	8 Credits	8 Credits
<b>State Assessments</b>	Students must earn a passing score on the Algebra 1 EOC or concordant score on the PERT. The Biology and Geometry EOC exams which constitutes 30% of the final grade for each of those courses. Students must pass the 10 <sup>th</sup> grade FCAT Reading.	Students must earn a passing score on the Algebra 1 EOC or concordant score on the PERT. Students must take the Biology and Geometry EOC, however it does not count toward graduation. The US History EOC will count as 30% of the final grade in the course. Students must pass the 10 <sup>th</sup> grade FCAT Reading.
<b>GPA Requirements</b>	Earn a cumulative GPA of 2.0 of a 4.0 scale (Unweighted)	Earn a cumulative GPA of 2.0 of a 4.0 scale (Unweighted)
<b>Online Requirements</b>	1 Course within the 24 credits	1 Course within 24 credits
<b>Scholar Designation</b>	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -earn 1 credit in Alg 2 -earn 1 credit in stats or an equally rigorous math course -pass the biology 1 EOC -earn 1 credit in chemistry or physics -earn 1 credit in a course equally rigorous to chemistry or physics -pass the U.S. History EOC -earn 2 credits in the same world language -earn at least 1 credit in an AP, IB, AICE, or Dual Enrollment course	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -pass the ELA grade 11 statewide assessment once implemented -earn 1 credit in Alg 2, pass Alg 2 assessment once implemented -earn 1 credit in stats or an equally rigorous math course -pass the biology 1 EOC -earn 1 credit in chemistry or physics -earn 1 credit in a course equally rigorous to chemistry or physics -pass the U.S. History EOC -earn 2 credits in the same world language -earn at least 1 credit in an AP, IB, AICE, or Dual Enrollment course
<b>Merit Designation</b>	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -obtain 1 or more industry certifications from the list established	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -obtain 1 or more industry certifications from the list established

## GRADUATION REQUIREMENTS

*as of January 2014*

Year Entered 9th Grade	2013-2014 (Sophomores)	2014-2015 (Freshman) (to our best knowledge)
<b>English</b>	4 Credits in the following courses: ELA 1, 2, 3, 4, ELA Honors, AP Literature, AP Language, or specific Dual Enrollment courses.	4 Credits in the following courses: ELA 1, 2, 3, 4, ELA Honors, AP Literature, AP Language, or specific Dual Enrollment courses.
<b>Mathematics</b>	One of which must be Algebra 1 or its equivalent and one of which must be geometry or its equivalent (Industry certification courses that lead to college credit may substitute for up to 2 mathematics)	One of which must be Algebra 1 or its equivalent and one of which must be geometry or its equivalent (Industry certification courses that lead to college credit may substitute for up to 2 mathematics)
<b>Science</b>	3 Science courses, 1 of which must be Biology 1 and two of which must be in equally rigorous science courses. 2 of the 3 required science credits must have a laboratory component; Industry certification courses that lead to college credit may substitute for up to 1 science credit. Students must pass the 10 <sup>th</sup> grade FCAT Reading.	3 Science courses, 1 of which must be Biology 1 and two of which must be in equally rigorous science courses. 2 of the 3 required science credits must have a laboratory component; Industry certification courses that lead to college credit may substitute for up to 1 science credit. Students must pass the 10 <sup>th</sup> grade FCAT Reading.
<b>Social Studies</b>	1 credit in world history, 1 credit in U.S. history, .5 credit in U.S. government and .5 credit in economics to include financial literacy	1 credit in world history, 1 credit in U.S. history, .5 credit in U.S. government and .5 credit in economics to include financial literacy
<b>Foreign Language</b>	Not required for High School Graduation; required for admission into state universities	Not required for High School Graduation; required for admission into state universities
<b>Practical/Performing Fine Arts</b>	1 Credit in Fine or Performing Arts, Speech and Debate, or Practical Arts(eligible courses specified in course code directory)	1 Credit in Fine or Performing Arts, Speech and Debate, or Practical Arts(eligible courses specified in course code directory)
<b>Physical Education</b>	1 Credit in Physical Education to include the integration of Health (HOPE)	1 Credit in Physical Education to include the integration of Health (HOPE)
<b>Electives</b>	8 Credits	8 Credits
<b>State Assessments</b>	Students must earn a passing score on the Algebra 1 EOC or concordant score on the PERT. The Biology, US History and Geometry EOC exams which constitutes 30% of the final grade for each of those courses.	Students must earn a passing score on the Algebra 1 EOC or concordant score on the PERT. The Biology, US History and Geometry EOC exams which constitutes 30% of the final grade for each of those courses.
<b>GPA Requirements</b>	Earn a cumulative GPA of 2.0 of a 4.0 scale (Unweighted)	Earn a cumulative GPA of 2.0 of a 4.0 scale (Unweighted)
<b>Online Requirements</b>	1 Course within 24 credits, excluding a Drivers Education course	1 Course within the 24 credits, excluding a Drivers Education course
<b>Scholar Designation</b>	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -pass the ELA grade 11 statewide assessment once implemented -earn 1 credit in Alg 2 (must pass statewide assessment) -earn 1 credit in stats or an equally rigorous math course -pass the biology 1 EOC -earn 1 credit in chemistry or physics -earn 1 credit in a course equally rigorous to chemistry or physics -pass the U.S. History EOC -earn 2 credits in the same world language -earn at least 1 credit in an AP, IB, AICE, or Dual Enrollment course	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -pass the ELA grade 11 statewide assessment once implemented -earn 1 credit in Alg 2 (must pass statewide assessment) -earn 1 credit in stats or an equally rigorous math course -pass the biology 1 EOC -earn 1 credit in chemistry or physics -earn 1 credit in a course equally rigorous to chemistry or physics -pass the U.S. History EOC -earn 2 credits in the same world language -earn at least 1 credit in an AP, IB, AICE, or Dual Enrollment course
<b>Merit Designation</b>	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -obtain 1 or more industry certifications from the list established	In addition to meeting the 24 credit, standard high school diploma requirements a student must: -obtain 1 or more industry certifications from the list established

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## TYPICAL ENGLISH COURSE PROGRESSIONS

*Please note that some students will vary from these tracks and we encourage that students take challenging course work*

Grade	Regular Track	Honors Track	Gifted Track (Non-APC Students)	APC Track
9th	English 1	Honors English 1	Gifted English 1 (Honors Credit)	APC English 1 (Honors Credit)
10th	English 2	Honors English 2	Gifted English 2 (Honors Credit)	APC English 2 (Honors Credit)
11th	English 3	Honors English 3 AP English Language ENC1101/ENC1102	Honors English 3 AP English Language ENC1101/ENC1102	Honors English 3 AP English Language ENC1101/ENC1102
12th	English 4	Honors English 4 AP English Literature ENC1101/ENC1102	Honors English 4 AP English Literature ENC1101/ENC1102	Honors English 4 AP English Literature ENC1101/ENC1102

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## TYPICAL MATH COURSE PROGRESSIONS

*Please note that some students will vary from these tracks and we encourage that students take challenging course work*

Grade	General (4 Math Credits)	Honors (5 Math Credits)	Honors-More Rigorous (6 Math Credits)		Honors- Most Rigorous (6 Math Credits)
Middle School	no high school courses	<u>Algebra 1</u> or Algebra 1 Honors	<u>Algebra 1 Honors</u> and <u>Algebra 2 Honors</u>		<u>Algebra 1 Honors</u> and <u>Algebra 2 Honors</u>
9th	Algebra 1	Algebra 2 Honors	Geometry Honors		Geometry Honors
10th	Algebra 2	Geometry Honors	Analytical Geom./Trig. Honors		Pre-Calculus Honors
11th	Geometry	<b>Choose 2 of the following:</b> Honors Probability with Stats or Analytical Geom./Trig. Hon. or PreCalculus Honors or Dual Enrollment Math or AP Statistics	Pre-Calculus Hon. or Dual Enrollment Math	Honors Probability with Statistics or Dual Enrollment Math	AP Calculus AB or AP Calculus BC or Dual Enrollment Math
12th	Math for College Readiness or Algebra with Financial Applications		AP Calculus AB or Dual Enrollment Math	AP Statistics or Dual Enrollment Math	AP Calculus BC or Dual Enrollment Math

\*The average State University applicant has 5.5 high school math courses

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## TYPICAL SCIENCE COURSE PROGRESSIONS

*Please note that some students will vary from these tracks and we encourage that students take challenging course work*

Grade	Regular Track	Honors Track	Honors Track (More Rigorous)	APC Track
9th	Integrated Science	Biology 1 Honors	Biology 1 Honors AP Biology Block	APC Biology 1 Honors or AP Biology Block or AP Biology (Approval Only)
10th	Biology 1	AP Biology or Chemistry Honors or Physics Honors	AP Biology or Chemistry Honors or Physics Honors or AP Chemistry or AP Physics	AP Biology or Chemistry Honors or Physics Honors or AP Chemistry or AP Physics
11th	Physics or Chemistry	<b>Any 2 of the following:</b> Chemistry Honors Physics Honors Anatomy & Physiology Honors Genetics Honors Forensics Honors Marine Science Honors	<b>Any 2 of the following:</b> Chemistry Honors Physics Honors AP Chemistry AP Physics AP Environmental Anatomy & Physiology Honors Genetics Honors Forensics Honors Marine Science Honors	<b>Any 2 of the following:</b> Chemistry Honors Physics Honors AP Chemistry AP Physics AP Environmental Anatomy & Physiology Honors Genetics Honors Forensics Honors Marine Science Honors
12th	Physics or Chemistry or Anatomy & Physiology or Zoology or Marine Science			

Must complete Chemistry or Physics AND 1 Equally Rigorous course to get scholar designation

## TYPICAL SOCIAL STUDIES COURSE PROGRESSIONS

*Please note that some students will vary from these tracks and we encourage that students take challenging course work*

Grade	Regular Track	Honors Track	Honors Track (More Rigorous)	APC Track
<b>9th</b>	World Cultural Geography	World History Honors	World History Honors	AP Human Geography
<b>10th</b>	World History	Social Studies Elective	AP World History or Social Studies Elective	World History Honors or AP World History
<b>11th</b>	American History	American History Honors	American History Honors or AP American History	American History Honors or AP American History
<b>12th</b>	American Government & Economics	American Government Honors & Economics Honors	American Government Honors & Economics Honors or AP Government & AP Macro Economics	American Government Honors & Economics Honors or AP Government & AP Macro Economics

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# UNIVERSITY REQUIREMENTS FOR STATE UNIVERSITY SYSTEMS OF FLORIDA

## COMPETITIVE ADMISSIONS

Admission into Florida’s state universities is limited by space available. Admissions decisions are based on high school graduation, grade point average (GPA) in **academic core courses**, admissions test scores, course distribution requirements, a rigorous academic program including honors and AP courses.

A student’s ability to compete for admissions depends how well he or she ranks academically. All of the state universities receive thousands of applications for their freshmen classes. To increase the chance of admission, high school students should **exceed the minimum requirements.**

## MINIMUM ADMISSIONS CRITERIA

Students applying to the SUS may be considered for admission based on the following criteria: A first time in college student may be admitted if he/she has a high school grade point average (GPA) of 3.00 or higher on a 4.00 scale as calculated by the university, and presents official SAT Reasoning Test and/or ACT Plus Writing scores. Beginning fall 2014, the student must include the Plus Writing section of the ACT if utilizing the ACT to meet this standard,

### **OR**

A first time in college student may be admitted if he/she has a high school GPA of 2.5 - 2.99 on a 4.00 scale as calculated by the university. Course work from which a student has withdrawn with passing grades will not be included in the calculation. In addition to achieving the minimum GPA, a student must achieve the minimum scores for each SAT Reasoning Test or ACT Plus Writing section as outlined below:

- SAT – Critical Reading  $\geq 460$  or ACT – Reading  $\geq 19$ ,
- SAT – Mathematics  $\geq 460$  or ACT – Mathematics  $\geq 19$ , and
- SAT – Writing  $\geq 440$  or ACT – Combined English/Writing  $\geq 18$ .

Applicants must have completed the secondary academic credit requirements in the table below:

<b>MINIMUM STATE UNIVERSITY ADMISSION CREDIT REQUIREMENTS</b>
4 credits – English/Language Arts (three of which must have included substantial writing requirements).
4 credits – Mathematics (at or above the Algebra I level).
3 credits – Natural Science (two of which must have included substantial laboratory requirements).
3 credits – Social Science (to include anthropology, history, civics, political science, economics, sociology, psychology, and/or geography).
2 credits – Foreign Language See subsection 1(h).
2 credits – Additional academic credits (in any combination of courses listed in the Department of Education Course Code Directory, accessible at <a href="http://www.fldoe.org/articulation/">www.fldoe.org/articulation/</a> , as follows:
1. Two credits from among Level II courses listed in the Department of Education Course Code Directory in English/Language Arts, Mathematics, Natural Science, Social Science, Foreign Language, Fine Arts; Level III courses listed in the Directory in any academic or career and technical education credited discipline; or Dual Enrollment courses for which both high school and postsecondary academic credits are granted; OR 2. One credit from 1. above and one credit from grade nine or above in ROTC/Military Training, or an equivalent course in any discipline as determined by the Articulation Coordinating Committee and listed in the Florida Counseling for Future Education Handbook, accessible at <a href="http://www.fldoe.org/articulation/">www.fldoe.org/articulation/</a> ).

## SCHOLARSHIPS

Many colleges, universities, civic organizations and corporations offer scholarships to students with high academic performance or excellence in a particular field of study or participation. These scholarships are obtained through an application and a selection process. To assist students in their search for these scholarships, the guidance department maintains a scholarship center in the College and Career Center. The center is open during lunch and includes computerized college searches, career exploration and a monthly updated scholarship bulletin. Guidance will announce special awards and will be the selection committee for special scholarships and honors. For more information and updates visit the TCHS Career Center webpage at [tchscareercenter.webs.com](http://tchscareercenter.webs.com)

### BRIGHT FUTURES SCHOLARSHIP REQUIREMENTS

To be eligible for an initial award from one of the three Bright Futures scholarships a student must be a Florida Resident, earn a high school diploma or equivalent from a state approved school, be accepted and enrolled in a public or independent post- secondary institution, not have been found guilty or plead *nolo contendere* to a felony charge, and use the award within three years of high school graduation. Students **MUST** register on-line.

Requirements	Florida Academic Scholars Award	Florida Medallion Scholars Award	Florida Gold Seal Vocational Scholars Award
<b>Grade Point Average GPA</b>	3.5 weighted GPA based on the Bright Futures Weighting System using the 16 credits listed below	3.0 weighted GPA based on the Bright Futures Weighting System using the 16 credits listed below.	3.0 weighted GPA based on the Bright Futures Weighting System using the 16 credits listed below with a 4 year diploma AND a 3.5 un-weighted GPA in a minimum of 3 vocational credits in one vocational program
<b>Required Credits</b>	4 English 4 Mathematics (Algebra I level and above) 3 Natural Science (2 with substantial lab) 3 Social Science  2 World Language (sequential, in the same language) <b>16 Credits Total</b>  May use up to two additional optional credits from courses in the academic areas listed above and/or AP, IB, or AICE fine arts courses to raise the GPA if necessary	4 English 4 Mathematics (Algebra I level and above) 3 Natural Science (2 with substantial lab) 3 Social Science  2 World Language (sequential, in the same language) <b>16 Credits Total</b>  May use up to two additional optional credits from courses in the academic areas listed above and/or AP, IB, or AICE fine arts courses to raise the GPA if necessary	4 English 4 Math (Algebra I level and above)  3 Natural Science  3 Social Studies (American History, World History, American Govt., Economics) 1 Total credit of fine or identified practical art(or .5 of each) 1 Physical education to include the integration of Health <b>16 Credits Total</b> Plus: a minimum of 3 career and technical education credits in one vocational program.
<b>Community Service</b>	100 hours	75 Hours	30 Hours
<b>Test Scores for Graduation Years 2014-2016</b>	1290 SAT (Verbal and Math) OR 29 ACT Composite Score Subsections from different SAT or ACT test dates may be used to qualify	1170 SAT (Verbal and Math) OR 26 ACT Composite Score Subsections from different SAT or ACT dates may be used to qualify.	SAT: 440 Verbal, 440 Math OR ACT: 17 English 18 Reading 19 Math OR PERT: 104 Reading; 99 Writing 113 Math

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## **SPECIAL PROGRAMS**

### **ADVANCED PLACEMENT CHOICE PROGRAM (APC)**

The AP Choice Program is a structured program for the academically talented and highly motivated student. Our mission is to guide, to inspire, and to recognize students who pursue a specific program of academic excellence. The Advanced Placement Choice Program offers students academic challenges and introduces them to college-level work beginning their freshman year of high school. Students entering the APC Program take several Pre-AP (APC) courses in ninth and tenth grade to introduce them to the demands of college-level work and to prepare them for Advanced Placement classes. Students also take at least one AP course each year and a minimum of 6 total AP courses before they graduate. Students who successfully complete the program will receive an APC seal on their diploma and an honor cord at graduation.

### **ADVANCEMENT VIA INDIVIDUAL DETERMINATION (AVID)**

The AVID (Advancement Via Individual Determination) program is designed to increase learning and performance for students. The mission of AVID is to ensure that all students in the program complete a college preparatory path, succeed in honors and AP classes, participate in school activities and become educated and responsible participants in school and the community. Study skills, test taking strategies and tutoring are important parts of the program. Desire to enter a college program is essential. Students interested in this program are encouraged to submit their names to their guidance counselor. Interviews for qualified candidates will be conducted in the spring.

### **CAREER AND TECHNICAL EDUCATION**

CTE is a program comprised of career themed academies such as Academy of Information Technology, Academy of Finance, Project Lead The Way (PLTW) our Science, Technology, Engineering and Math program, Academy of Agricultural and Animal Sciences, Early Childhood Teaching Academy and our Academy of Digital Video Production. These career academies provide a small, personalized learning community within the high school setting in which students learn both academic and technical curricula within the context of an industry or career area. The courses provide invaluable hands on experience and better prepare students for college and the work place.

### **ENGLISH for SPEAKERS of OTHER LANGUAGES (ESOL)**

This program fulfills the English requirements for graduation for those students who have recently arrived in the United States and whose native language is not English. Students levels of English proficiency with appropriate materials and strategies. In conjunction with these English/ESOL courses, we offer Developmental Language courses as a language arts block.

### **EXCEPTIONAL EDUCATION**

Special programs are available to meet the needs and abilities of the exceptional education students staffed into an ESE program and have a current Individual Education Plan. ESE course offerings for standard diploma students include specific Co-Taught classes along with Learning Strategies. ESE course offerings for special diploma students include academic, vocational, career and job training. The Exceptional Student Education program plays an important part in addressing the needs of students who are special learners. The primary focus on each ESE program is to provide the most appropriate educational services for the student through nationally recognized curricula and behavioral approaches. If you have specific questions regarding the Exceptional Education Program at Timber Creek High School, please contact Ms. Molina, ESE Staffing Specialist, at 321-235-7831 or at [memry.molina@ocps.net](mailto:memry.molina@ocps.net).

## **COLLEGE DUAL ENROLLMENT VALENCIA AND UNIVERSITY OF CENTRAL FLORIDA**

Dual enrollment at Valencia College (VC) or University of Central Florida (UCF) is an academic opportunity for qualified high school students to jump start on a college education. Students receive both high school and college credits for courses completed. Timber Creek High School counselors, teachers, and parents are key individuals to help student(s) determine if they are mature and motivated to handle college level instruction. The amount of work necessary to succeed in college dual enrollment courses is usually much more rigorous and demanding than high school course.

Timber Creek High School requires the following:

- Have counselor approval
- Must be entering 11<sup>th</sup> or 12<sup>th</sup> grade year
- Must be 16 years or older
- Be on track for high school graduation (GPA, Assessments, and Credits)
- Meet college GPA/assessment score requirements
- Take an equivalent of seven classes per semester at TCHS and VC/UCF combined or 6 if you are a senior with flex)
- Maintain a “B” or above average on all high school courses (3.0 unweighted).

To attend Valencia College, students must complete an application and take any one of the following standardized tests: ACT, SAT, or PERT (College Placement Test). To attend UCF students must meet the requirements or acceptance into the university. Additional information is available in the guidance office.

All applications and assessment scores must be submitted by the parent or student directly to the college for acceptance by the college due date. Use the links below for application due dates.

**Valencia College:** <http://valenciacollege.edu/dual/documents/quick-reference-guide.pdf>

**University of Central Florida:** <https://admissions.ucf.edu/dual-enrollment-and-early-admission>

### **HOW DOES DUAL ENROLLMENT IMPACT BRIGHT FUTURES?**

Although OCPS will transfer Dual Enrollment credits into our system as full credits, Bright Futures **may not** award the same full credit. Since most DE students are also Bright Futures candidates, you must be aware of the courses and possible credit discrepancy between Bright Futures and OCPS so these students will qualify for their scholarship.

The Social Studies subject area is the most commonly affected by this difference. World Languages is another area to have an awareness of the credit values.

To check the credit value of a course, go to the Bright Futures website and check the course on the Comprehensive Course Table. Below is the web link:

**Bright Futures:** [https://www.osfaffelp.org/bfiehs/fnbpcm02\\_CCTMain.aspx](https://www.osfaffelp.org/bfiehs/fnbpcm02_CCTMain.aspx)

Or Contact Bright Futures Toll-Free at: 1-888-827-2004 or email: [osfa@fldoe.org](mailto:osfa@fldoe.org)

### **OCPS TECH CENTER DUAL-ENROLLMENT**

Several technical/vocational centers participate with selected high schools in a Dual Enrollment Program which provides students with an opportunity to take vocational electives at Mid-Florida Tech, Orlando Tech, and Winter Park Tech, while obtaining the required academic courses at their high schools. Students must be classified as a Junior or Senior. Students typically earn three elective credits per year by enrolling in a three-hour vocational program, plus three periods at Timber Creek High School. Students must complete an application and be on track for graduation.

## CORE COURSES

### LANGUAGE ARTS

#### **English 1 (1001310)**

#### **English 1 Honors (1001320)**

**Credit:** 1.0

English 1 provides the fundamentals of grammar, writing, vocabulary, and literature. Applied technical strategies are used to enhance oral and written communication and hone critical thinking skills.

#### **English 1 through ESOL (1002300)**

**Credit:** 1.0

The purpose of the course is to provide integrated educational experiences in the language arts. Students are given additional support to master fundamentals of grammar, writing, and vocabulary. Classroom instruction is in accordance with state guidelines.

#### **English 2 (1001340)**

#### **English 2 Honors (1001350)**

**Credit:** 1.0

English 2 continues the development and application of critical thinking skills for college and the workplace. Students integrate persuasive and expository writing, literary genre, and world literature with formal communication skills. Skills are emphasized that will appear on the Florida Comprehensive Assessment Test.

#### **English 2 through ESOL (1002310)**

**Credit:** 1.0

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, interpreting, and analyzing literature. Students will build on the foundation provided in English 1 through ESOL. Skills are emphasized that will appear on the Florida Comprehensive Assessment Test.

#### **English 3 (1001370)**

#### **English 3 Honors (1001380)**

**Credit:** 1.0

The focus of English 3 is to expose students to American Literature. In addition, students build research skills to construct and compose full essays and major term papers. Applied technical strategies are used to enhance oral and written communication and higher level thinking skills.

#### **AP English Language (1001420)**

**Credit:** 1.0

The purpose of this college-level course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language. The course is designed to develop flexible writers who are able to write for a variety of purposes. This course will meet the Language Arts requirement for junior level English, and requires higher level reading and mature thinking. Class will prepare students for the Advanced Placement examination that may qualify for university credits.



### **English 3 through ESOL (1002320)**

**Credit:** 1.0

The purpose of this course is to provide integrated educational experiences in the language arts strands of reading, writing, listening, interpreting and analyzing literature. Students will build on the foundations provided by previous courses. The course requirements are consistent with the English 3. Classroom instruction is in accordance with state guidelines.

### **English 4 (1001405)**

#### **English 4 Honors (1001410)**

**Credit:** 1.0

The focus of English 4 is to expose students to classics in British Literature. Students read and interpret information from various sources including technology to create polished written and oral products. Applied technical strategies are used to enhance oral and written communication and higher level thinking skills.

### **AP English Literature (1001430)**

**Credit:** 1.0

Students study and discuss great works of literature from various genres and periods. Frequent reading and writing assignments focus on the critical analysis of literature and are designed to develop the students' understanding of style, subject, and audience. This course will meet the Language Arts requirement for senior level English, and requires higher level reading and mature thinking. Class will prepare students for the Advance Placement examinations that may qualify for university credits.

### **Freshman Comp I (On Campus Dual Enrollment) (ENC1101)**

**Credit:** 1.0 (This class is a semester long and only offered in the fall)

**Prerequisites:** Must apply and be accepted to Valencia Dual Enrollment Program. See program requirements and due dates at <http://valenciacollege.edu/dual/documents/quick-reference-guide.pdf>

### **Freshman Comp II (On Campus Dual Enrollment) (ENC1102)**

**Credit:** 1.0 (This class is a semester long and only offered in the spring)

**Prerequisites:** Freshman Comp I. Must apply and be accepted to Valencia Dual Enrollment Program. See program requirements and due dates at <http://valenciacollege.edu/dual/documents/quick-reference-guide.pdf>

## MATH

Students will be required to use a graphing calculator. Please see you math teacher before you purchase a calculator for suggestions.

### **Algebra1 (1200310)**

#### **Algebra 1 Honors (1200320)**

**Credit:** 1.0

These courses are designed to provide the foundation for advanced mathematics courses and to develop skills needed to solve mathematical problems. Topics include, but are not limited to the following: sets, variables, structures and properties of the real number system, first-degree equations and inequalities, relations, functions, graphs, systems of linear equations and inequalities, integral exponents, polynomials, rational algebraic expressions, irrational numbers, radical expressions and quadratic equations.

### **Algebra 2 (1200330)**

#### **Algebra 2 Honors (1200340)**

**Credit:** 1.0

These courses are designed to continue the study of the structure of algebra, providing the foundations for applying these skills to other mathematical and scientific fields. Topics include, but are not limited to the review and extension of the structure and properties of the real number system, relations, functions and graphs, polynomials and rational expressions, quadratic equations and inequalities, conic sections, functions, rational and irrational exponents, logarithms and complex numbers. These courses are taught utilizing graphing calculators. Algebra II Honors is a course of rigorous in-depth study of the topics of Algebra II with emphasis on theory, proof and development of formulas, as well as their applications.

### **Geometry (1206310)**

#### **Geometry Honors 1206320)**

**Credit:** 1.0

Designed to develop critical thinking involving the discovery of relationships and skills in using the deductive method in mathematical situations. Practical applications of geometric skills and concepts in the real world are included. Topics shall include, but not be limited to logic and reasoning, the study of Euclidean geometry of lines, planes, angles, triangles, similarity, congruence, geometric inequalities, polygons and circles, area and volume, and constructions. Geometry Honors is a course of rigorous in-depth study of the topics of Geometry with emphasis on theory, proof, and development of formulas, as well as their applications.

### **Analytic Geometry Honors (1206330)**

**Credit:** .5 (This should be taken in conjunction with Trigonometry)

Analytic Geometry stresses the relationship between algebra, geometry and trigonometry and uses this relationship in preparation for calculus. Topics include vectors in a plane, vector properties and relationships, vector and Cartesian equations, families of curves, conic sections including translation and rotation of axes, equations and graphs of curves in polar form, analytic proofs and parametric equations.

### **Trigonometry Honors (1211300)**

**Credit:** .5 (This should be taken in conjunction with Analytic Geometry)

Trigonometry studies circular and trigonometry functions and their applications. Topics include trigonometry identities, graphs of trigonometry functions, circular functions, particular and general solutions of trigonometry equations, solutions of right and oblique triangles and vectors.

### **Advanced Algebra with Financial Applications (1200500)**

**Credit:** 1.0

This course develops algebra skills and the emphasis on practical skills. Topics include expressions, equations, factoring, and geometry.

### **Math for College Readiness (1200700)**

**Credit:** 1.0

Prerequisite - Appropriate score on PERT, Algebra II

The purpose of this course is to strengthen the skill level of high school seniors who have completed Algebra I, II, and Geometry and who wish to pursue credit generating mathematics courses at the college level.

### **Probability and Statistics with Applications Honors (1210300)**

**Credit:** 1.0

**Prerequisites:** Successfully completed Algebra 2

This course is an introduction to probability and statistics. It is intended to prepare the students to take statistics in college. The course includes a study of the major concepts and tools for collecting, analyzing and drawing conclusions from data.

### **Pre-Calculus Honors (1202340)**

**Credit:** 1.0

**Prerequisites:** Successfully completed Algebra 2 Honors

This is an honors course designed to provide a foundation for the study of Calculus. Topics include, but are not limited to an analysis of algebraic, exponential, trigonometric functions; introduction to limits, probability and statistics, vectors, matrices, analytic geometry, polar and parametric equations, complex numbers and infinite series.

### **AP Calculus AB (1202310)**

### **AP Calculus BC (1202320)**

**Credit:** 1.0

**Prerequisites:** Successfully completed Pre-Calculus

These courses are intended for students who have a thorough knowledge of college preparatory mathematics. It is a course in introductory calculus with elementary (algebraic, trigonometric, exponential and logarithmic) functions. Topics include, but are not limited to functions and graphs, limits and continuity, derivatives and integrals, and their applications. These courses are taught utilizing graphing calculators and will meet graduation requirements for Math. BC Calculus topics expand from the AB course are presented with increased rigor and more applications. Additional topics in sequences and series are included. Class will prepare students for the Advance Placement examinations.

**AP Statistics (1210320)****Credit:** 1.0

The purpose of the AP course in Statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. The four broad conceptual themes are exploring data, planning a study, anticipating patterns in advance (simulation) and statistical inference. This course is taught utilizing graphing calculators and will meet graduation requirements for Mathematics. Class will prepare students for the Advance Placement examinations that may qualify for university class credits.

**College Algebra (On Campus Dual Enrollment) (MAC1105)****Credit:** 1.0 (This class is a semester long and only offered in the fall)**Prerequisites:** Must apply and be accepted to Valencia Dual Enrollment Program. See program requirements and due dates at <http://valenciacollege.edu/dual/documents/quick-reference-guide.pdf>**College Trigonometry (On Campus Dual Enrollment) (MAC1114)****Credit:** 1.0 (This class is a semester long and only offered in the spring)**Prerequisites:** College Algebra (MAC 1105). Must apply and be accepted to Valencia Dual Enrollment Program. See program requirements and due dates at <http://valenciacollege.edu/dual/documents/quick-reference-guide.pdf>

## SCIENCE

Most of the courses offered through the science department will have a heavy emphasis on the processes of science. These include, but are not limited to, formulating questions, making predictions, planning and doing experiments, making observations, classifying, interpreting and analyzing data, drawing conclusions, and communicating information. To help defray the costs of these investigative science classes, a \$10.00 lab donation will be requested. Courses with an (EQ) are considered “equally rigorous” by the FLDOE and will count toward a rigorous science credit.

### **Integrated Science (EQ) (2002400)**

**Credit:** 1.0

**Prerequisites:** None

An ninth grade course designed to provide a foundation for concepts learned in later sciences.

### **Biology I (2000310)**

**Credit:** 1.0

**Prerequisites:** None

Topics of study include the scientific method, cell biology, genetics, microbiology, ecology, human systems and evolution of living organisms.

### **Biology I Honors (2000320)**

**Credit:** 1.0

**Prerequisites:** None

In-depth study of the topics in Biology I. Greater emphasis on experimentation and current biological issues. Preparation for AP Biology or college biology.

### **APC Biology I Honors (2000320APC)**

**Credit:** 1.0

**Prerequisites:** None

In-depth study of the topics in Biology I. Greater emphasis on experimentation and current biological issues. Preparation for AP Biology or college biology.

### **AP Biology (EQ) (2000340)**

**Credit:** 1.0

**Prerequisites:** 10<sup>th</sup> grade and above

Topics include molecular and cellular biology, heredity and evolution, ecology, survey of living organisms, and population biology. Strong lab component. College level text/instruction. College credit possible.

### **Biology Honors/ AP Biology Block (EQ) (2000320 & 2000340)**

**Credit:** 2.0

**Prerequisites:** none

This is a combo class where students will take Biology Honors and AP Biology in a double period block.

### **Chemistry I (EQ) (2003340)**

**Credit:** 1.0

**Prerequisites:** Algebra 1

Students study the composition, properties, and changes of matter. They also develop basic laboratory skills, including the ability to collect, analyze, and use data.

### **Chemistry I Honors (EQ) (2003350)**

**Credit:** 1.0

**Prerequisites:** Algebra II or taking Alg. II- (honors recommended)

In-depth study of Chemistry I topics. Greater emphasis on analysis, problem solving and experimentation. The laboratory experiences are challenging and require the student to invest additional time outside of class.

### **AP Chemistry (EQ) (2003370)**

**Credit:** 1.0

**Prerequisites:** Algebra II honors

AP Chemistry is equivalent to the general chemistry course usually taken during the first year of college. In this course, students attain an understanding of the fundamentals of chemistry and chemical problems. Through detailed laboratory investigations, lectures, and outside assignments, they study such areas as the structure of matter, kinetic, theory, and the basic concepts of thermodynamics.

### **Physics I (EQ) (2003380)**

**Credit:** 1.0

**Prerequisites:** Algebra I

The class is the study of the physical world. The general premise is that the world around you follows some basic laws and those laws can be expressed mathematically. Laboratory activities are designed to help students understand those laws and study them in detail. The topics covered in the class are broad, such as kinematics, mechanics, and energy. The applications of the rules inside each topic are specific. Are you curious about how roller coasters and rockets work? Wonder why people on board the space station appear to be weightless? Curious about big things like stars and little things like atoms? These topics and many others will be covered in this class.

### **Physics Honors (EQ) (2003390)**

**Credit:** 1.0

**Prerequisites:** Algebra II

The topics of study in this class are the same as they are for Physics I, but the class is for students who have a stronger mastery of mathematics. The laboratory activities are slightly different and the class tends to move through topics a bit slower than Physics I because those topics are covered in greater detail.

### **AP Physics (EQ) (2003440)**

**Credit:** 1.0

**Prerequisites:** Students must be taking either Pre-Calculus or Calculus concurrently

This course is a college-level class for students who are strong in mathematics and have an interest in science. The fundamental properties of kinematics and mechanics are covered in great detail. The laboratory activities are slightly different than those from Honors Physics. Students who pass the AP test at the end of the year may earn college credits.

### **AP Environmental Science (EQ) (2001380)**

**Credit:** 1.0

**Prerequisites:** Biology 1, or Chemistry 1 (Honors recommended)

Advanced study of human interactions with the environment. Includes scientific analysis methodology, ecosystem study, energy relations in ecosystems, environmental decision making. Includes a strong research component. (EQ)

### **Anatomy and Physiology I (2000350)**

**Credit:** 1.0

**Prerequisites:** Biology I, Must be a Junior or Senior & completed required sciences

Provides students with exploratory activities in the structure and functions of the components of the human body. Content includes biological/medical terminology as well as study of body cells, tissues, organs, and body systems. Emphasis is placed on factors that affect human health.

### **Anatomy and Physiology Honors (EQ) (2000360)**

**Credit:** 1.0

**Prerequisites:** Biology 1 Honors, Must be a Junior or Senior & completed required sciences

Designed for the college-bound student who is considering a medical career or science as a major. Involves developing effective research skills. Advanced content includes the structures and functions of the human body as well as the inter-relationship of the body systems in health and disease.

### **Genetics Honors (EQ) (2000440)**

**Credit:** 1.0

**Prerequisites:** Biology, Must be a Junior or Senior & completed required sciences

Genetics- Investigates and explores the patterns of inheritance in nature including the study of genes and the source of variation in all living things. Genetics will cover heredity in living systems through the understanding of gene structure and function with an emphasis on animal relationships and evolution.

### **Forensics (Biology 2 Honors) (EQ) (2000330)**

**Credit:** 1.0

**Prerequisites:** Biology & Chemistry, Must be a Junior or Senior & completed required sciences

An interdisciplinary extension of integrated science, biology, geology, physics, and chemistry. Topics include: crime scene investigation, arson, documents, trace evidence (hairs, fibers), DNA (serology), drugs (toxicology), firearms, fingerprints, and geology. This course is designed for junior or seniors and will be taught at the honors level with a strong emphasis on biochemistry.

### **Marine Science (2002500)**

#### **Marine Science Honors (EQ) (2002510)**

**Credit:** 1.0

**Prerequisites:** Biology 1, Must be a Junior or Senior & completed required sciences

Designed to give an overview of the sciences connected with the ocean. It is a comprehensive science which incorporates Oceanography and an introduction to Marine Biology. Topics include, but are not limited to the following: currents, tides, waves, marine technology, ocean resources, topography, marine ecology, chemical and physical characteristics of the sea, and ocean exploration. This course will be enriched by experiments, projects and library research.

**Zoology (2000410)**

**Credit:** 1.0

**Prerequisites:** Biology I, Must be a Junior or Senior & completed required sciences

Provides an in-depth study of the animal kingdom. Topics include, but are not limited to the following: animal cell structure and function, animal genetics, animal classification and use of the taxonomic key, comparative invertebrate and vertebrate anatomy and physiology, animal behavior and lifestyles, man's interrelationships with animals.

**Medical Research Honors (2002340)**

**Credit:** 1.0 (Does not count as a science credit)

**Prerequisites:** Biology 1, Must be a Junior or Senior & completed required sciences

This course is to introduce students to the world of healthcare, the many skills involved, and a variety of careers. Units studied include: facilities, medical law, ethics, vital sign, medicine, medical math, nutrition, and the patient exam process.



## SOCIAL STUDIES

### **World Cultural Geography (2103300)**

**Credit:** 1.0

**Prerequisites:** none

The study of world cultural regions in terms of location, physical characteristics, demographics, historical changes, land use, and economic activity. Content should include, but is not limited to, the use of geographic tools and skills to gather and interpret data and to draw conclusions about physical and human patterns, the relationships between physical geography and the economic, political, social, cultural and historical aspects of human activity, patterns of population growth and settlement in different cultures and environments, the interaction between culture and technology in the use, alteration and conservation of the physical environment, and the interrelationships and interdependence of world cultures.

### **World History (2109310)**

### **World History Honors (2109320)**

**Credit:** 1.0

**Prerequisites:**

These courses will provide an understanding of the contemporary world through an overview of the growth of world religions, the development of political traditions, contemporary world cultures and current international events. This course will meet graduation requirements for World History.

### **AP World History (2109420)**

**Credit:** 1.0

**Prerequisites:** sophomore or higher

This course is designed to develop greater understanding of the evolution of global processes and contacts in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. This course focuses primarily on the past thousand years of the global experience, building on understanding of cultural, institutional and technological precedents that, along with geography, set the stage prior to 1000 C.E. This course will meet the graduation requirement for World History. Class will prepare students for the Advance Placement examinations that may qualify for university class credits.

### **American History (2100310)**

### **American History Honors (2100320)**

**Credit:** 1.0

**Prerequisites:** designed for juniors

These courses are designed to develop an understanding of the American experience. The courses begin with a brief overview of the Pre-Colombian America and moves to the colonization and early development of the country. That early development culminates with the student's exploration of the Civil War and Reconstruction Era. The course continues with an in-depth study of America's rise to power, the Populist and Progressive movements, World War I and the Stock Market Crash. They continue with an in-depth study of the Depression, World War II, the fifties, sixties, the Vietnam War, Watergate and the 1990's. These courses will meet graduation requirements for American History.

### **AP American History (2100330)**

**Credit:** 1.0

**Prerequisites:** designed for juniors or seniors

This course includes advanced content in American history, emphasizing critical essay writing, primary and secondary source research techniques, in-depth interpretations and analysis of the traditional historical periods in a chronological survey of American history. This course will meet the graduation requirement for American History. Class will prepare students for the Advance Placement examinations that may qualify for university class credits.

### **American Government (2106310)**

#### **American Government Honors (2106320)**

**Credit:** .5

**Prerequisites:** designed for seniors

These courses provide students the opportunity to acquire an understanding of American Government and political behavior. Content will include an analysis of documents which shape our political traditions; a comparison of the roles of the three branches of government at the local, state, and national levels; an understanding of the evolving role of political parties and interest groups in determining government policy; how the rights and responsibilities of citizens in a democratic state have evolved; and the importance of civic participation in the democratic political process.

### **AP American Government (2106420)**

**Credit:** .5 (Must take with AP Econ)

**Prerequisites:** designed for seniors

This course provides students with the opportunity to develop the analytical skills and factual knowledge necessary to deal critically with the problems, content and materials of American Government. Emphasis is placed on content and interpretation of the Constitution, federalism, the Congress, the Presidency, the Federal Court system, citizen involvement, American political traditions and responsibilities of citizens. Class will prepare students for the Advanced Placement examinations that may qualify for university class credits.

### **Economics (2102310)**

#### **Economics Honors (2102320)**

**Credit:** .5

**Prerequisites:** designed for seniors

These courses include a study of the ways society uses its limited resources to satisfy unlimited wants. Content also includes basic economic problems, the market system and structures, the roles of labor, business and financial institutions, the role of the consumer and producer, international trade and the history of economic thought. This course will meet the graduation requirement for Economics.

### **AP Macroeconomics (2102370)**

**Credit:** .5 (Must take with AP Gov.)

**Prerequisites:** none

This course will provide students the opportunity to develop the analytical skills and factual knowledge necessary to deal critically with the problems, content and materials of economics. Particular emphasis will be placed on macroeconomics, the study of economic systems with lesser attention given to microeconomics or the study of the individual components of the economy. Specific content will focus on a comprehensive study of the ways societies organize for utilization of limited resources to satisfy unlimited wants.

*All courses are subject to change or deletion based upon enrollment and/or teacher availability*

## READING

Students will be placed in a reading class by their counselor based on FCAT score. No students should select reading when registering for courses.

### **9<sup>th</sup>/10<sup>th</sup> Grade Intensive Reading Block (1000410A)**

### **11<sup>th</sup>/ 12<sup>th</sup> Grade Intensive Reading Block (1000410B)**

**Credit:** 2.0

**Prerequisites:** none

Students will be placed into this course per the Student Progression Plan when FCAT scores are received in the summer. This course is designed to provide remediation and support for students scoring at level 1 on FCAT Reading and to provide a bridge to Language Arts. Emphasis will be on developing critical reading skills to assist students in being successful on the FCAT reading as well as developing focus, organization, and elaboration skills to assist students in being successful on the 10<sup>th</sup> grade FCAT Writes.

### **9<sup>th</sup> Grade Intensive Reading (1000410C)**

### **10<sup>th</sup> Grade Intensive Reading (1000410D)**

### **11<sup>th</sup> Grade Intensive Reading (1000410E)**

### **12<sup>th</sup> Grade Intensive Reading (1000410F)**

**Credit:** 1.0

**Prerequisites:** none

Students will be placed into this course when FCAT scores are received in the summer. This course is designed to provide remediation and support for students scoring at level 2 on FCAT and to provide a bridge to Language Arts. Emphasis will be on developing critical reading skills to assist students in being successful on the FCAT reading as well as developing focus, organization, and elaboration skills to assist students in being successful on the 10<sup>th</sup> grade FCAT Writes. In addition, students will work in grammar/mechanics, study skills, time management, and test-taking skills.

## WORLD LANGUAGES

### **German 1 (0702320)**

**Credit:** 1.0

**Prerequisites:**

German 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

### **German 2 (0702330)**

**Credit:** 1.0

**Prerequisites:** German 1

German 2 reinforces the fundamental skills acquired by the students in German 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in German 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

### **German 3 Honors (0702340)**

**Credit:** 1.0

**Prerequisites:** German 2

German 3 provides mastery and expansion of skills acquired by the students in German 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.

### **German 4 Honors (0702350)**

**Credit:** 1.0

**Prerequisites:** German 3

German 4 expands the skills acquired by the students in German 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.

### **AP German Language (0702380)**

**Credit:** 1.0

**Prerequisites:** German 3 or native proficiency

AP German Language is a course designed for the highly motivated fourth or fifth year student to gain proficiency in German. The course is taught entirely in the German language and students are expected to speak only German. This is a third-year college course equivalent offered at the high-school level in which the student can earn up to 6 hours of college credit with successful completion (usually a grade of 3 or higher) of the AP German Examination offered each May by the College Board. This course is based on The Standards for Foreign Language learning in the 21st Century. Students develop proficiency in the interpretive, interpersonal and the presentational communicative modes.

### **Spanish 1 (0708340)**

**Credit:** 1.0

**Prerequisites:**

Spanish 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

### **Spanish 2 (0708350)**

**Credit:** 1.0

**Prerequisites:** Spanish 1

Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

### **Spanish 3 Honors (0708360)**

**Credit:** 1.0

**Prerequisites:** Spanish 2

Spanish 3 provides mastery and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.

### **Spanish 4 Honors (0708370)**

**Credit:** 1.0

**Prerequisites:** Spanish 3

Spanish 4 expands the skills acquired by the students in Spanish 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes, including writing. Reading selections are varied and taken from the target language newspapers, magazines, and literary works.

### **AP Spanish Language (0708400)**

**Credit:** 1.0

**Prerequisites:** Spanish 3 or native fluency. Summer reading required

AP Spanish Language is a course designed for the highly motivated fourth or fifth year student to gain proficiency in Spanish. The course is taught entirely in the Spanish language and students are expected to speak only Spanish. This is a third-year college course equivalent offered at the high-school level in which the student can earn up to 6 hours of college credit with successful completion (usually a grade of 3 or higher) of the AP Spanish. This course is based on The Standards for Foreign Language learning in the 21st Century. Students develop proficiency in the interpretive, interpersonal and the presentational communicative modes.

### **AP Spanish Literature (0708410)**

**Credit:** 1.0

**Prerequisites:** AP Spanish Language Course. Reading list required.

Third-year equivalent of college introduction to Hispanic literature course, the Advanced Placement Spanish Literature course is designed for students to expand their analysis and interpretation of Peninsular, Latin, and American literature readings. The course provides opportunities to enhance the students' study of Spanish structure, style, themes, figurative language, imagery, symbolism, and tone in literature. The reading selections on the list are of literal significance and represent various historical periods such as Medieval and Golden Age, Nineteenth-Century, and the Twentieth Century, literary movements, genres, and geographic areas in the Hispanic world.

### **Latin 1 (0706300)**

**Credit:** 1.0

**Prerequisites:** none

Latin 1 introduces students to the target language and its culture. The student will develop a thorough understanding of the written language as well as of the influence the language and culture has had on other world languages, culture, government, arts and laws. Emphasis is placed on proficient understanding in the reading of the language. An introduction to writing is also included as well as culture, connections, comparisons, and communities.

Special Note: Latin students will focus more on reading and interpreting written passages rather than using oral modes of communication.

### **Latin 2 (0706310)**

**Credit:** 1.0

**Prerequisites:** Latin 1

Latin 2 expands the skills acquired by students in Latin 1. Specific content includes, but is not limited to, expansion of vocabulary and translation skills through comprehension of selected readings. Vocabulary and grammar stresses activities which are important to prepare for translating the works of authentic authors in the target language. In presentational speaking and presentational writing, Latin students will present projects and reports of the research they have done about the culture, arts, history, politics, literature and mythology of the target language in English.

Special Note: Latin students will focus more on reading and interpreting written passages rather than using oral modes of communication.

### **Latin 3 Honors (0706320)**

**Credit:** 1.0

**Prerequisites:** Latin 2

Latin 3 expands the skills acquired by students in Latin 2. Specific content includes, but is not limited to, expansion of vocabulary and translation skills through comprehension of selected readings. Vocabulary and grammar stress activities which are important to authors such as Caesar, Cicero, Plautus, Ovid, Catullus, Horace, Pliny, Sallust, Juvenal and Vergil. In presentational speaking, Latin students will present projects and reports of the research they have done about the culture, arts, history, politics, literature and mythology of the target language in English. For presentational writing, students will write essays of literary criticism to prepare for those expected in Advanced Placement and college classes.

Special Note: Latin students will focus more on reading and interpreting written passages rather than using oral modes of communication.

### **Latin 4 Honors (0706330)**

**Credit:** 1.0

**Prerequisites:** Latin 3

Latin 4 expands the skills acquired by students in Latin 3. Specific content includes, but is not limited to, expansion of vocabulary and translation skills through comprehension of selected readings. Vocabulary and grammar stress activities which are important to authors such as Caesar, Cicero, Plautus, Ovid, Catullus, Horace, Pliny, Sallust, Juvenal and Vergil. In presentational speaking, Latin students will present projects and reports of the research they have done about the culture, arts, history, politics, literature and mythology of the target language in English. For presentational writing, students will write essays of literary criticism to prepare for those expected in Advanced Placement and college classes.

Special Note: Latin students will focus more on reading and interpreting written passages rather than using oral modes of communication.

### **French 1 (0701320)**

**Credit:** 1.0

**Prerequisites:** none

French 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

**French 2 (0701330)****Credit:** 1.0**Prerequisites:** French 1

French 2 reinforces the fundamental skills acquired by the students in French 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in French 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

**French 3 Honors (0701340)****Credit:** 1.0**Prerequisites:** French 2

French 3 provides mastery and expansion of skills acquired by the students in French 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.

**AP French Language (0701380)****Credit:** 1.0**Prerequisites:** French 3

AP French Language is a course designed for the highly motivated fourth or fifth year student to gain proficiency in French. The course is taught entirely in the French language and students are expected to speak only French. This is a third-year college course equivalent offered at the high-school level in which the student can earn up to 6 hours of college credit with successful completion (usually a grade of 3) of the AP French Examination offered each May by the College Board. This course is based on The Standards for Foreign Language Learning in the 21st Century. Students develop proficiency in the interpretive, interpersonal and the presentational communicative modes.

**American Sign Language 1 (0717300)****Credit:** 1.0**Prerequisites:** 10th grade or higher

Development of basic ASL skills with emphasis on receptive-expressive signing, applied grammar and real-life applications.

**American Sign Language 2 (0717310)****Credit:** 1.0**Prerequisites:** American Sign Language 1

Development of intermediate ASL skills with additional emphasis on cross-cultural knowledge.

**American Sign Language 3 Honors (0717312)****Credit:** 1.0**Prerequisites:** American Sign Language 2

Development of intermediate ASL skills with additional emphasis on cross-cultural knowledge

### **Chinese 1 (0711300)**

**Credit:** 1.0

**Prerequisites:** none

Chinese 1 introduces students to the target language and its culture. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

### **Chinese 2 (0711310)**

**Credit:** 1.0

**Prerequisites:** Chinese 1

Chinese 2 reinforces the fundamental skills acquired by the students in Chinese 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Chinese 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

### **Chinese 3 Honors (0711320)**

**Credit:** 1.0

**Prerequisites:** Chinese 2

Chinese 3 provides mastery and expansion of skills acquired by the students in Chinese 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities in which, are important to the everyday life of the target language-speaking people.

### **Chinese 4 (0711330)**

**Credit:** 1.0

**Prerequisites:** Chinese 3

Chinese 4 expands the skills acquired by the students in Chinese 3. Specific content includes, but is not limited to, more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There is additional growth in vocabulary for practical purposes including writing. Reading selections are varied and taken from newspapers, magazines, and literary works.

### **AP Chinese (0711340)**

**Credit:** 1.0

**Prerequisites:** Chinese 3 Honors

The purpose of this course is to develop oral and written Chinese linguistic accuracy, strategic and meta-cognitive skills, and an understanding of contemporary and historical Chinese culture. Based on the results of the Advanced Placement exam, colleges and universities may award class credits.



## ELECTIVES

### **AVID: COLLEGE READINESS PROGRAM**

Advancement Via Individual Determination (AVID) is an academic elective course that prepares students for college readiness and success, and it is scheduled during the regular school day as a year-long course. Each week, students receive instruction utilizing a rigorous college preparatory curriculum provided by AVID Center, tutor-facilitated study groups, motivational activities and academic success skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, organization and reading to support their academic growth.

#### **AVID 9th (1700390)**

**Credit: 1.0**

**Prerequisites:** Must be accepted into the program.

Some students will have previous experience with AVID at the middle grades, and some students will be experiencing AVID for the first time. Either way, the ninth grade AVID Elective course will serve as a review of the AVID philosophy and strategies. Students will work on academic and personal goals and communication, adjusting to the high school setting. Students will increase awareness of their personal contributions to their learning, as well as their involvement in their school and community. There is an emphasis on analytical writing, focusing on personal goals and thesis writing. Students will work in collaborative settings, learning how to participate in collegial discussions and use sources to support their ideas and opinions. Students will prepare for and participate in college entrance and placement exams, while refining study skills and test-taking, note-taking, and research techniques. They will take an active role in field trip and guest speaker preparations and presentations. Their college research will include financial topics and building their knowledge on colleges and careers of interest.

#### **AVID 10<sup>th</sup> (1700400)**

**Credit: 1.0**

**Prerequisites:** Must be accepted into the program.

During the tenth grade AVID Elective course, students will refine the AVID strategies to meet their independent needs. Students will continue to refine and adjust their academic learning plans and goals, increasing awareness of their actions and behaviors. As students increase the rigorous course load and school/community involvement, they will refine their time management and study skills accordingly. Students will expand their writing portfolio to include: analyzing prompts, supporting arguments and claims, character analysis and detailed reflections. Students will also analyze various documents, in order to participate in collaborative discussions and develop leadership skills in those settings. Students will expand their vocabulary use, continuing to prepare for college entrance exams and preparation. Text analysis will focus on specific strategies to understand complex texts. Lastly, students will narrow down their college and careers of interest, based on personal interests and goals.

#### **Senior Seminar**

The AVID Senior Seminar is a two-year interdisciplinary course for AVID juniors and seniors. The course is designed for those students who elect to take a course that prepares them for the rigor required for four year college work. Students will engage in higher levels of WICO-R (writing, inquiry, collaboration, organization, and reading) strategies than experienced in prior years of AVID. These higher level thinking, reading, writing and oral language skills are needed to prepare students for the level of work required to produce a culminating college readiness defense project at the end of the senior year.

### **AVID 11<sup>th</sup> (1700410)**

#### **Credit: 1.0**

**Prerequisites:** Must be in the program either freshman or sophomore year.

It is during the first semester of the junior year that students learn about the two college admission tests (ACT and SAT) and the differences between them. One way for students to become familiar with these materials is to take both practice tests (the PLAN and the PSAT) and use the results to prepare for ACT and SAT testing in the spring. Students also begin to prepare for college admission by gathering materials, organizing them, and by reviewing what they have accomplished in their first two years of high school. This will prepare them for writing a résumé, a good resource when completing college applications. This is also a time to look at college entrance requirements and to access a valuable research tool: the Internet. Financing their college education is a concern for many students. In this semester, some key concepts are introduced, but little can be done in this area until the senior year. Students can also begin self-exploration to help them determine which college(s) will be a good “fit” for them.

During the second semester of the junior year, students are encouraged to take both college admissions tests. Students will prepare for the college application process by beginning drafts of their college essay(s) and also by considering whom they will ask to write letters of recommendation. Students will also need to determine priorities for their higher education so they can focus on researching colleges that “fit” these priorities. Finally, students need to plan a productive summer to ensure they are prepared for the application process in the fall. This is also the time to research the costs involved in attending college and to determine how to pay these costs. Visiting college fairs in the spring to check for “fit” and continuing the search for scholarships are also a part of the second semester of junior year.

### **AVID 12<sup>th</sup> (1700420)**

#### **Credit: 1.0**

**Prerequisites:** Must be in the program junior year.

The first semester of the senior year is a critical time for the college-bound student for this is when all the elements of college admission come together and the application is completed and submitted. College admission essays will need to be finalized, résumés updated, and materials gathered for college applications. This is also the time for financial aid arrangements to be made, beginning with completing the Free Application for Federal Student Aid (FAFSA) and continuing with scholarship research.

As students begin receiving acceptance letters, the focus second semester is time to begin preparing students for the transition from high school to college. AVID graduates visit the class and share their college experiences. As graduation nears and students prepare for the transition to college, academic, personal, and social success in college are important topics discussed in class.

## **BIOMEDICAL SCIENCE**

The PLTW Biomedical Sciences (BMS) Program is a sequence of courses all aligned with appropriate national learning standards, which follows a proven hands-on, real-world problem-solving approach to learning. Students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology and public health. Through activities, like dissecting a heart, students examine the processes, structures and interactions of the human body – often playing the role of biomedical professionals. They also explore the prevention, diagnosis and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology.

### **Principles of BioMedical Sciences Honors (EQ) (87081100)**

#### **Credit 1.0**

**Prerequisites:** none

Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses. This course is designed for 9th or 10th grade students.

### **Human Body Systems Honors (EQ) (8708110)**

#### **Credit 1.0**

**Prerequisites:** Principles of BioMedical Sciences (PBS)

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is designed for 10th, 11th or 12th grade students.

### **Medical Interventions Honors (EQ) (8708130)**

#### **Credit 1.0**

**Prerequisites:** Human Body Systems (HBS)

Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is designed for 11th or 12th grade students. After completion of this course, you are eligible to take a certification course to become a technical lab assistant. This awards 5 college credits at UF.

## **Biomedical Innovation Honors (8708140)**

### **Credit 1.0**

**Prerequisites:** Medical Interventions

Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals. This course is designed for 12th grade students.

## **BUSINESS TECHNOLOGY**

### **Computing for College & Careers (8209020)**

**Credit:** 1.0

**Prerequisites:** None; Grades: 9 – 12

This course is designed to provide a basic overview of current business and information systems and trends and to introduce students to the basics and foundations required for today's business environments. Emphasis is placed on developing proficiency with software applications as tools for accomplishing business related job objectives so that they may be used as communication tools for enhancing personal and workplace proficiency in an information-based society.

- Meets the Practical Art Credit.
- Opportunity to receive up to 3 College Credits with Valencia College (which are mandatory College Credits with any Florida PUBLIC University/Colleges).
- Opportunity to receive Industry Certification in Microsoft Office 2010.

### **Accounting Applications I (8203310) – Academy of Finance**

**Credit:** 1.0

**Prerequisites:** 'C' or better in Computing for College & Careers; Grades: 10 – 12

The content of this course includes but is not limited to double-entry accounting principles, methods of recording business transactions; preparation and analysis of various documents and financial statements; payroll records and tax forms, accounting control systems; account and transaction analysis; inventory methods; the aging process; depreciation; and the application of accounting principles to various entities.

- Opportunity to receive Industry Certification in Quickbooks.

### **Financial Internship (8815130) – Academy of Finance**

**Credit:** 1.0

**Prerequisites:** 'C' or better in CCC & Accounting Applications I; Grades: 11 – 12

This course provides students with authentic learning experiences in which they demonstrate human relations, technical, communication, and career development skills through entry level employment in the financial services industry. Through hands on project management, major tasks outlined in a training plan, mentors supervise student learning in specific skill attainment and professional development.

- Can substitute this course with AP Microeconomics AND AP Macroeconomics **OR** Finance Cooperative Education (OJT)

### **Finance Cooperative Education OJT (8501420) – Academy of Finance**

**Credit: 1.0**

**Prerequisites:** ‘C’ or better in CCC & Accounting Applications I; Grades: 11 – 12

This course provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in a finance cluster.

- Can substitute this course with AP Microeconomics AND AP Macroeconomics **OR** Financial Internship

### **Personal Financial Planning (8815120) – Academy of Finance**

**Credit: 1.0**

**Prerequisites:** ‘C’ or better in CCC, Accounting Applications I & AP Microeconomics AND AP Macroeconomics **OR** Financial Internship **OR** Finance Cooperative Education OJT; Grade: 12

This course develops an awareness of the need for care and organization in planning for wise use of economic resources and financial products available through a study of savings, credit, insurance, banking, investing and financial goals. The students are also made aware of the career opportunities offered by lending institutions.

### **Beans, Books, & Brains (8300430b)**

**Credit: 1.0**

**Prerequisites:** ‘C’ or better in CCC **OR** be taking it concurrently; Grades: 9 – 12

The purpose of this course is to provide students with the opportunity to gain practical, first-hand knowledge in one of our on-campus businesses. Our businesses are student run with a TCHS Business teacher coordinating/overseeing the process. All work experience gained can be placed on a job resume/application. This particular business is affiliated with Bernie’s Coffee & Tea Company.

- There will be MANDATORY training during Pre-Plan week (the Coordinator will contact you over the summer).
- When you sign up for this course, please stop by room 427 to supply contact information.

### **Paw Print Credit Union (8300430c)**

**Credit: 1.0**

**Prerequisites:** ‘C’ or better in CCC **OR** be taking it concurrently; Grades: 9 – 12

The purpose of this course is to provide students with the opportunity to gain practical, first-hand knowledge in one of our on-campus businesses. Our businesses are student run with a TCHS Business teacher coordinating/overseeing the process. All work experience gained can be placed on a job resume/application. This particular business is affiliated with Central Florida Federal Credit Union.

- There will be MANDATORY training during the summer (dates to come later as set by CFE).
- There is an application process to be hired to work in this business. Please stop by room 427 to pick up an application (No completed application = No Paw Print Credit Union).

### **Wolf Back Pack School Store (8300430o)**

**Credit: 1.0**

**Prerequisites:** ‘C’ or better in CCC **OR** be taking it concurrently; Grades: 9 – 12

The purpose of this course is to provide students with the opportunity to gain practical, first-hand knowledge in one of our on-campus businesses. Our businesses are student run with a TCHS Business teacher coordinating/overseeing the process. All work experience gained can be placed on a job resume/application. This particular business is affiliated with Office Max.

### **Digital Design I (8209510) – Academy of Informational Technology**

**Credit:** 1.0

**Prerequisites:** ‘C’ or better in Computing for College & Careers; Grades: 9 – 12

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, and measurement activities; decision-making activities; and digital imaging.

- Meets the Fine Art Credit.
- Opportunity to receive up to 3 College Credits with Valencia College.
- Opportunity to receive Industry Certification in Adobe.

### **Digital Design II Honors (8209520) – Academy of Informational Technology**

**Credit:** 1.0

**Prerequisites:** ‘C’ or better in CCC & Digital Design I; Grades: 10 – 12

This course is designed to develop basic entry-level skills required for careers in the digital publishing industry. The content includes computer skills; digital publishing concepts and operations; layout, design, and measurement activities; decision-making activities; and digital imaging.

- Meets the Fine Art Credit.
- Opportunity to receive Industry Certification in Adobe.

### **Digital Design III Honors (8209530) – Academy of Informational Technology**

**Credit:** 1.0

**Prerequisites:** ‘C’ or better in CCC, Digital Design I & Digital Design II; Grades: 10 – 12

This course continues the development of industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment to perform digital publishing and digital imaging activities.

- Meets the Fine Art Credit.
- Opportunity to receive Industry Certification in Adobe.

### **Business Cooperative Education OJT (8200410)**

**Credit:** 1.0 (multiple credits may be earned)

**Prerequisites:** ‘C’ or better in ANY Business/Technology class that meets the Sunshine State Standards **OR** be taking one concurrently; must be ON TARGET for graduation; Grades: 11 – 12

This course provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers.

- Provide pay stubs for the most recent 30 days.
- Supply Ms. DiGiovanni with the paperwork, started with your Guidance Counselor, & the pay stubs above for final approval.

## COMPUTER PROGRAMMING AND INFORMATION TECHNOLOGY

### **Introduction to Information Technology (8207310)**

**Credit:** 1.0

**Prerequisites:** None

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies. and Web page design.

### **Foundations of Programming (Computer Science 1) Honors (9007210)**

**Credit:** 1.0

**Prerequisites:** none

This course introduces computer programming concepts. The content includes basic information processing and computer functions. Students will be provided the ground work on how video games are developed, it is a venture into complex thinking patterns, an exercise in planning, organization, problem solving, and an increased sense of responsibility. Students will develop Android applications throughout the course.

### **(Procedural Programming) (9007220)**

**Credit:** 1.0

**Prerequisites:** Computer Science 1/Programming 1

This course continues the study of computer programming. The class will extend into complex thinking patterns, problem solving, utilizing the Java programming language. Students will begin learning the software development cycle by creating and publish Android applications.

### **Computer Science 3 (8206030)**

**Credit:** 1.0

**Prerequisites:** Computer Science 2/Programming 2

This course continues the study of computer programming. Students will continue to develop object oriented programming skills. Students will continue to develop their skills using Java. Students will learn advanced problem solving skills used by real world Android developers.

### **Computer Science 4 (8206040)**

**Credit:** 1.0

**Prerequisites:** Computer Science 2/Programming 3

### **AP Computer Science (0200320)**

**Credit:** 1.0

**Prerequisites:** Algebra 2 Honors

AP Computer Science covers a basic introduction to the field of Computer Science, including an overview of computing systems and an in-depth analysis of object-oriented program design, standard algorithms, and tools for algorithm analysis. Students start the course by learning the basic syntax of the Java programming language and advance to OOP design through classes and inheritance.

**Cyber Security 1 Honors (9001320)**

**Credit:** 1.0

**Prerequisites:** none

Students will learn the how to be a server administrator. Students will learn how to setup and manage networks, databases and web servers.

**Cyber Security 2 Honors (9001330)**

**Credit** 1.0

**Prerequisites:** Cyber Security 1

**Cyber Security 3 Honors (9001340)**

**Credit** 1.0

**Prerequisites:** Cyber Security 2

**Web Design 1 (Honors) (9001110)**

**Credit:** 1.0 (Practical Art Credit)

**Prerequisites:** Computing for College and Careers or Intro to IT

This course is designed to provide a basic overview of the Internet, Intranet, and WWW. The content includes operating systems; basic HTML commands; navigation of the Internet, Intranet, and Web; and Web page design.

**Web Design 2 Honors (9001120)**

**Credit:** 1.0 (Practical Art Credit)

**Prerequisites:** Web Design 1

This course provides advanced concepts for Internet, Intranet, and Web design. The content includes Internet/Intranet tools, Web site promotion, advanced HTML commands, advanced page design, and multimedia applications.

**Web Design 3 Honors (9001130)**

**Credit:** 1.0 (Practical Art Credit)

**Prerequisites:** Web Design 2

This course provides advanced concepts in HTML, design, and Internet tools.

**Web Design 4 Honors (8207140)**

**Credit:** 1.0 (Practical Art Credit)

**Prerequisites:** Web Design 3

This course provides advanced concepts in HTML, design, and Internet tools.



## DEBATE

The Timber Creek Speech and Debate Team is unique in that we offer competition at the local, state and national level. Students who enroll in the Debate classes will be eligible to participate on the team. We offer instruction and competition in a variety of forensics events ranging from debate, to public speaking and interpretation (modified acting) events.

### **Debate 1 (1007330)**

**Credit:** 1.0

**Prerequisites:** none

This is an academic co-curricular elective that enables students to develop fundamental skills and techniques for use in speech and debate activities. The content includes communication skills; logic and critical-thinking skills; techniques of public speaking; research skills; parliamentary procedure; argumentation and debate skills; analysis of debates; and timing and judging techniques. This course requires students to participate beyond the school day.

### **Debate 2 (1007340)**

### **Debate 3 Honors (1007350)**

### **Debate 4 Honors (1007360)**

**Credit:** 1.0

**Prerequisites:** Previous Debate in Sequence

The purpose of this co-curricular course is to enable students to develop advanced skills and techniques for use in speech and debate activities. The content should include, but not be limited to, the following: communication skills; logic and critical-thinking skills; techniques of public speaking; research skills; parliamentary procedure; argumentation and debate skills; analysis of debates; and timing and judging techniques. This course requires students to participate beyond the school day.

## ENGLISH ELECTIVES

### **Creative Writing 1 (1009320)**

### **Creative Writing 2 (1009330)**

**Credit:** .5 each for a total of 1.0 (Must take both)

**Prerequisites:** none

The purpose of this course is to enable students to develop and use fundamental writing and language skills for creative expression in a variety of literary forms including poetry and short stories in the first semester, and creative non-fiction and children's books in the second semester. Emphasis will be on development of a personal writing style and revising original work for publication.

### **Creative Writing 3 Honors (1009331)**

**Credit:** 1.0

**Prerequisites:** Creative Writing 1 and 2

The purpose of this course is to enable students to develop and use advanced writing techniques for creative expression in a variety of literary forms. Half of the coursework student-selected and involves an intense genre study in which students set personal improvement goals, choose three reading selections, and complete chosen activities. Emphasis will be on revision and publication.

### **Creative Writing 4 Honors (1009332)**

**Credit:** 1.0

**Prerequisites:** Creative Writing 1 and 2 and Creative Writing 3 Honors

The purpose of this course is to enable students to develop and use advanced writing techniques for creative expression in a variety of literary forms. Emphasis will be on revision and publication.

### **Journalism 1 (1006300)**

**Credit:** 1.0

**Prerequisites:** none

This course is an introduction to publications and prepares students to apply for a staff position for the school yearbook or newspaper. Lessons will address the history of American journalism, journalistic ethics, design and layout using desktop publishing through Adobe Photoshop and InDesign, and writing for publication.

### **Newspaper 1 Honors (1006320)**

**Credit:** 1.0

**Prerequisites:** Journalism 1

After being accepted through an application process in the final quarter of Journalism 1, students may be enrolled in this first year on the newspaper staff. Students will work on all aspects of the publication including breaking news, sports, features, opinion, layout and design, and advertising. Students will be expected to work both in and outside of class to meet deadlines.

### **Newspaper 2 Honors (1006330)**

**Credit:** 1.0

**Prerequisites:** Newspaper 1

In this second year on the newspaper staff, students will work on all aspects of the publication including breaking news, sports, features, opinion, layout and design, and advertising. Students will be expected to work both in and outside of class to meet deadlines.

### **Newspaper 3 Honors (1006331)**

**Credit:** 1.0

**Prerequisites:** Newspaper 2

Senior members of the newspaper staff will work on all aspects of the publication including breaking news, sports, features, opinion, layout and design, and advertising. Students will be expected to work both in and outside of class to meet deadlines.

### **Yearbook 1 Honors (1006332)**

**Credit:** 1.0

**Prerequisites:** Journalism 1

Students will become apprentices to either the school newspaper or the school yearbook. Students will work on all aspects of the publication including news, sports, features, photography or business. Students will apply and refine journalistic skills using word processing and desk-top publishing. There will be some after school obligations.

### **Yearbook 2 Honors (1006333)**

**Credit:** 1.0

**Prerequisites:** Yearbook 1

Students will become apprentices to either the school newspaper or the school yearbook. Students will work on all aspects of the publication including news, sports, features, photography or business. Students will apply and refine journalistic skills using word processing and desk-top publishing. There will be some after school obligations.

### **Yearbook 3 Honors (1006334)**

**Credit:** 1.0

**Prerequisites:** Year book 2

Students will become apprentices to veteran yearbook staff. Students will work on all aspects of the publication including news, sports, features, photography or business. Students will apply and refine journalistic skills using word processing and desk-top publishing. There will be some after school obligations.

## **EXCEPTIONAL STUDENT EDUCATION**

### **Learning Strategies I (7963080A)**

### **Learning Strategies II (7963080B)**

**Credit:** 1.0

**Prerequisites:** IEP on file

The purpose of this course is to provide instruction that allows students with disabilities to acquire and use strategies and skills to enhance their independence as learners in various settings.

### **High School High Tech I (7963080C)**

### **High School High Tech II (7963080D)**

**Credit:** 1.0

**Prerequisites:** junior or senior with no serious discipline issues and 1.8 GPA or higher

Florida High School High Tech (HSHT) is designed to provide high school students the opportunity to explore jobs or postsecondary education leading to technology- related careers. HSHT links youth to a broad range of academic, career development and experiential resources and experiences that will enable them to meet the demands of the 21st century workforce.

## **ENGINEERING**

### **Introduction to Engineering Design Honors (IED) (8600550)**

**Credit:** 1.0

**Prerequisites:** Submit Engineering Academy application; Successful completion of Algebra 1 (or higher math)

Designed for 9th or 10th grade students, the major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

### **Principles of Engineering Honors (POE) (8600520)**

**Credit:** 1.0

**Prerequisites:** IED; Concurrent enrollment in Pre-Calculus (or higher math)

Designed for 10th or 11th grade students, this survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, robotics, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions..

### **Digital Electronics Honors (DE) 8600530**

**Credit:** 1.0

**Prerequisites:** IED; Successful completion of Algebra 2 (or higher math)

Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation. This course is designed for 10th or 11th grade students.

### **Computer Integrated Manufacturing Honors (CIM) (8600560)**

**Credit:** 1.0

**Prerequisites:** IED; Successful completion of Algebra 2 (or higher math)

This course applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included. This course is designed for 10th, 11th or 12th grade students.

### **Aerospace Engineering (AE) 8600620**

**Credit:** 1.0

**Prerequisites:** POE; Successful completion of Pre-Calculus (or higher math)"

AE explores the evolution of flight, navigation and control, flight fundamentals, aerospace materials, propulsion, space travel, and orbital mechanics. In addition, this course presents alternative applications for aerospace engineering concepts. Students analyze, design, and build aerospace systems. They apply knowledge gained throughout the course in a final presentation about the future of the industry and their professional goals. This course is designed for 11th or 12th grade students.

## **FINE ART**

### **Advanced Placement Art History (0100300)**

**Credit:** 1.0

**Prerequisites:** 10<sup>th</sup>-12<sup>th</sup> grade

The purpose of this course is to introduce students to the appreciation of works of art, the intelligent examination of works of art, and to the major forms of artistic expression in Western art from 1400 to the present.

**Ceramics/Pottery I (0102300)**

**Ceramics/Pottery II (0102310)**

**Credit:** 1.0

**Prerequisites:** previous course in sequence, (Grades 10-12)

The purpose of this course is to enable students to recognize the properties, possibilities, and limitations of clay by creating functional and nonfunctional works of ceramics and pottery using basic hand-building techniques. Ceramics II will use intermediate-level hand-building and basic wheel-throwing techniques.

**Drawing I (0104340)**

**Drawing II (0104350)**

**Credit:** 1.0

**Prerequisites:** previous course in sequence, (Grades 9-12)

The purpose of this course is to enable students to develop intermediate-level perceptual, observational, and compositional skills necessary to communicate a range of subject matter, symbols, ideas, and concepts using knowledge of drawing media, processes, and techniques.

**Painting I (0104370)**

**Painting II (0104380)**

**Credit:** 1.0

**Prerequisites:** previous course in sequence, (Grades 10-12 only)

The purpose of this course is to enable students to develop intermediate-level perceptual, observational, and compositional skills necessary to communicate a range of subject matter, symbols, ideas, and concepts using knowledge of painting media, processes, and techniques.

**Art/3-D Sculpture Comprehensive I (0101330)**

**Credit:** 1.0

**Prerequisites:** None

This class is designed to advance student knowledge and skills in the application of the elements of art and principles of design. Utilizing traditional skills in sculpture, students are encouraged to develop an awareness of three-dimensional form and its expressive potential.

**Art/3-D Sculpture Comprehensive II (0101340)**

**Credit:** 1.0

**Prerequisites:** Art/3-D Comprehensive I – 0101330

This class is designed to further advance student knowledge and skills in the application of the elements of art and principles of design. Expanding upon traditional skills in sculpture, students are encouraged to develop an awareness of three-dimensional form and its expressive potential.

**Portfolio 1 Development Draw-1 (0109310)**

**Credit:** 1.0

**Prerequisites:** Drawing I and II or Painting I and II

This course has been developed for the upper level art student who has expressed an interest in developing a diverse body of work to place in a portfolio. The purpose of this course is to give advanced students the opportunity to develop quality work that can be used if the student chooses to enter AP level Drawing or 2-D Portfolio courses.

### **AP Drawing Portfolio (0104300)**

**Credit:** 1.0

**Prerequisite:** Draw1, Draw 2, Paint 1

This course has been developed for the self-motivated, upper level art student who has expressed an interest in completing the AP Drawing. The purpose of this course is to give advanced students the opportunity to develop discipline, quality, concentration, and breadth in drawing. At the completion of this course, the student will have completed 12 breadth and 12 concentration art works in digital form, as well as 5 actual quality pieces to be submitted for the AP Exam reviewers.

### **AP 2 D Design Portfolio (0109350)**

**Credit:** 1.0

**Prerequisite:** Draw1, Draw 2, Paint 1

This course has been developed for the self-motivated, upper level art student who has expressed an interest in completing the AP 2-D Design Portfolio. The purpose of this course is to give advanced students the opportunity to develop discipline, quality, concentration, and breadth in 2 Dimensional Design. At the completion of this course, the student will have completed 12 breadth and 12 concentration art works in digital form, as well as 5 actual quality pieces to be submitted.

### **AP Art/3-D Sculpture Comprehensive (0101360)**

**Credit:** 1.0

**Prerequisites:** Art/3-D Comprehensive I – 0101330 and Art/3-D Comprehensive II – 0101340

This class is designed to further advance student knowledge and skills in the application of the elements of art and principles of design. Expanding upon traditional skills in sculpture, students are encouraged to enhance their awareness of three-dimensional form and its expressive potential

## **GAME, SIMULATIONS & 3D ANIMATION**

### **Foundations of Game & Simulations (8208110)**

**Credit:** 1.0

**Prerequisites:** None

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key 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. Hands-on activities are integrated into the curriculum. The culminating activity is the creation of a playable 2D game using Games Factory software.

### **Game and Simulation Design 1 (8208120)**

**Credit:** 1.0

**Prerequisites:** Completion of Foundations of Gaming

This course covers fundamentals of designing a game or a simulation application, Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools, and more. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs. Hands-on activities are integrated into the curriculum. The culminating activity is the creation and presentation of a playable 3D game with design documentation using Autodesk's Maya (3d modeling software) and Unity (game engine).

### **Game and Simulation Design 2 (8208130)**

**Credit:** 1.0

**Prerequisites:** Completion of Game and Simulation Design 1

This course is focused on students acquiring skills to create, refine, and integrate realistic graphics into a game or simulation product. Students will essentially learn how to use a graphic software package, file maintenance strategies, and migration techniques and issues. Hands-on activities are integrated into the curriculum. The culminating activity is the creation of a playable 3D game using Autodesk's Maya (3d modeling software) and Unity (game engine).

### **3D Animation Tech 1 (8718110)**

**Credit:** 1.0

**Prerequisites:** none

Students will be introduced to the technologies, history, and evolution of 3D Animation and the fundamentals of computer animation technology. Students will have the opportunity to utilize the latest in 3D software as well as explore the inner workings of a production pipeline. Students will explore 2D animation techniques that paved the way for the modern day 3D animation.

### **3D Animation Tech 2 (8718120)**

**Credit:** 1.0

**Prerequisites:** 3D Animation Tech 1

This course is focused on several key aspects of the 3D Animation pipeline including 3D Modeling, Rendering, and the Principles of Animation. Students will learn about the various career paths and opportunities of 3D Animation through practical application and industry standard software.

### **3D Animation Tech 3 (8718130)**

**Credit:** 1.0

**Prerequisites:** 3D Animation Tech 2

This course focuses on the various lighting, rendering, and texturing techniques within a production pipeline. Students will learn what it takes to produce 3D rendered movies.

### **3D Animation Tech 4 (8718140)**

**Credit:** 1.0

**Prerequisites:** 3D Animation Tech 3

Students who make it to this course will learn about the role of Visual Effects Artists and how they create cloth and fur simulations as well as various elements such as fire, water, and other particle effects within the 3D Animation pipeline. Students will explore advanced texturing techniques like cel shading, also known as toon shading.

*All courses are subject to change or deletion based upon enrollment and/or teacher availability*

## PERFORMING ARTS- BAND

### **Beginning Band (1302300)**

**Credit:** 1.0

**Prerequisites:** none

An introductory course to band at the high school level.

### **Concert Band (1302330)**

**Credit:** 1.0

**Prerequisites:** Audition required.

Intermediate course in musicianship skills in band instrument ensembles.

### **Symphonic Band Honors (1302340)**

**Credit:** 1.0

**Prerequisites:** Previous band experience; audition required

Advanced course in the extension of musicianship skills in band instrument ensembles.

### **Wind Ensemble Honors (1305430)**

**Credit:** 1.0

**Prerequisites:** Audition required.

Advanced course with continued extension of musicianship skills. Interpretation of advanced level band music

### **Percussion Ensemble Honors (1302450)**

**Credit:** 1.0

**Prerequisites:** Previous band experience required.

Exploration of traditional and contemporary Percussion literature through rehearsal and performance.

### **Jazz Ensemble Beginning (1302500)**

**Credit:** 1.0

**Prerequisites:** take band concurrently, no audition required.

Beginning class focusing on a wide range of repertoire.

### **Jazz Ensemble Advanced Honors (1302530)**

**Credit:** 1.0

**Prerequisites:** Previous band experience; audition required.

Advanced class focusing on a wide range of repertoire.

### **Color Guard 9th (1305300)**

### **Color Guard 10th (1305310)**

### **Color Guard 11th (1305320)**

### **Color Guard 12th (1305330)**

**Credit:** 1.0

**Prerequisites:** Audition required.

Performance oriented class to demonstrate techniques appropriate to various styles of music, dance and theater.



## PERFORMING ARTS- CHOIR

### **Beginning Women's (1303300)**

**Credit:** 1.0

**Prerequisites:** None

Grade: 9-12

Development of vocal production as applied to the developing female voice. Classic women's choral repertoire, basic music theory and cultural concepts.

### **Men's Choir (1303310)**

**Credit:** 1.0

**Prerequisites:** None

Grade: 9-12

Development of vocal production as applied to the male voice. Classic men's choral repertoire, basic music theory and cultural concepts.

### **Bella Voce (1303460)**

**Credit:** 1.0

**Prerequisites:** Audition Required

Grade: 10-12

Intense concentration of specific musical styles and choral/vocal musicianship skills.

### **Concert Choir Honors (1303390)**

**Credit:** 1.0

**Prerequisites:** Audition Required

Grade: 10-12

Intense concentration on specific music styles and choral/vocal skills.

### **Madrigal Singers (1303320)**

**Credit:** 1.0

**Prerequisites:** Audition Required

Grade: 10-12

Independent musicianship skills. Concentration on Renaissance era music.

### **Advanced Women's Honors (1303340)**

**Credit:** 1.0

**Prerequisites:** Audition Required

Grade: 9-12

Focus on vocal technique, sight-singing and languages. Two- to four-part literature from Renaissance to present. Musicianship is emphasized.

### **Vocal Technique (1303410)**

**Credit:** 1.0

**Prerequisites:** Audition Required

Grade: 9-12

Focus on vocal technique, sight-singing and languages. Geared toward upper classmen students who want to study music in college.

## PERFORMING ARTS-GENERAL MUSIC

### **Music Theory Honors (1300320)**

**Credit:** 1.0

**Prerequisites:** Previous music experience; approval of instructor.

Music theory introduction, focusing on analysis, ear-training, sight-singing, and composition

### **AP Music Theory (1300330)**

**Credit:** 1.0

**Prerequisites:** Previous music experience; approval of instructor.

Intense music theory introduction, focusing on analysis, ear-training, sight-singing, and composition

## PERFORMING ARTS-DANCE

### **Dance Techniques 1 (0300310)**

**Credit:** 1.0

**Prerequisite:** none

An entry-level course designed for those having no prior dance instruction. Students will learn foundational skills in two or more dance styles. Their development of fundamental dance technique is enriched and enlivened through study of works by a variety of diverse artists, developing genre-specific movement vocabulary and dance terminology, and building knowledge and skills related to somatic practices, dance composition, analysis of effort and outcomes, dance history and culture, collaborative work, and rehearsal and performance protocols. Students should know there is a class fee and costume fee associated with this class. Participation in the end of the year recital is mandatory.

### **Dance Techniques 2 (0300320)**

**Credit:** 1.0

**Prerequisite-** Dance Techniques 1 or Audition.

A year-long course designed for students to build on previously acquired knowledge and fundamental technical skills in two or more dance forms, focusing on developing the aesthetic quality of movement in the ensemble and as an individual. Students should know there is a class fee and costume fee associated with this class. Participation in the end of the year recital is mandatory.

### **Dance Techniques 3 Honors (0300330)**

**Credit:** 1.0

**Prerequisite-** Dance Techniques 2 or Audition

A year-long, intermediate-level course designed for dancers who have mastered the basics in two or more dance forms. Students will build technical and creative skills with a focus on developing the aesthetic quality of movement in the ensemble and as an individual. Students should know there is a class fee and costume fee associated with this class. Performance participation will be required.

### **Dance Techniques 4 Honors-(0300334)**

**Credit:** 1.0

**Prerequisite-** Dance Techniques 3 or Audition

A year-long, advanced dance techniques class designed for students who have mastered the basics in two or more dance forms. During the class, students perform sequences of increasing complexity to advance their technical skills

### **Dance Seminar and Career Preparation Honors (0300620)**

**Credit:** 1.0

**Prerequisite-** Audition Only

Also known as the Timber Creek Dance Company Class.

Students participate in primarily student-led discussions on topics generally selected by class members pertaining to career matches to their own skills. Topics may include, but are not limited to, résumé building; audition preparation; and careers in the field of dance performance, production, management, education, therapy, and arts administration. Public performances may serve as a culmination of specific instructional goals. Students will be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. Students should know there is a class fee, company fee and costume fee associated with this class. Performance and competition participation will be required.

## **PERFORMING ARTS-DRAMA/THEATRE**

### **Theatre 1 (0400310)**

**Credit:** 1.0

**Prerequisites:** None

An overview of the dramatic arts. Basic acting, stagecraft and theatrical history will be covered.

### **Theatre 2 (0400320)**

**Credit:** 1.0

**Prerequisites:** Theater 1 and Teacher Approval

An actors or designers approach to dramatic literature. Students will be expected to perform acting scenes in class and to create theatrical designs. Lab time will be required during and after school. Students will also be required to addition for all productions.

### **Theatre 3 Honors (0400330)**

**Credit:** 1.0

**Prerequisites:** Theater 1 & 2 and Teacher Approval

An in-depth study of theatrical productions. Students will participate in all staged productions as performers, crew heads, or crew members. Students will study directing for the stage and present directed scenes to the class. Lab time will be required during and after school. Auditions are required for all productions and participate in Thespian Competition.

### **Theatre 4 Honors (0400340)**

**Credit:** 1.0

**Prerequisites:** Theater 1 & 2 & 3 or Stagecraft 1 & 2 and Teacher Approval

Theatrical lab and performance based class. All students will participate in all stage productions and present portfolio of all work. Auditions are required for all productions and participate in all competitions.

**Stagecraft 1 (0400410)**

**Credit:** 1.0

**Prerequisites:** Drama I, previous technical experience or teacher approval.

This is a project/lecture based class. Students construct sets for all shows at Timber Creek High School during class time and will be required to participate as a technician on one of the school show crews.

**Stagecraft 2 (0400420)**

**Credit:** 1.0

**Prerequisites:** Stagecraft 1 and Teacher Approval

This is a project/lecture based class. Students construct sets for all shows at Timber Creek High School during class time and will be required to participate as a technician on all of the show crews.

**Musical Theater 1 (1300400)**

**Credit:** 1.0

**Pre-requisite:** None

**Musical Theater 2 (1300410)**

**Credit:** 1.0

**Pre-requisite:** Audition Required

**PERFORMING ARTS- ORCHESTRA**

**Serenade Orchestra (1302380)**

**Credit:** 1.0

**Prerequisites:** Completion of Level 2 Orchestra Technique

**Course Donation: \$95**

This course is an intermediate performing string ensemble (violin, viola, cello, bass) for students who are ready to study level 3 of orchestra technique and concert literature. Students are expected to practice their instrument on an individual basis and attend performances outside of school hours. There is no audition for participation in this ensemble, but a requirement of previous orchestral experience is required.

**Concert Orchestra Honors (1302400)**

**Credit:** 1.0

**Prerequisites:** Audition and Completion of Level 3 Orchestra Technique. Course Donation: \$90

**Course Donation: \$95**

This course is an advanced performing string ensemble (violin, viola, cello, bass) for students who are ready to study advanced orchestra technique and concert literature. Students will perform at the fall, winter, and spring concerts, and will participate in the FOA Music Performance Assessment. Students are expected to practice their instrument on an individual basis and attend performances and rehearsals outside of school hours. Private lessons are recommended. This is an audition only ensemble.

### **Symphony Orchestra Honors (1302410)**

**Credit:** 1.0

**Prerequisites:** Audition and demonstration of Advanced Orchestra Technique

**Course Donation:** \$95

This course is an advanced performing orchestra ensemble (violin, viola, cello, bass) for students who are ready to study professional symphony orchestra concert literature. Students will perform at the fall, winter, and spring concerts, and will participate in the FOA Music Performance Assessment. This ensemble combines with the top band ensemble to create the full symphony orchestra which meets outside of class. It is in conjunction with curriculum and is required participation. Students are expected to practice their instrument on an individual basis and attend performances and rehearsals outside of school hours. Private lessons are recommended. This is an audition only ensemble.

### **ROTC – AEROSPACE SCIENCE**

AFJROTC is a 3- or 4-year program, but can be taken to satisfy a single elective credit. Each academic credit must consist of Aerospace Science (AS), Leadership Education (LE) and Wellness components. Aerospace Science study includes the history of aviation, cultural studies of major world regions, science of flight, space exploration to include astronomy, survival and management. Leadership Education introduces the Air Force organizational structure, uniform wear, military customs and courtesies, flag etiquette, citizenship in the United States, first aid, health and wellness, fitness, individual self-control, basic drill and ceremonies, and effective communications. The Wellness Program motivates cadets to lead healthy, active lifestyles beyond program requirements and into their adult lives. Blended courses combine lessons from two or more authorized AFJROTC courses into one course. AFJROTC is accredited by the AdvancED® Accreditation Commission and the Southern Association of Colleges and Schools Council on Accreditation and School Improvement (SACS CASI). HOPE and Fine Arts credit is provided for cadets attending 2 or more years of AFJROTC. \*\*\*NOTE: This is a leadership and community service directed curriculum and NOT a recruiting tool for the US Armed Forces. However, 2 or more years in AFJROTC will provide promotion in any military service to higher rank (2 years = E-2 and 3 years = E-3, except Marine Corps).

### **Aerospace Science 1 (ASI) ROTC (1800300)**

**Credit:** 1.0

**Prerequisites:** Freshmen will be enrolled in ASI.

An introductory course in aviation history focusing on the development of flight throughout the centuries. The emphasis is on civilian and military contributions to aviation; the development, modernization, and transformation of the Air Force. The cadets are introduced to leadership principles, military organization, customs and courtesies, and drill and ceremonies. Cadets are introduced to the AFJROTC program providing a basis for progression through the rest of the AFJROTC program while instilling elements of good citizenship. Cadets may participate in competitive teams.

### **Aerospace Science 2 (ASII) ROTC (1800310)**

**Credit:** 1.0

**Prerequisites:** Sophomores will be enrolled in ASII. New cadets (first-year) to AFJROTC may be required to complete the first quarter as an ASI to learn the fundamentals of the Aerospace Science program.

Acquaints the student with aerospace environment, human requirements of flight, and principles of aerospace dynamics and navigation. Stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadets may participate in competitive teams and begin holding positions of greater responsibility in the planning and execution of corps projects.

### **Aerospace Science 3 (ASIII) ROTC (1800320)**

**Credit:** 1.0

**Prerequisites:** Juniors will be enrolled in ASIII. New cadets (first-year) to AFJROTC may be required to complete the first quarter as an ASI to learn the fundamentals of the Aerospace Science program.

Provides latest information available in space science and space exploration. The course explores the space environment from the earliest days of interest in astronomy and early ideas of the heavens, through the Renaissance, and on into modern astronomy. The cultural studies component introduces students to one or more of the world's cultures through the study of world affairs, regional studies, and cultural awareness. It also explores life skills and career opportunities, and introduces paths to take after high school. Cadets lead and manage the extracurricular activities and clubs.

### **Aerospace Science 4 (ASIV) ROTC (1800360)**

**Credit:** 1.0

**Prerequisites:** Seniors will be enrolled in ASIV. New cadets (first-year) to AFJROTC may be required to complete the first quarter as an ASI to learn the fundamentals of the Aerospace Science program.

The cadets manage the entire corps during their fourth year in the JROTC program. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. This course provides exposure to the fundamentals of management and the necessary skills needed to put into practice what they have learned during their time in AFJROTC. Life skills, written reports and speeches, and financial planning compliment academics. Cadets may participate in competitive teams and will be considered for leadership roles in the management of the corps. The Survival instruction is an option for providing skills, knowledge, and attitudes necessary to successfully perform fundamental tasks needed for survival.

### **Leadership Education (LEAD1) ROTC (1800330)**

**Credit:** 1.0

**Prerequisites:** Cadets must be concurrently enrolled in a regular AS/LE class and are members of the Drill Team and/or Honor Guard, and/or a Senior Officer on the cadet wing staff.

Provides additional training opportunity for gaining expertise in Drill & Ceremonies and honing skills toward successful performance during competitions. Wing Staff education includes activities based on real life experiences and allow senior cadets the opportunity to practice what they learn by getting involved in discussions, expressing their opinions, and managing the activities of the cadet corps.

## SERVICE LEARNING

Service learning provides students with opportunities to acquire real-life skills, apply their academic knowledge, and develop citizenship skills and a sense of civic responsibility.

### **Engaged Citizenship 1 (2104350)**

### **Engaged Citizenship 2 (2104360)**

**Credit:** .5 each; Students will earn a minimum of 75 service learning hours each semester.

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 actively participate in meaningful service-learning experiences of at least 75 hours' duration, with 65 hours earned in the school and 10 earned in outside service learning projects. Portfolio documentation is required.

### **Service Learning Council (2400300)**

**Credit:** 1.0 credit and earn a minimum of 150 service learning hours

**Prerequisites:** Engaged Citizenship class; application process including interview

This is the leadership class for the Service Learning Academy. Students are trained in leadership skills, government policy, problem-solving, decision-making, and team-building, while focusing on service learning. Students integrate service into their academic curriculum by working with community partners to create and implement subject-related and inter-disciplinary service learning projects of at least 150 hours' duration, with 130 hours earned in the school and 20 earned in outside service learning projects. Portfolio documentation is required.

### **COMPACT (1700370 & 1700380) Students must take both semesters**

**Credit:** 1 credit and a minimum of 100 service learning hours

**Prerequisites:** Students are placed in this course by counselor recommendation

This course focuses on strengthening the core subject areas of reading and writing, teaches study skills, career choices, goal setting, and service learning. This is a class for those students needing extra help to succeed in school. COMPACT is an Orlando-Orange County school-business partnership and a nationally recognized program. COMPACT offers incentives including a competition for the annual COMPACT trip to Washington, DC (all expenses paid) and COMPACT college scholarships. COMPACT students receive adult mentorship and tutoring opportunities.

## SOCIAL STUDIES ELECTIVES

### **AP Human Geography (2103400)**

**Credit:** 1.0

**Prerequisites:** none, Must be taken by all APC Freshmen

This course combines the excitement of studying foreign cultures, the utilization of media technologies, and the chance to participate in any array of creative projects. The purpose of this course is to expose students to the world's locations, cultures, economies, and governments. Students develop an understanding of spatial concepts, landscape analysis, and environmental plights. This course stresses hands-on participation to yield an overall understanding of the world and its people. Based on the results of the Advanced Placement exam, colleges and universities may award class credits.

**Psychology 1 (2107300)****Psychology 2 (2107310)**

**Credit:** .5 each for a total of 1.0 (Must take both)

**Prerequisites:** none

These courses provide students with the opportunity to acquire an understanding of human behavior, behavioral interaction and the progressive development of individuals. Content will include the theories and methods of study employed by psychologists, human growth and development, adjustments, motivation and desire, intelligence, conditioning and learning, memory, personality and behavior, emotion and frustration, abnormal behavior, conformity, autonomy, alienation, stress, mental health and therapy. Psychology 2 continues building on the foundation of Psychology 1.

**AP European History (2109380)**

**Credit:** 1.0

**Prerequisites:** World History and American History

The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. The goals of the AP program in European History are to develop (a) an understanding of some of the principal themes in modern European History, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing.

**AP Psychology (2107350)**

**Credit:** 1.0

**Prerequisites:** none

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice

**Comprehensive Law Studies (2106370)**

**Credit:** 1.0

**Prerequisites:** none

This course places emphasis on various aspects of our criminal and civil judicial systems and their relationship to a free society. Areas of study will include specific crimes and legal issues, the rights of the arrested, juvenile law, courtroom procedure and efficacy, the processes and procedures of county, circuit, appeals, and civil courts, and career choices in the American judicial system.

**Mock Trial (Law Honors) (2106375)**

**Credit:** 1.0

**Prerequisites:** Comprehensive Law Studies

This course is designed in to familiarize students with the basic functions of law, the legal system, basic rights and freedoms, and courtroom mannerisms. A major component of this course will have students prepare, research, and act-out a mock trial simulation

**African American History (2100340)**

**Credit:** .5 each for a total of 1.0

**Prerequisites:** none

African-American History will look at the African Diaspora throughout the Americas, colonial life, Abolitionists movements, Civil War, Reconstruction, the World Wars, Civil Rights movement,

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cultural movements (ex: Harlem Renaissance), and up through the modern period. African American History (2100340)

**Holocaust Studies (2109430)**

**Credit: .5**

**Prerequisites:** none

Holocaust Studies is an in-depth look at the Holocaust which took place from the middle of WWII until the final defeat of the Nazis in the spring of 1945. During this course we will study and analyze the history of Anti-Semitism in Europe, rise of the Nazi Party and how they were able to use propaganda, nationalism, and brutality to carry out the mass murder of 11 million individuals including Jews, Gypsies, homosexuals, Russian POW's, communists, and political opponents of the Nazi regime.

**TEACHING ACADEMY**

**Early Childhood Education 1 (8405110)**

**Credit: 1.0**

**Prerequisites:** none; In order to provide the supplies and testing, a \$50 fee/donation is required. This course is a full year class that includes 45 Hours of DCF Training. The class covers developmentally appropriate practices for preschool children (ages 3-5), Florida Rules and Regulations, Child Abuse and Neglect, Child Development, Behavioral Observation & Screening, Health, Safety, and Nutrition. Students begin to work on their Professional Resource File/CDA Industry Certification

**Introduction to Education (8909010)**

**Credit: 1.0**

**Prerequisites:** none

This course provides a general introduction to education. It is an exploration of the professional qualities and expectations of a teacher/educator. Students will learn lesson planning, best practices, education methodology, responsibilities and challenges in the field of education. Three hours of field experience in schools is required.

**Early Childhood Education 2 (8405120)**

**Early Childhood Education 3 (8405130)**

**Early Childhood Education 4 Honors (8405140)**

**Credit: 1.0**

**Prerequisites:** 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grader with a 3.0 GPA, no discipline issues

This class expands on ECE1 and provides students with hands on learning opportunities through an internship in either the Wolf Pup Learning Center. Students are required to complete 5 hours of volunteer service in the Wolf Pup Learning Center each nine-weeks. All students must be approved to participate in this class.

**Elementary Teacher Assistant 2 (8909020e)**

**Elementary Teacher Assistant 3 (8909030e)**

**Elementary Teacher Assistant 4 (8909040e)**

**Credit:** 1.0

**Prerequisites:** Intro to Education or ECE 1

This class expands on Introduction to Education and provides students with hands on learning opportunities through an internship at a local elementary school. All students must be approved to participate in this class.

**Secondary Teacher Assistant 2 (8909020s)**

**Secondary Teacher Assistant 3 (8909030s)**

**Secondary Teacher Assistant 4 (8909040s)**

**Credit:** 1.0

**Prerequisites:** Intro to Education, ECE 1

This class expands on what is taught in Introduction to Education and provides students with an opportunity intern with a Timber Creek High School Teacher. Students will choose a subject area and be placed with a teacher to observe, tutor, work with groups, and give whole class lessons.

**Exceptional Student Teacher Assistant 2 (8909020x) (PIT Crew)**

**Exceptional Student Teacher Assistant 3 (8909030x) (PIT Crew)**

**Exceptional Student Teacher Assistant 4 (8909040x) (PIT Crew)**

**Credit:** 1.0

**Prerequisites:** Intro to Education, ECE 1

This course is a supervised on-site experience at Timber Creek High School where students have an opportunity to work with students with disabilities. This is a great class for students considering a career in exceptional education or just wanting to make a difference in the life of another student. Students in this class should have a passion to help others and be in good standing (both attendance and discipline). Students will have an opportunity to earn community service hours upon completion of the semester. Weekly supervision and evaluation will be done by the supervising teacher/administrator.

## TV PRODUCTION

**TV Production 1 (1100300)**

**Credit:** 1.0

**Prerequisites:** Computing for College & Careers (BST) recommended

Designed to develop introductory skills in television production.

**TV Production 2 (1100310)**

**Credit:** 1.0

**Prerequisites:** TV Production 1 and completed application/essay with teacher recommendation

Use of advanced equipment and application of skills in producing television programs.

**TV Production 3 (1100320)**

**Credit:** 1.0

**Prerequisites:** TV Production 2

Development of advanced skills in TV production. Students involved in Wolf TV productions.

**TV Production 4 Honors (1100330)**

**Credit:** 1.0

**Prerequisites:** TV Production 3

Continuation of skills acquired in TV Production 3. Students involved in Wolf TV productions.

**VET ASSISTING & BIOTECHNOLOGY**

**Agricultural Biotech 3 Honors (EQ) (8106860)**

**Credit:** 1.0

**Prerequisites:** Agriscience Foundations 1

This class is an exploration of agricultural biotechnology in agriculture, scientific investigation, lab safety, and the fundamentals of biotechnology.

**Vet Assist 1 Honors (8111510)**

**Credit:** 1.0

**Prerequisites:** none

This course is designed to develop competencies in areas such as the history of the animal industry; applied scientific and technological concepts; safety; terminology; careers; breed identification; animal care and human relations skills.

**Vet Assist 2 Honors (8111540)**

**Credit:** 1.0

**Prerequisites:** Vet Assist 1

This course is designed to develop competencies in the areas such as basic first aid; scientific and technological; tools and equipment; breed identification; and functions of systems

**Vet Assist 3 Honors (8111550)**

**Credit:** 1.0

**Prerequisites:** Vet Assist 2

This course is designed to develop competencies in the areas animal digestive systems; animal breeding; animal control; animal overpopulation; animal related laws; and breeds.

**Vet Assist 4 Honors (8111520)**

**Credit:** 1.0

**Prerequisites:** Vet Assist 3

This course is designed to develop competencies in the areas of animal welfare and rights; research; record keeping; disease and parasites.

**WELLNESS/PHYSICAL EDUCATION**

**HOPE (Health Opportunities through Physical Education ) (3026010)**

**Credit:** 1.0 **Students must take this course before taking elective PE courses.**

**Prerequisites:** \$3.00 Locker Fee

Develops and enhances healthy behaviors that influence lifestyle choices and student health and fitness.

**Body Toning I (1503400)**

**Body Toning II (1503410)**

**Credit:** 0.5 each

**Prerequisites:** HOPE - \$3.00 Locker Fee, open to females only

To help students have a better understanding of muscular fitness, cardiovascular endurance, and flexibility and applies specifically to female health and longevity. Students learn Pilates, yoga, weightlifting, spinning and more.

**Team Sports 1 (1503350),**

**Team Sports 2 (1503360)**

**Credit:** 0.5 each

**Prerequisites:** HOPE - \$3.00 Locker Fee

Opportunity to acquire knowledge of strategies of team sports play.

**Basketball (1503310)**

**Credit:** 0.5

**Prerequisites:** HOPE - \$3.00 Locker Fee

Provides knowledge and application of skills, techniques and strategies necessary to participate in basketball.

**Beginning Weight Training (1501340)**

**Intermediate Weight Training (1501350)**

**Credit:** 0.5 each

**Prerequisites:** HOPE - \$3.00 Locker Fee

Knowledge of importance of muscular strength, cardiovascular fitness and related health issues.

**Advanced Weight Training (1501360)**

**Power Lifting (1501410)**

**Credit:** 0.5 each

**Prerequisites:** HOPE, Beginning and Intermediate Weights - \$3.00 Locker Fee

Further reinforcement of previously acquired weight training knowledge and skills. Emphasis will also be placed on the cardiovascular system.

**Care & Prevention of Athletic Injuries (1502490)**

**First Aid & Safety (0800320)**

**Credit:** 0.5 each (Must take both)

**Prerequisites:** HOPE; \$40 Lab fee (Includes CPR/First Aid certification)

Basic knowledge and techniques for the prevention, evaluation, treatment and rehabilitation of athletic injuries.

Special Note: Classroom only – No Dressing Out

**Sports Nutrition for Athletes (0800310)**

**Credit:** 0.5 (Must take with Exercise Physiology)

**Prerequisites:** HOPE, \$20 Lab Fee

The purpose of this course is to provide students with knowledge and skills related to health topics, which will enhance their ability to make wise health decisions for themselves, their families, and communities.

Special Note: Classroom only – No Dressing Out

**Exercise Physiology for Athletes (1501390)**

**Credit:** 0.5 (Must take with Personal Health and Nutrition)

**Prerequisites:** HOPE

The purpose of this course is to increase the student's knowledge and understanding about human physiology and the adaptations that occur during exercise. Exercise physiology is a branch of physiology that deals with the functioning of the human body during exercise. An understanding of how the body responds to acute and chronic exercise is crucial for the physical educator, athletic trainer, coach, fitness expert, or exercise physiologist. The course objective is for the student to gain an understanding and working knowledge of how the body responds to exercise including the following: metabolism, circulation, and the body's structural adaptations in response to exercise and training.

**Cross Fit 1 (1501360)**

**Cross Fit 2 (1501410)**

**Credit:** 0.5 each

**Prerequisites:** HOPE

This course will promote the use of functional movements to achieve a higher level of fitness. Students will be introduced to cross training, Olympic weightlifting and gymnastic movements. There will also be a focus on proper nutrition for sustainable health.

**OTHER ELECTIVES**

**AVID 9th (1700390)**

**AVID 10<sup>th</sup> (1700400)**

**AVID 11<sup>th</sup> (1700410)**

**AVID 12<sup>th</sup> (1700420)**

**Credit:** 1.0

**Prerequisites:** Must be accepted into the program.

AVID is designed to increase the number of students who enroll in four-year colleges. Although AVID serves all students, it focuses on the least served students in the academic middle. The formula is simple--raise expectations of students and, with the AVID support system in place, they will rise to the challenge. AVID students enroll in high-rigor courses, such as Advanced Placement, and receive support in an academic elective class—called AVID—taught within the school day by a trained AVID teacher. Advancement Via Individual Determination (AVID) is an elective class that provides support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop fundamental skills aligned with current curriculum.

**AVID Tutoring (1400330)**

**Credit:** 1.0;

**Prerequisites:** Must have approval from teacher

Students serve as AVID tutors to younger students in the AVID program.

**SAT/College Preparation (1700370)**

**Credit:** 1.0

**Prerequisites:** Seniors will be given first priority

The course will focus on skills that will best prepare students for college entrance examinations. Students will acquire the techniques and information that is stressed on the SAT and ACT tests. Additionally, the class will assist with long-term goal setting and career preparation.

*All courses are subject to change or deletion based upon enrollment and/or teacher availability*

### **Student Government (2400300)**

**Credit:** 1.0

**Prerequisites:** must be elected

This course is advanced leadership and students must be elected and/or appointed to this class and cannot register without advisor approval. Students work in and out of class on school-wide events and must attend district meeting, a state conference, a state convention, and they must attend the summer retreat the week of July or they will be withdrawn. Students may fundraise to cover the cost of events or opt to pay it in full. Additionally, there are also class dues and dress criteria which include purchasing required shirts.

### **Research/Freshmen SGA (2400300)**

**Credit:** 1.0

**Prerequisites:** none

This course is an introduction to leadership and open to any incoming freshmen. Students complete a research project related as part of the course work. They also work in and out of class on school-wide events and must attend district meeting and a state conference which they may fundraise to cover the cost or opt to pay it in full. There are also class dues and dress criteria.

### **Research/Student Assistant (1400380)**

**Credit:** .5 (may take both semesters)

**Prerequisites:** 11<sup>th</sup> or 12<sup>th</sup> grader with a 3.0 GPA, no discipline issues

This course is a supervised on-site experience at Timber Creek High School. Students will assist teachers/administrators in both academic and problem-oriented situations. This course requires students to conduct research on various topics and turn in a research project related to their placement each nine-weeks. Weekly supervision and evaluation will be done by the supervising teacher/administrator.

### **FLEX PERIOD 1 (FLX1)**

### **FLEX PERIOD 7 (FLX7)**

**Credit:** 0 (may take both semesters)

**Prerequisites:** 12th grader with a 3.0 GPA

Flex allows students to leave one or two periods early or come in one period late if they meet the requirements. Flex is a privilege and not a right. If you have Flex and are struggling to get to your classes on time or having other behavioral or academic issues, you will be removed from Flex.