

2015 - 2016

***Course Descriptions
Academic Options
Policies and Regulations***



Charles F. Brush High School
South Euclid - Lyndhurst City Schools

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SOUTH EUCLID LYNDHURST CITY SCHOOLS

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MISSION STATEMENT

We educate, inspire and empower students to be high achieving contributing members of a global society.

VISION STATEMENT

SEL City Schools will be THE DESTINATION school community.

EQUAL EDUCATIONAL OPPORTUNITIES

South Euclid Lyndhurst City Schools provide equal opportunities for all students to achieve their potential through educational programs and activities regardless of sex, race, color, religion, national origin, handicap, or social or economic background. Inquiries concerning equal educational opportunities may be referred to the Assistant Superintendent at 216-691-2007.

CHARLES F. BRUSH HIGH SCHOOL

The mission of Charles F. Brush High School is to help students acquire knowledge, skills and attitudes that will make them productive members of society.

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DEPARTMENTAL DIRECTORY

If you have questions about any of the courses in this book please contact the
Department Coordinator as listed below:

<i>Arts & Technology</i>	<i>Mrs. Hadley Conner</i> 216-691-2089 conner@sel.k12.oh.us
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ACADEMIC OPTIONS/PLANNING

Requirements for graduation for the Class of 2015 AND BEYOND

Course requirements for graduation from Charles F. Brush High School
shall be the completion of twenty (20) units of credit

LANGUAGE ARTS.....	4 UNITS OF CREDIT
MATHEMATICS	4 UNITS OF CREDIT
SCIENCE.....	3 UNITS OF CREDIT
SOCIAL STUDIES	3 UNITS OF CREDIT
HEALTH50 UNITS OF CREDIT
PHYSICAL EDUCATION50 UNITS OF CREDIT
ELECTIVES.....	5 UNITS OF CREDIT

Language Arts - All Students must earn: 4 credits

All students in grade 9-12 must be enrolled in Language Arts courses included in the programs of College Preparatory, Honors, Advanced Placement.

Mathematics - All students must earn: 4 credits

(Must include Algebra 2 or equivalent of Algebra 2)

All math courses are considered to be College Preparatory/Honors, or Honors/Advanced Placement. Several courses are considered non math electives; these do not complete graduation requirements in math.

Science - All students must earn: 3 credits

All science courses are considered to be College Preparatory, Honors or Advanced Placement and must include 1 unit of physical sciences, 1 unit of life sciences and 1 unit of advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; physical geology, or other earth or space science.

Social Studies - All students must earn: 3 credits

Successful completion of World History, U.S. History, and Government is required in the programs of College Preparatory, Honors, or Advanced Placement.

Health - All students must earn: .50 credit

All 10th graders are expected to take one semester of Health.

Physical Education - All students must earn: .50 credit

All 9th graders are expected to take one full year of Physical Education.

Electives - All students must earn: 5 credits

Credits must include at least one unit or two (.50) units of Business, Technology, Fine Arts, and/or World Language. Colleges will require 1 full unit in fine arts. All students must receive instruction in economics and financial literacy during grades 9-12 and must complete at least two semesters of fine arts taken any time in grades 7-12. Students following a career-technical pathway are exempted from the Fine Arts requirement.

SEL Credit Flexibility for Students in grades 8 -12

Students may earn credits through:

- the completion of coursework;
- testing out of or demonstrating mastery of course content or;
- pursuing one or more educational options in accordance with the District's Credit Flexibility Plan.

Issuance of credit will be determined locally. School and students who choose educational options will pre-identify and agree on the learning outcomes. Credits earned through this alternative means will be reflected on students' transcripts in the same way as traditional credits earned via seat time. Please see SEL website for more information.

Intervention & Enrichment

All students will be properly scheduled into an intervention/enrichment period. This time is designed to allow proper support for students in core subject areas, including Advance Placement courses. Topics covered will reflect core subject areas material, as well as relevant information regarding student needs, such as grade matters, college application process, and state testing information.

GUIDANCE & COUNSELING

Guidance and counseling services are available for ALL students in grades nine through twelve. There are full-time counselors to assist students with their academic, career, and personal-social needs and concerns. School Counselors are able to assist students and families with issues that affect their daily lives. There are also two full-time social workers district wide. Resources and support are available to help students and families when difficult situations occur. Students desiring a well-planned school program are encouraged to talk with their counselor whenever questions/problems arise. A telephone directory of school counselors is listed in the front of this book. Students are assigned a counselor according to their grade level.

STATE ASSESSMENT & GRADUATION REQUIREMENTS

OGT/PARCC

The State of Ohio mandates that each student participate in number of required assessments. These assessments include but are not limited to OGT, PARCC and ACT/SAT. Each graduating class (cohort of students) has a specific set of requirements for taking the tests as well as achieving a passing score as determined by the Ohio Department of Education (ODE). Depending on the number of earned credits, courses enrolled and graduating cohort, student's testing requirements may vary based on ODE requirements and the latest Ohio Legislative mandates. Testing requirements are subject to change. Please note, all students are required to pass all five (5) subjects of the OGT in order to graduate from Charles F. Brush High School. Some flexibility applies for those students with special needs, or who have met OGT State waiver requirements.

For the graduation class of 2017, students will take the Ohio Graduation Test in the spring of their sophomore year in high school. Students will be tested in mathematics, reading, writing,

science, and social studies. Passing all sections of this test is required in order to receive a high school diploma. Students will continue to take any un-passed sections of the test during the fall and spring. Ten hours of tutoring intervention allows students to retake one un-passed section in June.

GRADUATION POINTS

Students in the graduation class of 2018 and beyond must accumulate a minimum of 18 graduation points in order to meet the Ohio Department of Education's graduation requirement.

Please refer to **Appendix A & B for (2014-2017/2018) Graduation & Testing Requirements.**

Alternative Ways to Earn an Ohio Diploma 2015-2016 and 2016-2017

If a student passes four of the OGT and meets all of the following criteria, the student will meet the testing requirements for an Ohio diploma.

- On the one [OGT]...for which the person failed to attain the designated score, the person missed that score by 10 points or less;
- Has a 97 percent school attendance rate in each of the last four school years, excluding any excused absences;
- Has not been expelled from school in any of the last four school years;
- Has a grade point average of at least 2.5 out of 4.0, or its equivalent as designated in rules adopted by the state board of education in the subject area of the [failed OGT];
- Has completed the [state] high school curriculum requirements in the subject area of [of the failed test];
- Has taken advantage of any intervention programs provided by the school district or school in subject area [of the failed OGT]...and has a 97 percent attendance rate, excluding any excused absences, in any of those programs that are provided at times beyond the normal school day, school week or school year or has received comparable intervention services from a source other than the school district or school;
- Holds a letter recommending graduation from each of the person's high school teachers in the subject area [of the failed OGT]...and from the person's high school principal.

Students are encouraged to begin establishing a positive record from their freshman year so that this alternate way to earn a diploma can be an option, if necessary, at the end of their senior year.

COMMUNITY SERVICE

All students graduating with the class of 2015 and beyond are required to complete 40 hours of community service (10 hours per year). See Appendix F for form and details.

Note to Parents and Students Regarding Requirements for Graduation:

It is the student's responsibility to see that requirements for graduation are met. The high school will make every effort to keep up-to-date records and to keep students and parents informed about the status of progress toward compiling the necessary course work for graduation requirements. However, it is the student's responsibility to be acquainted with and earn the necessary requirements to meet this goal.

PROGRAM OF STUDIES

Students are directed to a particular program based upon their past academic performance and their goals after high school. Students and parents must carefully select courses to ensure that enough credits required for graduation are earned in the program that will prepare the student to meet specific goals.

- Students enrolling in Honors and/or AP should meet certain criteria. Be sure to note each department's requirements and prerequisites for entrance as stated in each department's section of this Course Description Book.
- Students apply to a technical program through Mayfield Excel Technical Education Career Consortium when they forecast for the junior year. **Information on Mayfield Excel TECC can be found in Appendix E.**

HONORS/AP COURSES

Units of study present a variety of contents incorporating students' interests. Instructional activities are abstract and complex, using upper levels of Bloom's Taxonomy. Activities range from simulating the United Nations to researching and performing original character monologues as well as designing an independent study or mentorship activity.

HONORS PROGRAM

There is a wide range of Honors Courses reflected in each of the major discipline areas. Honors Courses, because of their academic rigor, are assigned a weighted grade contingent upon a semester grade of C or higher. Prerequisites exist for admission to Honors Courses.

ADVANCED PLACEMENT PROGRAM and EXAMINATIONS

Advanced Placement courses are offered in Biology, Chemistry, Physics, English, Government and Politics, U.S. History, European History, Psychology, Calculus AB, Calculus BC, Statistics, Studio Art & Drawing, Studio Art Photography, AP courses require students to work at a college freshman level. Because of the academic rigor, AP courses are assigned a weighted grade contingent upon a semester grade of C or higher. A student who earns a D grade at the semester will not receive a weighted grade credit, but he/she will receive 1/2 credit for that semester. Scores on the exam, deemed acceptable by colleges, enable students to earn college credit. See each department section of this Course Description book for course descriptions, prerequisites, and admission requirements.

Students and parents should be sensitive to the demanding nature of Advanced Placement courses. Reading assignments for the classes are extensive. Students will be involved in college-level activities, particularly in writing and test-taking skills. Advanced Placement courses emphasize the student's self-motivation, study skills, and the ability to self-direct his or her own learning.

Students enrolled in Advanced Placement course(s) are **REQUIRED** to take Advanced Placement Exam(s). To secure accurate numbers for ordering exams, students must identify and commit to exam(s) they will take prior to January 10th of each school year. Students who fail take the exam(s) will lose the weighted credit associated with the course in which they did not test. For students enrolled in multiple Advanced Placement Courses, students will be

REQUIRED to take a minimum of number of exams. (Note, fee waivers/reductions are available for students who meet College Board and Federal criteria). See chart below:

One (1)Advanced Placement Course	Required to take ONE (1) Advanced Placement Exam
Two (2)Advanced Placement Courses	Required to take ONE (1) Advanced Placement Exam
Three (3)Advanced Placement Courses	Required to take TWO (2)Advanced Placement Exams
Four (4) Advanced Placement Courses	Required to take TWO (2)Advanced Placement Exams

SENIOR PROJECT

Senior Project allows the opportunity for seniors to participate in an independent study program whereby they can explore, firsthand, a career goal of their choice. The program takes place the last two (2) weeks of the school year. The time spent on the project must be no less than thirty (30) hours per week. All seniors are eligible, but must meet participation criteria: academic grades, attendance, and behavior. Informational meetings are held at the beginning of the second semester each school year with seniors.

Student Responsibilities:

1. Determine what is to be learned during the project.
2. Obtain a Community Sponsor and Faculty Advisor.
3. Make application to the Project Committee. Applications may be obtained at the informational meeting.
4. Arrange for a personal interview with the Project Committee to explain in detail what objectives are to be met.
5. Maintain weekly contact with Faculty Advisor.
6. Keep a daily journal to be shared with Faculty Advisor.
7. Make a formal presentation at a symposium held in the spring.
8. Final Grades for classes to attend

COLLEGE & CAREER READINESS COURSE (formerly AVID)

*****Pending Enrollment*****

For many years, Brush High School offered AVID, an accelerated academic program that prepares students for a rigorous course of study that will enable them to meet requirements for four-year university enrollment. AVID was an elective course that required an application, interview and acceptance. Key components of AVID included note-taking, writing, reading, speaking, test taking strategies and self-awareness as well as college motivational and career exploration activities.

With the desire to expand this opportunity to more students beginning in 2014-2015, Brush High School embarked upon the creation of a similar program. Honoring key components of AVID, the new program is designed to meet the needs of Brush High School students and reflects

Ohio's New Learning Standards and Graduation Requirements. As this course develops, there will be increased opportunities for Brush High School students to select this elective course.

ENGLISH as a SECOND LANGUAGE (ESL)/ENGLISH LANGUAGE LEARNERS (ELL)

The English as a Second Language Program is designed to meet the needs of students who are non-native speakers of English. All potential ESL students are tested by means of a variety of methods to determine their English proficiency level. Students are placed into all of their academic courses based on their educational history after discussion with the district ESL teacher, the Guidance Department, and parents/guardians. Students who are very limited in their English proficiency are eligible to receive a "pass/fail" grade in their academic content courses. This qualification is determined on a case-by-case basis involving discussion among the ESL teacher, other classroom teachers, school counselors, parents, and the student.

SPECIAL EDUCATION

Brush High School is in compliance with federal and state laws which govern special education. The South Euclid Lyndhurst City Schools offers a continuum of services based on the individual needs of the student. Decisions regarding the IEP process occur in collaboration with the parent and the child's educational team. Students new to the district with an IEP must participate in a scheduling conference with a parent/guardian, administrator, counselor, and special education representative prior to receiving a schedule.

GIFTED EDUCATION

Students may qualify for Gifted services in specific academic areas such as Reading/Writing or Math. Students who qualify for this program may be enrolled in honors and/or AP classes in grades 9-12 as a way to meet the specific academic needs of student. Students who are enrolled in Advanced Placement Courses and have been identified as Gifted will receive a Written Education Plan (WEP). The WEB serves as State level documentation that services are being provided via Advanced Placement courses offered at BHS.

ARC LEARNING ACADEMY (ALA)

Arc Learning Academy, a program of Brush High School, serves Brush students on a number of different levels and for a number of different reasons. Students who are deficient in total credits earned at Brush as well as students who learn more comfortably in an alternative setting, attend the Academy. Students are recommended for enrollment by parents, teachers and staff, as well as the students themselves; however, enrollment decisions are administratively approved.

Academy students have flexible scheduling; some are enrolled in vocational program(s) and many are employed, and receive work-study credits through the Career Based Intervention Program. Instruction is both computer-based and direct with certified teachers in Language Arts, Social Studies, Math, Science and the Arts. Staff are available throughout the day to assist and guide student learning. Additional resources for Academy students include access to a school counselor, school social worker and security officer.

MAYFIELD EXCEL TECC

The South Euclid Lyndhurst School District belongs to a nine district consortium known as The Mayfield Excel Technical Education Career Consortium (T.E.C.C.). Excel T.E.C.C. programs are designed to provide expanded options to all students. These include college preparatory, tech prep, school-to-work, and other educational learning opportunities. Through the close cooperation of school personnel, parents, and business and industry, students have exciting choices to grow, learn, and prepare themselves for the future. Technical program offerings are as follows: **Please refer to Appendix E for detailed descriptions for each program.**

Auto Mechanics	Environmental Education
Business Academy	Fire/EMS Training Academy
CADD Engineering Technology	Interactive Media
Construction Trades	Intervention Programs
Cosmetology	ITP-Information Technology & Programming
Culinary Arts	Medical Technologies
Digital Arts & Technology	Performing Arts Academy
Early Childhood Education	Studio Art & Design

FOREIGN EXCHANGE

Brush Student Participation

Students who would like to consider a foreign exchange/study abroad program must make their request through their school counselor. This request must be made at least one semester in advance of the start date for the program. It is expected that students considering this type of option have a strong academic history and a GPA of 3.00. The student and parent must meet with the school counselor to discuss these plans.

Students will need to supply the following information: name of study abroad program, name and phone number/e-mail address of local contact person, name of school to be attending, name and e-mail address of school contact person, list of courses to be taken, written plan of how this experience will impact graduation and how any deficits will be made up. When this information is complete, it must be submitted to the Principal for approval. Brush High School is under no obligation to accept credits from a study abroad/foreign exchange program unless the proper procedures have been followed and permission granted prior to the student leaving to participate in the program.

Once the student has returned from the program, it is the student's responsibility to ensure that a transcript of grades and proof of attendance is sent from the school.

All students must carry a minimum of five and a half (5.5) credits per year.

Hosting a Foreign Exchange Student

The South Euclid Lyndhurst Schools have established the following guidelines for families who are interested in hosting a foreign exchange student. These guidelines have been

established in order to ensure that the foreign exchange student has the necessary skills and support in order to have a positive experience.

- ✓ Foreign exchange student must reside with a current Brush High School family.
- ✓ Foreign exchange student must be enrolled prior to August 15.
- ✓ Sponsoring agency must provide proof of English speaking skills and Literacy, and a formal assessment. An interview may be required.
- ✓ Sponsoring agency must have a local (Cleveland Area) representative available as needed.
- ✓ Sponsoring agency must provide academic support if needed.
- ✓ Foreign exchange student must be taking an academic schedule of courses.

Students are not permitted to receive an Ohio High School diploma.

The South Euclid Lyndhurst School District can NOT be involved in finding families for foreign exchange students who may need a change in living situations.

NEW STUDENTS

Students who move into the South Euclid Lyndhurst School District or those who reside in the district and have not attended the public schools must register at the Administration Building. Once a student has been enrolled, a parent or guardian will contact the guidance office at Charles F. Brush High School in order to make a scheduling appointment with the appropriate counselor. A parent/guardian must accompany the student to the scheduling appointment. Records from the former school are important in selecting courses.

Students who wish to enroll for the upcoming school year are encouraged to do so after April 15, and before June 1. This will allow time to schedule a meeting with the Brush school counselor prior to the end of the school year. Students who enroll over the summer will receive information concerning scheduling at the time of enrollment.

New students on an IEP, please refer to section on Special Education on page 12.

EDUCATIONAL OPTIONS AND TUTORING

Under extenuating circumstances a student may be unable to complete a course in the usual manner. A student may earn a maximum of six (6) units of credit by receiving tutoring with prior approval under the following conditions:

Tutoring for Credit

1. Students must meet with counselor to determine academic needs.
2. Students must obtain a tutoring form from the counselor and gain PRIOR APPROVAL from the principal or designee wherein credit is to be granted.
3. A high school certificated teacher in the appropriate subject area shall provide instruction and evaluate student performance.
4. An instructional plan must be submitted with request. The plan shall include:
 - a. Instructional objectives

- b. An outline of major instructional activities, materials, and environments
 - c. A description of criteria and methods for assessing student performance
 - d. A copy of the tutor's State of Ohio Teaching Certificate
5. Students must meet with counselor to determine academic needs.
6. Students must obtain a tutoring form from the counselor and gain PRIOR APPROVAL from the principal or designee wherein credit is to be granted.
7. A high school certificated teacher in the appropriate subject area shall provide instruction and evaluate student performance.
8. An instructional plan must be submitted with request. The plan shall include:
 - a. Instructional objectives
 - b. An outline of major instructional activities, materials, and environments
 - c. A description of criteria and methods for assessing student performance
 - d. A copy of the tutor's State of Ohio Teaching Certificate
9. A minimum of sixty (60) hours of combined instruction and assigned work must be completed for each one-half (.50) unit of credit granted
10. At the conclusion of the tutoring, the tutor shall submit a record of the work covered and a report of the course grade earned to the Assistant Principal in charge of curriculum

Twilight School

- Offered after school during the school year for a fee
- Students can make up credits only through computer-based instruction
- Students may register with their school counselor

APEX online – Credit Recovery Option

- Offered during the school day
- Students can make up credits only through computer-based instruction
- Students may register with their school counselor

Summer School at Brush (*Hillcrest Consortium*)

Students who would like to earn new credit or who fail classes during the school year are encouraged to attend the Hillcrest Summer School Program held at Brush High School. In addition to credit recovery courses offered in the core subject areas, classes for new credit are offered in Algebra I, Algebra II, Geometry, Health, and Physical Education. Summer school is a five week program with classes typically running from 7:30-10:10 a.m. and again from 10:20 a.m. to 1:00 p.m. (New credit courses typically run from 7:30 a.m. until 1:00 p.m.) Parents must pay a tuition fee in order for their student to participate. For details and dates, please contact a Brush High School counselor in early spring.

College Credit Plus (*formerly PSEO*)

Effective with H.B. 487 (June 2014) College Career Plus replaces Ohio's Post-Secondary Enrollment Options Program and all alternative dual enrollment programs which was signed into laws in June of 2014. The CCP requires that the student must be enrolled in both college and

high school, AND the student will earn transcribed college and high school credit upon successful completion of the course.

Courses aligned with the CCP must:

- Be the same as those offered on the College Campus
- Be nonsectarian and non-remedial
- Apply toward a degree or professional certificate

CCP Pathway Requirements: A “CCP Pathway” is a grouping of college courses and course sequences that total at least 15 and 30 college credit hours. The pathway may be organized by a major or career path and must include various core courses required for a degree or professional certification by the college.

Charles F. Brush must develop two pathway opportunities for CCP

- One where a student can earn 15 transcribed credits
- One where a student can earn 30 transcribed credits

Please refer to **Appendices I-K** for more information on **College Credit Plus**.

Graduation - Senior students who are enrolled at a college where the academic term ends after the high school graduation ceremony is over will be permitted to participate in graduation if all requirements for graduation have been completed and/or the student has a passing grade in the college course(s) in which he/she is enrolled.

Academic Eligibility - For those students electing the College Credit Plus Program, their academic/athletic eligibility will continue to be based upon the grading period used by the high school.

The principal (or designee) of those electing the College Credit Plus Program shall contact participating College Credit Plus institutions for the purpose of ascertaining grades in courses that are being taken at those institutions. If grades can be obtained, they shall be used to determine whether or not a particular student is passing five (5) one-credit courses or the equivalent for that preceding grading period. If grades cannot be obtained, the student shall receive an “Incomplete” until such time that a grade can be determined. The “Incomplete” shall be used in determining the student’s eligibility for the next grading period (i.e., an “incomplete” is considered a failing grade).

Board Policy - When a student is expelled from the District, the Superintendent shall send written notice to any college in which the expelled student is enrolled under College Credit Plus Program at the time the expulsion is imposed. The written notice shall indicate the date the expulsion is scheduled to expire. If the expulsion is extended, the Superintendent shall notify the college of the extension.

ACADEMIC PREPARATION FOR ADMISSION TO COLLEGE/UNIVERSITY

Board Policy

Academic work in high School is probably the most important single factor considered by colleges and universities for admission. The more selective the institution, the more demanding will be the admission requirements.

Students pursuing admission to highly selective schools are encouraged to take the maximum number of courses in math, science, history, foreign language, and english. Students are encouraged to select challenging courses in order to be prepared for the rigors of college level work. The requirements for graduation from Brush High School closely parallel the minimum requirements for most colleges in Ohio. It will be important for students to investigate colleges of interest for more specific details on each school's particular requirements. It is recommended that families be in touch with their student's school counselor throughout high school in order to make the most appropriate post high school plans.

There are a wide variety of educational options available to students after high school. Students are strongly encouraged to discuss these options with their school counselor. Resources are available from a variety of sources in order to assist with these decisions. High school preparation for community colleges, technical schools, business schools, and other post-high school programs is varied. However, in most cases, a high school diploma is the only academic requirement.

The Ohio Board of Regents and the State Board of Education have recommended that the college preparatory curriculum for admission to state universities should include four (4) units of English, a minimum of four (4) units of college preparatory mathematics, three (3) units of social studies, three (3) units of science, a minimum of one (1) Fine Arts, one (1) biological and one (1) physical science, and two (2) units of the same foreign language. Some universities have also added one (1) unit of visual and/or performing arts to these recommended requirements as well as one (1) additional unit of a math and science.

The following table is an outline of activities that will assist students in course selection and college planning:

Grade	Parent/Student discussion of future plans & class selection	Guidance meeting parent/student future planning	Testing	Research colleges and visiting campuses
8	X	X	ReadiStep	X
9	X	X	PSAT	X
10	X	X	PSAT (fall)	X
11	X	X	ACT/SAT To be determined by ODE	X
12	X	X	Retake ACT/SAT (fall)	X

Brush High School is a Saturday morning testing center for college admissions testing purposes. Both the College Board (SAT) and the American College Testing Corporation (ACT) utilize Brush High School as a testing center. Tests are administered at regular intervals throughout the year. Registration materials may be obtained in the guidance center of the high school or on the website for each test.

Note:

- **BHS TEST CODE....361210**
- **ACT** - www.act.org
- **PSAT/SAT** - www.collegeboard.com

It is suggested that students make arrangements to take BOTH the ACT and SAT during the spring of their junior year and possibly test again as a senior, possibly for a better score for college application.

The State Board of Education requires each school district to administer a Work Readiness Assessment. This assessment will be given to all Juniors starting in the Fall 2016. The State Board designated ACT WorkKeys as the work readiness assessment.

COLLEGE ADMISSIONS TESTING SAT/PSAT/ACT

The Learning Express Library delivers instantly scored online diagnostic tests, practice exercises and courses. From basic skills, remediation in Math, Reading, and Writing, to SAT, ACT and Advanced Placement exam preparation, the programs are highly effective and easy to use. Instant essay score reports deliver immediate diagnostic feedback on students' writing abilities – enabling them to identify their own strengths and weaknesses and motivating them to

improve. Students and their parents, as well as K-12 educators, can use this state-funded INFOhio Electronic Resources free of charge. Home access requires a username and password available from the school library.

COLLEGE UNIVERSITY SELECTION PROCESS

A high percentage of Brush High School graduates continue their education at two (2) or four (4) year colleges and universities immediately after graduation. We know that the college and university selection process can be overwhelming; that is why we encourage both students and parents to meet with their school counselors to receive accurate information, assistance and support.

For college/university admissions students are required to complete an application. The Brush High School college application process is as follows:

The following items are to be submitted to the Guidance Secretary:

1. Application completely filled out by student – NO BLANKS
2. Release of information form signed by parents/guardian – To release transcripts
3. Brag sheets/Student Survey completed and submitted to counselor by every senior
4. \$2.00 for **each** hard copy transcript to be sent
5. Check for application fee
6. All essays and resumes (activity sheets) and recommendations submitted with applications

For applications submitted online, all the above apply to this process, including an “**Online Confirmation**” page from the college or university. These documents must be submitted to the guidance secretary.

THE PROCESSING TIME FOR ALL APPLICATIONS AND SCHOLARSHIPS IS APPROXIMATELY TEN (10) BUSINESS DAYS.

COLLEGE & UNIVERSITY VISITS AT BRUSH HIGH SCHOOL

Each year, a variety of colleges/universities send representatives to Brush High School. A list of colleges coming to Brush is posted and is announced over the P.A. well in advance of the visit. Students must sign up for the visit with the Guidance Secretary at least 24 hours in advance. The pass must be signed by the teacher of the class they will miss. Teachers may request that a student not miss their class. College visits provide an opportunity to learn more about various colleges, but should not be a substitute for an on campus academic visit. Students may be limited to a specified number of visits.

COLLEGE & UNIVERSITY VISITS/TOURS

Students may be excused from school to visit a college/university: Freshman not to exceed one (1) day per year, Sophomores not to exceed two (2) days per year, Juniors not to exceed three (3) days per year and Seniors not to exceed four (4) days per year. Arrangements must be made and approved through the attendance office in advance of the visit.

- The student must have a set appointment with the admissions office
- The parent must report the absence ahead of time.
- The student must bring verification of this appointment upon his/her return and present it to the attendance office.

Visits to college/university campuses before the student's choices have been narrowed are encouraged, but should be made during the summer or vacation periods.

POLICIES/REGULATIONS

GRADE PLACEMENT

Students will be promoted to the next grade level according to number of credits earned. In order to be promoted, the following scale is used:

To Grade 10: four and one half (4.5) credits.

To Grade 11: nine (9) credits.

To Grade 12: thirteen (13) credits.

*To be considered a fulltime student, you must be enrolled in 5.5 classes.

GRADE POINT AVERAGE

The Grade Point Average is calculated from the semester grades of all courses except those which are Pass/Fail Courses, i.e., and Study Skills. In calculating the GPA, A= 4 points, A-=3.67, B+=3.33, B=3.0 points, B-= 2.67, C+ = 2.33 points, C= 2.0 points, C-=1.67, D+=1.33, D = 1 point, and F= 0 points. Advanced Placement and Honors grades are awarded one (1) additional point based on a semester grade of C or higher. Points earned for specific subjects will vary depending on the credit granted for the course.

<u>GRADING SCALE</u>				GRADE
				POINTS
A	93	To	100	4.00
A-	90	To	92	3.67
B+	87	To	89	3.33
B	83	To	86	3.0
B-	80	To	82	2.67
C+	77	To	79	2.33
C	73	To	76	2.0
C-	70	To	72	1.67
D+	67	To	69	1.33
D	60	To	66	1.0
F	00	To	59	0

For the class of 2019 and Beyond Grade point values for all Honors classes are weighted as follows: A=4.5, A-=4.125, B+=3.75, B=3.75, B-=3.375, B-=3.0, C=2.625, C+=2.25, C-=1.875, D+=1.3, D=1.0, D-=0.7, F=0.0

For the class of 2019 and Beyond Grade point values for all Advanced Placement classes are weighted as follows: A=5.0, A-=4.59, B+=4.17, B=3.75, B-=3.34, C+=2.92, C=2.5, C-=2.08, D+=1.3, D=1.0, D-=0.7, F=0.0

PASS/FAIL OPTION

*****Pending Review*****

Administration to determine this option. If a course is taken pass/fail, the course is not figured into the student's grade point average.

SCHEDULE CHANGES

The Course Description book is the student's and parent's guide for making their elective course selections. Teachers will be determining the placement for students in next year's Core Classes. The final copy of the student's forecasting sheet is to be signed by a parent/guardian and returned to the student's school counselor. During the time between forecasting and the end of the third marking period, students and parents may discuss and request changes in these courses. After the close of the school year, changes will be limited to correction of: 1) a technical error; 2) academic misplacement; 3) conflict with a required class and; 4) when possible, replacing a study hall with an elective class, provided no other class is moved in the process.

INCOMPLETES

No "Incompletes" are issued unless in extenuating circumstances determined by Administration. The teacher will issue a grade for the work completed; it is the responsibility of the teacher to change the grade as needed for the grading period.

WITHDRAWAL FROM A CLASS

On occasion, a student may request to withdraw from a class. The withdrawal process will be initiated only after discussion with parents, counselor, and teacher after the student has attempted a series of interventions to be successful in that class. If a withdrawal is still requested, the student, parent, counselor, or teacher will complete the appropriate form to initiate the process. This form requires the signatures of the parent, student and counselor, as well as the recommendation signatures of the teacher, department coordinator, and final approval of the principal. Withdrawal from a class will not be permitted if the withdrawal causes the student to fall below the 5.5 credits required per semester. If the withdrawal is approved within the first two weeks of the semester, the student does not incur a penalty.

If the withdrawal is approved after the first two weeks of the semester, the student will receive a Withdraw F (WF) for the semester and will be assigned to a study hall for the remainder of the semester. A WF is averaged into the student's GPA as an (F) and will be reflected on the student's transcript. Please note that this WF may negatively impact a student's ability to participate in sports and extra-curricular activities. When a student moves from one level of class to another as a result of academic misplacement, the change is NOT considered a withdrawal. These situations are generally addressed by the teacher, parent and counselor, with advisement from the department coordinator.

CLASS RANK

At the conclusion of each semester, the students are ranked academically according to Grade Point Average (GPA). The student with the highest cumulative grade point average in the class is

ranked first, the next highest second, etc. Valedictorian and Salutatorian status will be computed using cumulative grades up to and including the 7th semester of the student's senior year. No student shall be eligible for graduation honors, such as Valedictorian, etc. unless they have been enrolled for four (4) consecutive semester(s) prior to the final semester utilized for purposes of determining such honors.

PLAGIARISM

Definition: Plagiarism is “academic thievery.” It is the representation of someone else's ideas as your own. The use of reputable sources in certain papers or projects is a sign of scholarship. However, if those sources are not acknowledged in an in-text citation, a footnote, an endnote, or a bibliography, the result is plagiarism. Sources include books, encyclopedias, reference works, magazines, newspapers, and on-line internet services, audio and video tapes. All of these sources of information must be acknowledged.

Plagiarism occurs if you:

- a) Present someone else's written work (a published author or another student's) as your own.
- b) Paraphrase someone else's written work without giving appropriate acknowledgment (i.e.; without using appropriate documentation to tell where you obtained the information).
- c) Copy a passage word for word and do not use quotation marks.
- d) Substitute words or rearrange the phrasing of a passage without indicating that changes have been made.
- e) Rearrange the order of sentences or ideas from the original passage and present it as your own.
- f) Use phrases or sentences from several sources/passages without crediting all sources used.
- g) Present an unusual opinion or fact without naming the source.

(Source: John Carroll University Department of English Policy on Plagiarism)

Plagiarism, done deliberately or not, is a serious offense. To avoid plagiarism, be sure to document sources used in the format prescribed by your teacher for that assignment.

AWARDS

Comparison of Diplomas with Honors Criteria Students need to fulfill all but one criterion for any of the following Diplomas with Honors. Depending on whether a student is completing a college preparatory or career-technical curriculum, honors diploma requirements differ slightly.		
Subject	<u>High School Academic Diploma with Honors</u>	<u>Career-Technical Diploma with Honors</u>
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, including physics and chemistry	4 units, including physics and chemistry 4 units, including advance science
Social Studies	4 units	4 units
World Language	3 units, including at least 2 units in each language studied	Not counted toward requirements
Fine Arts	1 unit	Not counted toward requirements
Career-Technical	Not counted toward requirements, and may not be used to meet requirements	Not counted in Electives
Electives	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to College Credit Plus (former PSEO) credit.
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections)*	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	None	Achievement proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

Writing sections of either standardized test should not be included in the calculation of this score. Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

1/2 unit Physical Education** 1/2 unit in American History
 1/2 unit Health 1/2 unit in Government

**SB 311 allows school districts to adopt a policy exempting students who participate in athletics, marching band or cheerleading for two full seasons from the physical education requirement.

BRUSH HIGH SCHOOL established the following guidelines:

Honor Roll/Merit Roll will be computed for each quarter. The following procedures will be utilized in determining Honor Roll/Merit Roll status:

A student will achieve Honor Roll status by earning a 3.5 G.P.A. or higher for that quarter.

A Merit Roll status is achieved by earning a 3.0 - 3.49 G.P.A. for that semester.

NATIONAL HONOR SOCIETY

The National Honor Society is a service organization founded to bestow recognition on junior and senior students who have demonstrated exemplary accomplishments in the areas of scholarship, leadership, character, and service. Students do not apply for membership, but are invited to apply based on having a cumulative G.P.A. of 3.5 or higher by the end of the second semester of the sophomore year (for juniors) or junior year (for seniors). New students to the school need to be in attendance for one semester before qualifying for National Honor Society.

Students who have met the G.P.A. requirement are notified by mail that they are eligible to become candidates for membership. An informational meeting for all candidates is held in order to outline the application process.

The Membership Process:

1. Candidates must complete and submit an application of activities and service hours by the deadline date on application. A minimum of 40 hours of service for juniors and 60 hours of documented service for seniors is required before application due date.
2. The NHS faculty advisor receives a document which informs him/her of each student's G.P.A., Co-curricular Activities, Leadership Positions, Service Activities and Community Activities.
3. The NHS Faculty Advisory Committee then considers the strength of each Candidate. The Committee then selects the membership.
4. Candidates are informed in writing of their membership status, immediately following the NHS Faculty Advisory Committee meeting which is held in the fall.

NHS guidelines state, that membership is a privilege and not a right. Students are informed prior to candidacy that the NHS Faculty Advisory Committee is prohibited from sharing any information regarding the selection process.

PRESIDENTS' EDUCATIONAL AWARD FOR EXCELLENCE

This award was established to recognize and reward students for achieving educational excellence. This award is received at the end of each school year.

Grade Point Average

Students are to earn a grade point average of 90 on a 100 point scale (an A- on a letter scale or a 3.5 on a 4.0 scale.) Computing the G.P.A. includes grade 9 through the fall semester of the 12th grade.

Standardized Achievement Test Scores

Achieve in the 85th percentile or higher in math or reading. (High school seniors may use college admissions examinations such as the SAT or ACT.)

Core Courses (High School Seniors only)

TWELVE CREDITS IN FOUR OF THE FOLLOWING FIVE SUBJECT AREAS DURING GRADES 9 THROUGH 12: The senior must complete by graduation, at least twelve (12) high school Carnegie units, or higher level course units, distributed amongst:

- English
- Mathematics
- Science
- History
- Geography

WALL OF FAME AWARDS PROGRAM

The Wall of Fame program was established to recognize Juniors who have distinguished themselves in a unique fashion. The purpose of the award is to encourage students to continue a pattern of excellence, provide others the incentive to emulate honorees, and to express community pride in our students' accomplishments.

Nominations are accepted each year and may be made by any Brush High School staff member, parents, as well as by members of the Junior Class. Those selected to receive the award attend a dinner in the spring where they are honored with a plaque which will be displayed at Brush High School and which will be given back to them upon graduation.

NAIA

National Association of Intercollegiate Athletics

Eligibility Center FAQs

What is the NAIA Eligibility Center?

The NAIA Eligibility Center is responsible for determining the NAIA eligibility of first-time athletes. Any student playing NAIA sports for the first time must meet the eligibility requirements. Students must have their eligibility determined by the NAIA Eligibility Center, and all NAIA schools are bound by the center's decisions.

Who needs to register?

Every student interested in playing sports at NAIA colleges for the first time in 2011-12 or any year after that needs to register and have their eligibility to play determined. This applies to:

- High School Seniors
- Current NAIA students who will play sports for the first time at an NAIA school
- Transfers from two-year colleges
- Transfers from four-year colleges

What happens when I register?

You'll create a personal profile with the basic facts about your academic history and sports participation to date.

You'll also have the opportunity to provide more in-depth information about your experience and accomplishments, plus the type of college you have in mind – size, location, areas of study, extracurricular activities. Then we'll provide a list of NAIA colleges that match those interests. You can choose to have your profile sent directly to the schools – coaches and admissions offices – you choose. It's a personal connection and you're in control.

Do I need to register if I'm registering with the NCAA Eligibility Center?

Yes, determining if you meet requirements for NAIA eligibility is separate from NCAA eligibility certification. The NAIA and NCAA are two separate associations with two different sets of rules and certification processes.

What are the costs?

Registration for students from the U.S. is \$60. Registration for international students is US \$85. This is a one-time nonrefundable registration fee, and all services of the NAIA Eligibility Center are included.

NCAA ELIGIBILITY INFORMATION

WHAT IS THE NCAA?

The National Collegiate Athletic Association was established in 1906 and serves as the athletics governing body for more than 1,280 colleges, universities, conferences and organizations. The national office is in Indianapolis, but the member colleges and universities develop the rules and guidelines for athletics eligibility and athletics competition for each of the three NCAA divisions. The NCAA is committed to the student-athlete and to governing competition in a fair, safe, inclusive and sportsmanlike manner.

WHAT IS THE NCAA ELIGIBILITY CENTER?

The NCAA Eligibility Center works with the NCAA to determine a student's eligibility for athletics participation in his or her first year of college enrollment. Students who want to participate in college sports at the Division I or Division II level during their first year of enrollment in college MUST register with the eligibility center at www.eligibilitycenter.org. Students who plan on participating at the Division III level, DO NOT have to register with the eligibility center. The eligibility center follows NCAA bylaws and regulations in analyzing and processing a student's high school academic records, ACT or SAT scores, and key information about amateurism participation, to determine the student's eligibility. Please see **Appendix H** for an **NCAA Eligibility Center Worksheet** to compute core GPA.

IMPORTANT NOTE:

Any Brush student that intends to participate in athletics during the 2015-2016 school year, must complete an "Intent to Participate" Form and submit with the student-athletes forecasting sheet. Please see **Appendix G** for the **Intent to Participate** Form.

NCAA Division 1 College-Bound Student-Athletes – Eligibility Standards

The initial-eligibility standards for NCAA Division I college-bound student-athletes are changing. College-bound student-athletes first entering a Division I college or university on or after August 1, 2015, will need to meet new academic rules in order to receive athletics aid (scholarship), practice or compete during their first year.

First, here are the terms you need to know:

Full Qualifier: A college-bound student-athlete may receive athletics aid (scholarship), practice and compete in the first year of enrollment at the Division I college or university.

Academic Redshirt: A college-bound student-athlete may receive athletics aid (scholarship) in the first year of enrollment and may practice in the first regular academic team (semester or quarter) but may NOT compete in the first year of enrollment. After the first term is complete,

the college-bound student-athlete must be academically successful at his/her college or university to continue to practice for the rest of the year.

Nonqualifier: A college-bound student-athlete cannot receive athletics aid (scholarship), cannot practice and cannot compete in the first year of enrollment.

Here are the new requirements:

Full Qualifier must:

1. Complete 16 core courses (same distribution as in the past)
 - a. Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
 - i. Seven of the 10 core courses must be English, math or science.
2. Have a minimum core-course GPA of 2.30;
 - a. Grades earned in the 10 required courses required before the senior year are “locked in” for purposes of GPA calculation.
 - i. A repeat of one of the “locked in” courses will not be used to improve the GPA if taken after the seventh semester begins.
3. Meet the competition sliding scale requirement of GPA and ACT/SAT score (this is a new scale with increased GPA/test score requirements); and
4. Graduate from high school.

Academic Redshirt must:

1. Complete 16 core courses (same distribution as in the past)
2. Have a minimum core-course GPA of 2.000;
3. Meet the academic redshirt sliding scale requirement of GPA and ACT/SAT score;
4. Graduate from high school.

Nonqualifier is a college-bound student-athlete who fails to meet the standards for a qualifier or for an academic redshirt. Please go to www.ncaa.org for new rules and sliding scale.

ACADEMIC ELIGIBILITY

(Extra-Curricular Activity/Interscholastic-Athletic Eligibility Policy)

At Brush High School, students are encouraged to participate in the many extra-curricular and sports activities that are available. Academic success in high school is often enhanced when a student reaches out beyond classroom activities and becomes involved in the full high school experience. In order for a student to ensure the opportunity to remain an active participant in the extra-curricular and or athletics activities, he/she must maintain a level of academic achievement. If a student's grades go below a 2.0 standard of eligibility, he/she may be placed on probation or eliminated from the extra-curricular and/or sports activity altogether.

The South Euclid Lyndhurst Board of Education shall determine the academic standards of eligibility to be met by all students participating in the extra-curricular activities/interscholastic athletic programs. In addition to the eligibility requirements established by the South Euclid Lyndhurst Board of Education, any student participating in interscholastic athletics must also meet the eligibility requirements established by The Ohio High School Athletic Association.

The Ohio High School Athletic Association academic eligibility standards are as follows:

During the preceding grading period, the student must have received passing grades in a minimum of five one-credit courses or the equivalent, which count toward graduation.

The South Euclid Lyndhurst Board of Education academic eligibility standards are as follows:

1. Must maintain at least a 2.0 grade point average for the grading period preceding the grading period in which she/he wishes to participate.
2. In the case of a student being educated under an IEP or 504 Plan, the IEP/504 Team shall determine whether or not the student has met eligibility standards appropriate for participation in extra-curricular activities/interscholastic athletics.
3. Students who fall between a 1.00 and 1.99 may participate if they agree to participate in a Probationary Eligibility Agreement. If they are below a 1.00 grade point average, the student is ineligible until the next grading period, i.e., until the next nine-week grading period is up.

Probationary eligibility consists of:

Attending two (2) study table sessions a week, for a minimum of 40 minutes each; the study table sessions will be held Monday through Friday, from 7:30 a.m. to 8:00 a.m. in the library. The study tables will be monitored by a study hall monitor. On Friday, or the last day of the week, the study hall monitor will file a report of attendance with the athletic coordinator/activity advisor at the high school. The athletic coordinator/activity advisor will publish a report on Monday of any student on Probationary Eligibility who is declared ineligible for the week.

If the student completes all requirements of probationary eligibility, the student is eligible to participate in extra-curricular activities/interscholastic athletics. If the student does not complete all requirements, the student will be declared ineligible for a one-week period until the next week study tables are completed. At that time, the student can regain his/her eligibility or continue to be ineligible. The student is ineligible to participate in contests or activities during that one-week period.

If a student is declared ineligible for two weeks of a nine-week grading period, the student will not be eligible to participate in contests or practices during the 2nd week. If a student is declared ineligible for a 3rd week in a nine-week grading period he/she will be declared ineligible for the remainder of the nine-week period.

The activities offered and affected by this policy are listed below:

All Inter-Scholastic Sports	Debate Team	Musical
Academic Team	Drama Club	National Honor Society
Arcettes	Environmental Club	Peer Tutors
AVTV Club	Gay/Straight Alliance	Project Support
Cheerleading	Key Club	Robotics Club
Christian Fellowship Club	MAC Diamonds	Student Congress
Class of 2019 Freshmen Officer	MAC Emeralds	Student Library Advisory Club
Class of 2018 Sophomore Officer	MAC Scholars	Yearbook
Class of 2017 Junior Officer		
Class of 2016 Senior Officer		

The inter-scholastic sports offered and affected by this policy are listed below:

FALL	WINTER	SPRING
Boys' Cross Country	Boys' Basketball	Baseball
Boys' Golf	Girls' Basketball	Boys' Tennis
Football	Boys' Swimming	Boys' Track
Boys' Soccer	Girls' Swimming	Girls' Track
Girls' Cross Country	Wrestling	Softball
Girls' Golf	Hockey	
Girls' Soccer	Bowling	
Girls' Tennis		
Volleyball		

Charles F. Brush High School

Course of Studies

The following page contains a complete listing of the Charles F. Brush High School Elective Courses by grade level. This course of studies for the entire four (4) years is presented to assist students and parents in planning course selections in the proper sequence. The Elective Request Sheet, indicates the grade level that a particular course may be taken. Credit will be granted only once for the successful completion of a course.

Courses are offered only if adequate enrollment is achieved. The student's course of study should not be planned without a careful consultation with the Guidance Department. Each department section begins with a listing of all of the courses offered by that department. Subsequent pages include descriptions of the courses we offer. Thorough program planning demands an awareness of graduation requirements and course prerequisites, as well as knowledge of the purpose and content of all courses of interest to the student.

Students are recommended to a particular course of study based upon two factors, 1) their past academic performance, and 2) their goals after high school. Students and parents must carefully select courses to ensure that enough graduation credits are earned in the category that will prepare him/her to meet specific goals.

Please refer to the Grade Level **Student Course Request Sheets** in **Appendix C**.

FIND YOUR DIRECTION

What direction do you plan to take after your leave Charles F. Brush High School? Whatever it may be, use your at Charles F. Brush High School wisely.

Four-year College Bound:

A Bachelor's Degree is not a career goal. College is a beginning to a diversified future. Exploration of interests is still necessary while you are in high school. The number one reason why students are not successful in college is a lack of discipline and direction.

Two-year College Bound:

An Associate Degree offers specialized technical training in many career areas or provides the first two years of coursework that are transferable to a four-year college. To achieve a two-year technical degree, explore now while in high school. Look into the Tech Prep Options and College Link courses to get a head start on your two-year degree.

Military Options:

The Military is a great alternative for those students who desire training without the cost of college. Two-, three- and four-year options are possible, as well as full-time

enlistment or part-time Reserve or National Guard. Officer training is available while attending college, with scholarships paying tuition for all four years. (ROTC-Reserve Officer Training Corps).

Workplace Bound:

If you plan to enter the world of work immediately after high school, you will need some skills. Non-skilled positions are generally low paying with minimal chances for promotion. Use your time at Lakewood High to get skills that will allow you to earn a living wage.

Whatever the direction you choose, use your electives to explore your interests and abilities. Discover your talents through classes, student activities and career experiences.

All students requesting admission to Honors/AP must complete the appropriate form in the Appendix A and/or B. Students enrolling in Honors and/or AP must meet certain criteria. Students not meeting this criteria but who wish to be considered must be sure to provide reasons as requested on the appropriate forms. Enrollment will be considered on a case by case basis.

When forecasting for the junior year, students may select a technical program through the Mayfield Excel Technical Education Career Consortium. For information on Mayfield Excel TECC, see the section under Consumer and Technical Education.

If you have any questions or concerns regarding the course selection for your student, please do not hesitate to contact the school counselor for your student's grade level.

Please refer to the **Career Pathway** document in **Appendix D** for additional assistance.

ARTS & TECHNOLOGY

COURSE NUMBER		COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
6135	Δ	AP Studio Art/Photography	Photography 2	11-12	Full Year	1
8133	Δ	AP Studio Art/Drawing	Drawing or Painting	11-12	Full Year	1
8118		Drawing I	None	9-10-11-12	One Semester	.50
8114		Painting	None	9-10-11-12	One Semester	.50
8119	Δ	Adv. Drawing & Painting *	Painting or Drawing	10-11-12	Full Year	1
8123		Ceramics	None	9-10-11-12	One Semester	.50
8124	Δ	Adv. Ceramics	Ceramics	10-11-12	Full Year	1
8125	Δ	Ceramics II	Ceramics	10-11-12	One Semester	.50
8122		Digital Photoshop	None	9-10-11-12	One Semester	.50
8128	Δ	Digital Photoshop II	Digital Photoshop	9-10-11-12	One Semester	.50
6215		Graphic Design	None	9-10-11-12	Full Year	1
6125		Photography I	None	9-10-11-12	One Semester	.50
6130	Δ	Photography II	Photography I	10-11-12	One Semester	.50
6120		Wood Technology	None	9-10-11-12	One Semester	.50
8153		Metal Fabrication	None	9-10-11-12	One Semester	.50
6218	Δ	Wood Technology II	Wood Technology	10-11-12	One Semester	.50
6123		Construction & Maintenance	None	9-10-11-12	One Semester	.50
6110		Introduction to Engineering & Design	None	9-10-11-12	One Semester	.50
6000		Art Foundations	None	9-10-11-12	One Semester	.50

*Given the nature of the experience in art, only 12th grade students may unlock new found strengths and talents. At these times, a semester class may not be enough time to allow to fully bloom in a specific medium. On these rare occasions, and at the direction of the teacher, department coordinator, school counselor and administration, these students will be admitted into a full year, advanced level course at the semester. Most art credits qualify as fine arts credit for an Honors Diploma.

Δ Students who wish to expand their artistic education may enroll in any advanced level course only if they have passed their introduction course of their chosen subject with a 'C' average or higher.

ARTS & TECHNOLOGY

AP Studio Art – Drawing

11th, 12th grade

Course Number: 8133 Full Year

1 Credit

Prerequisite: Open to junior and seniors who have taken drawing or painting and passed with a “B” average and teacher recommendation based on portfolio review. AP Studio Art – Drawing is the final course in the fine art development track for extremely dedicated and self-motivated art students. The class is a chance for the visually gifted to excel and receive recognition on a national scale. It allows students to compare their work with other high school students throughout the nation and helps them prepare an excellent portfolio for study at the college level. The teacher will work individually with the students to plan, organize, and prepare their work. Students will submit a Drawing Portfolio in accordance with the College Board Advanced Placement Program (Subject Code #029100). Students enrolling in AP classes will take the AP exam for which the College Board charges a fee. Juniors enrolled in this course will receive credit for “Honors Drawing.” Senior students enrolled in this course will take the AP exam, for which the College Board charges a fee.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

Advanced Drawing & Painting

10th, 11th, 12th grade

Course Number: 8119 Full Year

1 Credit

Prerequisite: Painting or Drawing. Advanced Drawing and Painting takes the skills of the students to a new level. Having mastered the basics in Painting or Drawing, students now begin to adept their own personal style. The content of the class is based on personal expression and large scale projects. Students learn how color and composition can evoke emotion and personality. The works of great artists will be discussed and used as an inspiration for student projects.

Ceramics

9th, 10th, 11th, 12th grade

Course Number: 8123 One Semester

.50 Credit

Ceramics gives students a hands-on experience working in a three-dimensional medium. Designed as an introduction to clay, glazes, and ceramics techniques, students will explore clay through hand-building, slab and coil construction and use of the pottery wheel. Finished ceramic pieces may include coil pots, subtractive sculptures, and large slab vessels.

Ceramics II

10th, 11th, 12th grade

Course Number: 8125 One Semester

.50 Credit

This course is designed for students who have successfully completed Ceramics and would like to continue with the medium in another semester course. Students will continue to develop techniques in slab, coil, and pinch building, as well as throwing on the pottery wheel, and building sculpture. Students will engage in experiences that encompass art history, art appreciation, art criticism, aesthetics, and production.

Advanced Ceramics

10th, 11th, 12th grade

Course Number: 8124 Full Year

1 Credit

Prerequisite: Passing Ceramics with a “B” average or higher. This course is designed to build on the foundation of ceramic techniques and styles expanding each students understanding of three-dimensional materials. Students will develop their individual styles using hand building techniques as well as a major emphasis on the potter’s wheel. Course work will include functional projects as well as sculptural pieces.

Graphic Design

9th, 10th, 11th, 12th grade

Course Number: 6215 Full Year

1 Credit

This course is an introduction to the field of graphic design and computer layout. Students will work in a digital format complete with computers, scanners and digital cameras. Some of the software titles that students will utilize will include Adobe Illustrator and Adobe Photoshop. Course units may involve developing ad campaigns, composing magazine layouts, and designing company logos through the use of the Elements and Principals of Design.

Construction and Maintenance

9th, 10th, 11th, 12th grade

Course Number: 6123 One Semester

.50 Credit

This course is an introduction to residential house construction with a focus on framing, basic electrical wiring, and maintenance practices and techniques. This would include installing drywall, reading blueprints, making technical drawings, understanding plumbing systems and building scale models that comply with local building codes.

Photography I

9th, 10th, 11th, 12th grade

Course Number: 6125 One Semester

.50 Credit

This course serves an introduction to basic black and white darkroom photography. Students will learn creative camera controls, exposure and film development in addition to photographic printing techniques and darkroom manipulations. **It is high recommended that students have their own 35mm camera with manual controls to use by the third week of class.**

Photography II

10th, 11th, 12th grade

Course Number: 6130 One Semester

.50 Credit

As an alternative to Advanced Photography. This class is designed for the student interested in continuing their photographic experience. Students will learn color printing techniques in addition on their existing skills in black and white. Materials will be provided, however, color film processing will be the sole responsibility of the student. **It is high recommended that students have their own 35mm camera with manual controls to use by the third week of class.**

Art Foundations**9th, 10th, 11th, 12th grade****Course Number: 6000 One Semester****.50 Credit**

This course will teach students to express themselves through the graphic arts. Students will explore the Elements and Principles of Art, measurement, color theory, and art history as they create their own original works through Drawing, Painting and Printmaking using a variety of media. This course should be considered the first step before taking other Art electives.

AP Studio Art: 2-D Design/Photography**11th, 12th grade****Course Number: 6135 Full Year****1 Credit**

Prerequisite: Open to Juniors and Seniors who have taken Photography 2 and passed with a “B” average and/or teacher recommendation based on portfolio review. This is an advanced placement course and is for the committed and highly motivated photography student. This class is an opportunity for students to challenge themselves, receive recognition at the national level and receive college credit. Students will prepare a portfolio of photographic works focusing on their strengths in both black and white and color photography using both film and digital processes with guidance from the instructor. Students will be expected to concentrate on the development of subject matter and content in their work by keeping a journal of their progress. All students will submit a 2-D Design/Photography Portfolio in accordance with the College Board Advance Placement Program (Subject Code #029110). Students enrolling AP classes may take the AP Exam for which the College Board charges a fee. **It is highly recommended that students have their own 35mm camera. Materials will be provided; however, color film processing and additional materials are the sole responsibility of the student.** Juniors enrolled in this course will receive credit for “Honors Photography”. Seniors enrolled in this course will take the AP exam, for which the College Board charges a fee.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

Drawing**9th, 10th, 11th, 12th grade****Course Number: 8118 One Semester****.50 Credit**

This course is designed for students who are interested in improving their drawing skills. This will be an intense study of drawing where most of the projects will involve direct observation from life. The assignments will be based on the elements and principles of design. Medium choices may include pencil, scratchboard, charcoal and pastel.

Painting**9th, 10th, 11th, 12th grade****Course Number: 8114 One Semester****.50 Credit**

This course explores various techniques of acrylic painting. Students will learn how to apply color theory to paintings working from references furnished by the students. This course is designed for beginner painters who will learn to appreciate the application of color to their art. It is highly recommended students complete a Drawing course prior to this class.

Digital Photoshop**9th, 10th, 11th, 12th grade****Course Number: 8122 One Semester****.50 Credit**

Adobe Photoshop is considered by many to be the premiere tool when it comes to creating and editing 2D graphics and photos. If you are new to Photoshop, don't be fooled by its name — it's capable of far more than simply editing or repairing photographs. With practice and a bit of imagination, there's no limit to the imagery you can create with Photoshop. This course will help give you a firm grasp of the multitude of tools that Photoshop offers and allow you to gain confidence and skills in both digital photography and basic graphic design.

Digital Photoshop II**9th, 10th, 11th, 12th grade****Course Number: 8128 One Semester****.50 Credit**

Photoshop II is designed for the students who have a strong desire to continue in the development of personal skills in photo manipulation. This course will provide a more advanced look at Photoshop where students can delve deeper into this powerful and creative computer program. Students will find this course to be an enriching challenging and enjoyable way to build on their solid foundation from Digital Photoshop 1.

Metals Fabrication**9th, 10th, 11th, 12th grade****Course Number: 8153 One Semester****.50 Credit**

Metals Fabrication is an introductory course emphasizing basic metal working techniques. Students will gain mastery in cutting, forming, soldering, and finishing. Students will be working on a small scale, creating primarily pieces of jewelry.

Wood Technology**9th, 10th, 11th, 12th grade****Course Number: 6120 One Semester****.50 Credit**

Wood Technology is an introductory course emphasizing the fundamentals of machine and hand tool woodworking. This includes safety, joinery, project design, and finishing technique. The student will also learn beginning mechanical drawing skills and develop the ability to read and produce a basic working drawing.

Wood Technology II**10th, 11th, 12th grade****Course Number: 6218 One Semester****.50 Credit**

Prerequisite: Passing Wood Technology with a "C" average or higher. This course is a continuation of Wood Technology, in which students will begin by reviewing the use of tools and the basic concepts related to building with wood. Students will then concentrate on project design, planning and constructing woodworking projects using power tools.

Introduction to Engineering and Design**9th, 10th, 11th, 12th grade****Course Number: 6110 One Semester****.50 Credit**

This class is open to the discerning student with good scholastic aptitude and the desire to learn and apply the fundamentals of Engineering and design processes to solve problems and design products. Students will experience and learn about design and manufacturing through units that require the student to practice time management, problem solving, cooperative learning with peers, research and development of an idea, and demonstration of higher thought and self-direction in the “real-world” situations.

CONSUMER & TECHNICAL EDUCATION

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
7100	Introduction to Business	None	9-10-11	One Semester	.50
7110	Keyboarding for College & Careers	None	9-10-11-12	One Semester	.50
6260	Managing Life's Transitions	None	10-11-12	Full Year	1.0
9911/9912 *Pending Enrollment*	College & Career Readiness				

Introduction to Business

9th, 10th, 11th, 12th grade

Course Number: 7100 One Semester

.50 Credit

The Intro to Business Course provides students with some background prior to study of the more advanced courses in the business world. It has value for students in presenting career opportunities that they may want to further explore through various types of business occupations that are learning through computer-based assignments. Students will be working individually on computers to complete computer-based textbook assignments.

Keyboarding for College and Careers

9th, 10th, 11th, 12th grade

Course Number 7110 One Semester

.50 Credit

This course is for students who wish to gain a skill in keyboarding and data processing techniques for further use in college work, personal work, or computer basics. Emphasis is on keyboarding manipulation, formatting principles, keying personal and business letters, reports, memos and text editing for final copy. Correct keying techniques are stressed. Students will be introduced to Microsoft Office Suite software.

Managing Life's Transitions

11th, 12th grade

Course Number: 6260 Full Year

1 Credit

This course is offered to set personal, school, family and life goals and then analyze their personal assets and resources to develop and implement plans to achieve their goals. Supporting topics to be studied are: time management skills, causes and implications of stress and how to address the results coping with change, changes in gender roles and responsibilities and their impact in all areas of our lives and the importance of academic success now and in the future. Membership in FCCLA (Family Community Leaders of America) organization is available.

College & Career Readiness

11th, 12th grade

Course Number: 9911/9912 Full Year

1 Credit

****Pending Enrollment****

(Formerly AVID) In 2014-2015, Brush High School embarked upon the creation of a similar program. Honoring key components of AVID, the new program is designed to meet the needs of Brush High School students and reflects Ohio's New Learning Standards and Graduation Requirements. As this course develops, there will be increased opportunities for Brush High School students to select this elective course.

TECH PREP

(What is it?)

The first major difference between the Tech Prep concept and traditional education is summed up by the word relevance. At Excel TECC, the Tech Prep students are learning mathematics, English, and science right along with job skills. Therefore, the mathematics, English and science are related directly to the students' career choice. By making these subjects relevant to the students' career interest, their interest in the subject matter explodes. Students are ready to think through and solve problems similar to those they will encounter in their work place.

The second major difference is integration. This program is a joint effort between Mayfield's Excel TECC, Cuyahoga Community College, Lakeland Community College, and local industry. Committees made up of representatives from each of these bodies met together during the spring and summer to decide just exactly what the students need to learn and how well they need to know each individual competency. The result is that the students are prepared to enter either a two-year college program in their chosen field, or an entry-level position with a company in the Electronics Engineering, Auto Technology, Medical Technologies, and the Manufacturing Technology fields. Once the student earns his or her associate degree at the community college level, he or she may opt to continue at a four-year school. The Tech Prep student definitely has the advantage of having so many options from which to choose.

TECHNICAL EDUCATION

Agricultural & Career Exploration Intervention Programs	Gates Mills
Auto Technology (Tech Prep) 1 & 2	Brush High School
Biotechnology (Tech Prep) 11 or 12	Cuyahoga Community College
Career Based Intervention – Alpha	Alpha Park
Career Based Intervention – Tri-C	Tri-C Eastern Campus
Computer-Aided Design (CAD) 1&2 (Tech Prep)	Mayfield High School
Computers Networking & Electronics 1&2 CNET (Tech Prep)	Mayfield High School
Construction Management (Tech Prep) 1&2 (Tech Prep)	Lakeland Community College
Construction Trades 1&2	Mayfield High School
Cooperative Business Internship	Solon High School
Cosmetology 1 & 2	Brush High School
Culinary Arts 1 & 2	Beachwood High School
Early Childhood Education 1 & 2	Fairmount School at Beachwood
Environmental Education Program 1, 2 & 3	
Grades 10 th , 11 th , 12 *Tech Prep	Cleveland Botanical Garden & Gates Mills
1. Cleveland Botanical Gardens	
2. Floriculture & Gardening Operations	
3. Landscape and Turf Operations	

Hospitality & Food Service Careers 1 & 2	Legacy Village & Embassy Suites
Information Technology Programming (Tech Prep) 1&2	Mayfield High School
Interactive Media (Tech Prep) 1 & 2	Mayfield High School
Job Training	Mayfield Alpha Park
Marketing Communications	Beachwood High School
Medical Careers Technology 11 or 12	Mayfield High School
Medical Technologies (Tech Prep) 1 & 2	Mayfield High School
Performing Arts 1 & 2 (Tech Prep)	Chagrin Falls High School
Public Service Safety Academy 1 & 2 (Tech Prep)	Tri-C East & West
Teaching Professions (Tech Prep) (Seniors Only)	Ursuline College
Video Broadcasting 1 & 2	Aurora High School
Visual Art & Design 1 & 2	Orange High School

Refer to **Appendix E** for a complete list of course descriptions offered at **Excel TECC**.

BRUSH HIGH SCHOOL

Cosmetology 12-Tech Prep
Full Year

12th grade

3 Credits Lab - #9435

.50 Credits-Related

Prerequisite: Cosmetology 11. 150 Hour Internship Estimated Fees; \$210.00. The two-year program continues in grade 12 with related and practical experiences designed to assist the student in developing specific skills and scientific knowledge necessary for entering the workplace as a licensed Cosmetologist. Second semester students will focus on preparing for Ohio State Board of Cosmetology license examination taken in the spring.

The student will gain knowledge and demonstrate: Sanitation procedures; Anatomy, Physiology, and Basic Chemistry Business management (Entrepreneurship Reception duties, Communication Skills, Writing a resume, Filling out job applications, Interviewing skills) Professional Ethics; Hair Care Procedures (Styling, Cutting, Color, Permanent Waving & Chemical Relaxing); Skin Care; Nail Care; Salon Safety Procedure; English Communications; Beyond the Chair Program: A Partnership Program with the Cleveland Clinic; 150 Salon Internship Hours

EXCEL TECC

Technical Education Career Program Offered at Brush High School

Auto Mechanics 1-Tech Prep

11th grade

Course Number: 931/932

Brush High School

College Tech Prep

3 Credits

2 Lab – 1 Related

Prerequisite: Interviewed by the Instructor. By program start date student must have completed coursework required for junior status at their home school including seven (7) credits with a mandatory two (2) credits each earned in English and Mathematics. Recommended for - College Bound/Technical Education. Estimated Fee: TBA

The Auto Technology program is an ASE (Automotive Service Excellence) Certified Master two-year intensified program designed to prepare the student entering into the automotive world on an apprenticeship level. Areas studied include: Brakes, Steering & Suspension, Electrical Engine Performance Air Conditioning Engine Rebuild Manual and Automotive Transmissions. Emphasis is also placed on the career options available in the automotive world, including parts manager, sales manager. Brush High School's provision of equipment supplies and instructional materials is the same as or better than that found in professional work facilities. The content of this technical program realistically reflects the requirements of the labor market. Each day the program will entail one period of related class, where theory lessons are applied. Students can earn college credits through Tri-C for successfully completing the program.

Auto Mechanics 2-Tech Prep

12th grade

Course Number: 950/951 Full Year

3 Credits

2-Lab, 1-Related

Brush High School

College Tech Prep Option

Prerequisite: Passage of Auto Tech 1. Recommended for - College Bound/Technical Education. Theory and lab continues in the senior year with trouble shooting contests and Early Placement as year-end goals. Students may be placed into the automotive field during their second semester of their senior year, providing on-the-job experience while still in high school. Early job placement is dependent upon the student's readiness as determined by the instructor. All students will be required to take the NATEF end of course test. *Students can earn college credits through Tri-C for successfully completing the program.

HEALTH & PHYSICAL EDUCATION

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
7151, 7161	Physical Education 1	None	9-10-11-12	One Semester	.25
7152, 7162	Physical Education 2	None	9-10-11-12	One Semester	.25
7250	Health Education	None	10	One Semester	.50
7269	Competitive Phys. Ed	PE 9	11-12	One Semester	.25
7268	Women's Health	Health	11-12	One Semester	.50
7158	Weight Training I	PE9	10-11-12	One Semester	.25
7159	Weight Training II	PE9	10-11-12	One Semester	.25

Physical Education 1 & 2

9th, 10th, 11th, 12th grade

Course Number: 7151, 7152, 7561, 7162

.25 Credit

One Semester

Two semesters of this course are required by all students for graduation. Effort and participation in both team and individual activities are required to maximize physical and social benefits for each student. All boys must take both 7151 and 7152. All girls must take 7161 and 7162.

Health Education

10th grade

Course Number: 7250 Semester

.50 Credit

This sophomore course enables students to learn how to make better decisions regarding their personal health choices. Specific units include mental health, relationship violence, self-esteem, values, fitness, nutrition, disease detection, substance abuse, sexuality, sexually transmitted disease (STD). Students have the ability to become CPR certified through The American Red Cross. This course is required for graduation.

Women's Health

11th, 12th grade

Course Number: 7268

.50 Credit

Prerequisite: Health 10

This course is designed for upper class women who want to learn more about the female body and health issues related to women. Specific issues that will be covered are: fertility, pregnancy, eating disorders, cancer, depression, addictions, healthy family relationships and identifying abusive relationships

Weight Training I**10th, 11th, 12th grade****Course Number: 7158**

Weight training is a course that will provide students with the opportunity to become more familiar with weight training principles and the benefits that go along with lifting weights. Students will learn the importance of safety, as well as the appropriate use of weight training equipment. A focus is placed on proper technique for all basic lifts and each student will participate in a workout program designed to develop strength and muscular endurance.

Weight Training II**10th, 11th, 12th grade****Course Number: 7159 Semester****.25 Credits****Prerequisite: Weight Training I**

This course is a continuation of Weight Training I.

Competitive Physical Education**11th, 12th grade****Course Number: 7269 Semester****.25 Credits**

Prerequisite: PE 9. This is a class that is being offered for the athlete and non-athlete who loves to compete in a variety of team and individual sports. The class will feature competition in basketball, volleyball, tennis and other sports that the class will decide on. Included in the competition class will be lessons on officiating and coaching each sport. This will be an opportunity to have fun while you are learning! A minimum grade of B in physical education 9 is required or the department coordinator's signature.

LANGUAGE ARTS REQUIRED COURSES

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
1115	Writing I/ Intro to Lit	None	9	Full Year	1
1110	Western Tradition in Literature & Writing	None	9	Full Year	1
1100	Honors English I	None	9	Full Year	1
1210	Eng. 10/Writing & Literature	Writing I/Intro to Media or Western Tradition	10	Full Year	1
1205	Global Perspectives in Literature & Writing	Western Tradition in Literature	10	Full Year	1
1200**	Honors English II	Honors English I or Western Tradition	10	Full Year	1
1310	American Literacy Heritage and Writing	Eng. 10/Writing & Literature or Global Perspectives	11	Full Year	1
1305	American Literature Writing & Research	Global Perspectives	11	Full Year	1
1300**	Honors English III	Honors II or Global Perspectives	11	Full Year	1
1415	Cultural Influences in Literature	American Literacy Heritage or American Lit Writ & Research	12	Full Year	1
1410	Modern Literature	American Literature Writing & Research	12	Full Year	1
1405	British Literature	American Literature Writing & Research	12	Full Year	1
1400	AP English Literature & Comp	See Course Description	12	Full Year	1

ELECTIVE COURSES

1250	Beginning Speech	None	9-10-11-12	One Semester	.50
1251	Advanced Speech	Beginning Speech	10-11-12	One Semester	.50
1260	Theater I & Improv	None	9-10-11-12	Full Year	1
1262	Theater II & Acting	C in Theater I & Improv	10-11-12	Full Year	1
1919	Writing for Success	None	9-10-11	One Semester	.5
1915	Intro to Creative Writing	None	11-12	One Semester	.50
1920	Multi Cultural Literature	C+ in Glob. Persp., Amer. Lit., Honors II or Honors III	11-12	One Semester	.50

REQUIRED COURSES

Successful completion of four years of Language Arts courses is required for graduation. Students who fail a portion of the Language Arts credit will be allowed to move to the next level course. However, the portion failed must be up in summer school or twilight school.

9	10	11	12
WRITING I/ INTRODUCTION TO LITERATURE	ENGLISH 10: WRITING & LITERATURE or GLOBAL PERSPECTIVES (teacher recommendation)	AMERICAN LITERARY HERITAGE AND WRITING or AMERICAN LITERATURE & WRITING (teacher recommendation)	CULTURAL INFLUENCES IN LITERATURE or MODERN LITERATURE & COMMUNICATION (teacher recommendation)
WESTERN TRADITION IN LITERATURE & WRITING	ENGLISH 10: WRITING & LITERATURE or GLOBAL PERSPECTIVES or HONORS ENGLISH II (teacher recommendation)	AMERICAN LITERARY HERITAGE & WRITING or AMERICAN LITERATURE & WRITING or HONORS ENGLISH III (teacher recommendation)	CULTURAL INFLUENCES IN LITERATURE or MODERN LITERATURE & COMMUNICATION or BRITISH LITERATURE
HONORS ENGLISH I	HONORS ENGLISH II	HONORS ENGLISH III	BRITISH LITERATURE AP ENGLISH LITERATURE & COMPOSITION*

ELECTIVE COURSES

Elective courses count as credit for graduation but DO NOT apply toward the four-year English requirement

THEATER I 7 IMPROV GRADES 9-12 2014-2015	WRITING FOR SUCCESS GRADES 9-11	BEGINNING SPEECH GRADES 9-12 2015-2016
THEATER II & ACTING GRADES 10-12	INTRO TO CREATING WRITING GRADES 11-12	ADVANCED SPEECH GRADES 10-12 2016-2017
MULTI-CULTURAL LITERATURE GRADES 11-12		

Fees: NOTE: A PAPERBACK FEE IS REQUIRED IN ALL LANGUAGE ARTS COURSES.

Writing I/Introduction to

Literature and Writing

9th grade

Course Number: 1115 Full Year

1 Credit

SUMMER READING: THE GIVER (Lowry)

Composition activities are designed to enable the student to express his/her ideas clearly in writing and in speaking. The student is offered the opportunity to practice a variety of writing techniques aimed at creating effective sentences and coherent paragraphs. Grammar is reviewed through the writing process. Informal and formal speech activities based on personal experience are incorporated into the curriculum. The development of spelling skills and vocabulary is stressed throughout the year.

Literature activities are designed to direct the student through the levels of comprehension. The curriculum includes comparison and contrast of print and visual media. The student explores literature as a source of information and education and is encouraged to become aware of the differences involved in evaluating and interpreting writings of fiction, non-fiction, and poetry.

Western Tradition

9th grade

Literature and Writing

1 Credit

Course Number: 1110 Full Year

SUMMER READING: THE CURIOUS INCIDENT OF THE DOG IN THE NIGHT-TIME (Haddon)

Literature activities introduce the student to traditional and contemporary literature. Selections drawn from a wide range of sources and cultures reflect the diversity and richness of literature. The course provides a comprehensive study of literary types: epics, short stories, non-fiction, poetry, drama, and the novel. The student discovers, interprets, evaluates, and applies ideas/themes of literature through guided discussions, cooperative groups, and individual response and analysis.

Composition activities are designed for the student who has a command of writing and grammar fundamentals and is ready to experiment with a variety of writing techniques. Students review the basic elements of the paragraph and methods of paragraph development. By the conclusion of the course, students will be expected to write compositions of several

paragraphs. Composition practice focuses on the skills for effective description and narration. Techniques of exposition and the foundations of research are introduced. Vocabulary is strengthened through the selection of precise words and the study of the connotation of words. Grammar, mechanics, and usage skills will be presented as needed.

English 10:

10th grade

Writing and Literature

Course Number: 1210 Full Year

1 Credit

Prerequisite: Intro to Literature and Writing

SUMMER READING: *IF YOU COME SOFTLY* (Woodson) Composition activities are designed to advance communication skills including writing, rules of grammar, essential forms of paragraph writing, and effective speaking. Literature activities emphasize reading and discussions with the concerns of growing up, making decisions, and coping with the challenges that beset the adolescent and young adult. A great deal of the material is contemporary. During the year, students read, discuss, and write about selected novel. Students are required to complete a research paper.

**Global Perspectives in
Literature and Writing**

10th grade

Course Number: 1205 Full Year

1 Credit

Prerequisite: Western Tradition in Literature and Writing

SUMMER READING: *THE KITE RUNNER* (Hosseini)

Reading and literature activities focus on twentieth century western and non-western works that present personal, cultural, social, ethical, and political concerns that confront modern society. The approach is thematic and includes fiction, non-fiction, poetry, and drama. Text selections will enable the student to gain a global view of literary traditions, develop an understanding of and appreciation for diversity in literary works, and determine the common characteristics, techniques, and themes found in all cultures and their literature.

Composition activities emerge from the literature studies and themes presented. Emphasis will be given to the writing of exposition and on the development of skills in diction and sentence structure to achieve a mature style. The student will clarify his/her thoughts, organize them, and set them down in writing. Grammar, mechanics, and usage skills will be presented as needed. Students are required to complete a research paper.

American Literary Heritage & Writing

11th grade

Course Number: 1310 Full Year

1 Credit

Prerequisite: Literature and Writing: Transition to Adulthood

SUMMER READING: *THE PEARL* (Steinbeck)

Composition activities are designed for the student who plans to enter the world of work or a junior or vocational college after graduation. All areas of written and oral communication, including the various types of business correspondence, are emphasized.

Literature activities are designed to give the students an appreciation of the diverse cultural heritage in American literature. The students will read, write about, and discuss the content,

form, themes, and importance of literature by major American authors from varied backgrounds from the earliest literature to the present.

American Literature

11th grade

Writing and Research

Course Number: 1305 Full Year

1 Credit

Prerequisite: Global Perspectives in Literature and Writing

SUMMER READING: NATIVE SON (Wright)

Composition activities are designed to refine expression in descriptive, expository, argumentative, and persuasive essays. Emphasis is placed on the writing process with a special focus on the use of appropriate diction and varied desired effect. An intensive unit on the techniques of the research paper and appropriate documentation will culminate in the production of an individual research paper, a requirement of the course. Grammar, mechanics, and usage skills will be presented as needed.

Readings and literature activities provide a background in the styles and themes which form America's literary tradition. The course traces, chronologically and/or thematically, America's earliest literary beginnings, from her colonial endeavors, through her advancements historically, culturally, socially, and technologically, and through the twentieth century. Traditional works as well as those by minority and women writers will introduce the student to the rich diversity of American literature.

Cultural Influences in Literature

12th grade

Course Number: 1415 Full Year

1 Credit

Prerequisite: American Literary Heritage and Writing ***SUMMER READING: THE FREEDOM WRITERS DIARY (Gruwell)***

This course involves a study of modern literature and visual media and the relationship between them, as well as the traditional literary and societal influences which have helped to shape modern and contemporary works. Primary emphasis is on the development of character and on theme in novels and short works of fiction. Other units include a study of language and language terms, film, modern non-fiction, poetry and the essay. Reading and writing skills are stressed.

Modern Literature and Composition

12th grade

Course Number: 1410 Full Year

1 Credit

Prerequisite: "C" average in American Literature, Writing, and Research or recommendation of junior year teacher

SUMMER READING: FAHRENHEIT 451 (Ray Bradbury)

NOTE: Qualified seniors are encouraged to take both Modern Literature and British Literature in their senior year. Modern Literature and Composition presents a thematic view of twentieth century literature and the arts to enable students to broaden their literary experience and strengthen interpretive skills. Major works, both print and visual, which convey numerous viewpoints on the theme, serve as the foundation of the units. These may include THE INDIVIDUAL IN SOCIETY, UTOPIAN SOCIETIES, INTELLECTUAL FREEDOM, SCIENCE AND THE HUMANITIES. Current events, ethical issues, and social concerns are explored through the literature which includes full length fiction, nonfiction, poetry, drama, and film. Students will

read modern and contemporary works and compare/contrast them with modern renditions in print and film.

Designed to provide a foundation for college freshman writing courses, Modern Literature and Composition offers students the opportunity to practice a variety of writing types. Composition skills are practiced extensively and are refined throughout the course as writings range from personal response to analysis and criticism of what is read, discussed, and viewed. Writing assignments emerge from the literature and themes studied. Students can expect to display their knowledge and appreciation of works in writing, projects, and performances.

British Literature and Composition

12th grade

Course Number: 1405 Full Year

1 Credit

Prerequisite: C+ in American Literature, Writing and Research or recommendation of junior year teacher.

SUMMER READING: THE SWORD IN THE STONE first installment in THE ONCE AND FUTURE KING (T.H. White)

NOTE: Students will be expected to complete the entire novel during the first month of school. NOTE: Qualified seniors are encouraged to take both British Literature and Modern Literature in their senior year. British literature provides a chronological survey of selected works and authors from the Anglo-Saxon period through the modern period. During the first semester, students read, write about, and discuss content, form, theme and importance of selected British masters and their works from the Anglo-Saxon thru the medieval period. During the second semester, students read and analyze satire, prose, and poetry through the Romanticism period. Pertinent historical events are discussed as they influence the literature of the period. The development of the English language through word origins and selected vocabulary is also a feature of the course. Composition activities focus on the in-class essay, literary reaction and analysis, and the primary source paper. Students will select, read independently, and produce a literary critique of two British novels. Students can expect to display their knowledge and appreciation of works in writing, projects, and performances.

LANGUAGE ARTS HONORS/ADVANCED PLACEMENT PROGRAM

Honors English I

9th grade

Course Number: 1100 Full Year

1 Credit

Prerequisite: Teacher recommendation, STARS Assessment date and/or Gifted Identification, and overall classroom performance will be given consideration.

SUMMER READING: TO KILL A MOCKINGBIRD (Harper Lee) and COLD SASSY TREE (Olive Ann Burns) WRITING ASSIGNMENT WILL BE PROVIDED BY THE END OF THE SCHOOL YEAR. Summer reading and writing are to be completed prior to the first day of school. Papers submitted late will lose an initial credit of 25% and 10% per school day and 15% over the weekend. The course includes the strengthening of vocabulary through the study of context and use in literature and the application of grammar concepts through systematic writing assignments focusing on specific skills of exposition. Students read short stories, novels, poetry, mythology, and drama. Because of the intensive,

in-depth reading and writing demands of this course, letter grades are weighted. Students entering this class must be highly motivated, exhibit an enthusiasm for extensive and varied reading analysis, and an interest in exchanging ideas and challenging assumptions appearing in literature.

Honors English II

10th grade

Course Number: 1200 Full Year

1 Credit

Prerequisite: Acceptance by the department

SUMMER READING: *NIGHT* (Marion Wiesel trans. 2006); *BLACK Boy* (Richard Wright)

WRITING: ASSIGNMENT WILL BE PROVIDED BY THE END OF THE SCHOOL YEAR. Summer reading and a writing assignment are required to be completed prior to and due on the first day of school. The course includes a study of novels from the nineteenth and twentieth centuries, Greek drama, Shakespearean drama, a modern drama, and a poetry unit. Supplementary reading focuses on biography and other non-fiction works. Composition assignments, both in and out of class, include the analytical essay and the literary critique. Extensive vocabulary study helps sharpen writing skills. Summer reading papers submitted late will lose an initial 25% credit and 10% per school day and 15% over the weekend.

Honors English III

11th grade

Course Number: 1300 Full Year

1 Credit

Prerequisite: A – B Average in Honors I or acceptance by the department

SUMMER READING: *ADVENTURES OF HUCKLEBERRY FINN* (Mark Twain); *THE SCARLET LETTER* (Hawthorne); **WRITING: ASSIGNMENT WILL BE PROVIDED BY THE END OF THE SCHOOL YEAR.** Summer reading and writing assignments must be completed prior to the first day of school and submitted on the first day of class. Papers submitted late will lose an initial 25% credit and 10% per school day and 15% over the weekend. The course includes extensive reading of significant novels, dramatic works, poetry and philosophy with an emphasis on American literature. Additionally, students will read works of literary criticism and write a critical essay on each of the readings. Students must complete a ten to twelve page term paper in the second semester.

Advanced Placement

12th grade

English Literature and Composition

1 Credit

Course Section 1400 Full Year

Prerequisite: A “B” average in Honors II.

SUMMER READING: *DRAMATIC COMEDY: GAMMER GURTON’S NEEDLE* (Anonymous); *MUCH ADO ABOUT NOTHING* (Shakespeare); *SHE STOOPS TO CONQUER* (Goldsmith); *THE IMPORTANCE OF BEING EARNEST* (Wilde); *BLITHE SPIRIT* (Noel Coward) **NOVEL: PRIDE AND PREJUDICE** (Austen) **WRITING: ASSIGNMENT WILL BE PROVIDED BY THE END OF THE SCHOOL YEAR.**

Summer reading and a writing assignment are required to be completed prior to and due on the first day of school in September. Papers submitted late will lose an initial 25% credit and 10% per school day and 15% over the weekend. The course is a chronological survey of English literature with special emphasis on drama and poetry. Class format follows the seminar approach to enable

the student to examine the style, content, and literary quality of a work and to refine organizational and articulation skills. The skills of close reading, interpretation, analysis, and evaluation are emphasized. To develop precision in diction and in expression of ideas in preparation for college work and the AP exam, emphasis is placed on the in-class analytical essay. ***Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.***

Language Arts Elective

*Credit from elective courses DOES NOT apply toward the four-credit Language Arts requirement. A course in public speaking gives students the confidence and poise necessary for success in college and in careers. **The Language Arts Department highly recommends that each student take introduction to Speech as part of their elective program at Brush.** One full credit of a speech or drama course will qualify as the Fine Arts credit for an Honors Diploma.*

Beginning Speech

9th, 10th, 11th, 12th grade

Course Number: 1250 One Semester

.50 Credit

This course will be offered for the 2015-2016 school year. This course is for all students interested in learning how to organize ideas, explore many aspects of oral communication and become more efficient listeners. Students will learn techniques of voice and body control, how to use a variety of audio-visual aids in speech making, and how to prepare and deliver speeches to inform, stimulate, process and persuade.

Advanced Speech

10th, 11th, 12th grade

Course Number: 1251 One Semester

.50 Credit

This course will be potentially offered for the 2014-2015 school year.

Prerequisite: Beginning Speech. This course includes the study of communication skills needed for effective discussion, basic principles of argumentation and theories and concepts of persuasive communication. Experimentation with various forms of oral interpretations of prose, poetry, monologues and Reader's Theater is included. The Course is designed to increase the students' abilities to think critically and to establish interpersonal relationships within the context of the group.

Writing for Success

9th, 10th, 11th, grade

Course Number: 1919 One Semester

.50 Credit

The primary focus of this class is to support students who plan on attending college. The focus will be to work in small groups to improve the student's ability to write in an academic setting. Students will focus on academic writing, technical writing, grammar and mechanics. Students will get personal attention from the teacher to help them to understand the process of writing. Forms that will be addressed, five (5) paragraph essays, compare and contrast essays, narrative essays, expository and research writing.

Theater I & Improv 9th, 10th, 11th, 12th grade
Course Number: 1260 Full Year 1 Credit
This course will potentially run in the 2014-2015 school year.

This year-long course focuses on the principles of theater and improvisation. The class introduces students to theater history, character development, costume design and make-up, script analysis, rehearsal and performance, reader's theater, and the technical elements of production. The course will also introduce students to the elements of improvisational acting in both individual and ensemble performance settings. This aspect of the course will teach students the art of spontaneous creation. Individual and group exercises progress from pantomime through dramatic and comedic monologues, to duet and small group scenes and one-act plays.

Theater II & Acting 10th, 11th, 12th grade
Course Section: 1262 Full Year 1 Credit
Prerequisite: C or higher in Theater I

This course will run in the 2015-2016 school year

This course builds on the theories and skills introduced in Theater I and Improv. Designed for the student who is interested in gaining a deeper understanding of drama in general and acting in particular, Theater II exposes students to a broad range of classic and contemporary drama, including works from the Greeks, Commedia dell'Arte, Shakespeare, and modern and contemporary drama. Students will focus on the dramatic and literary merits of these works. Students will have the opportunity to choose and prepare monologues and ensemble scenes for study and may, as a team, develop a theater production for public performance.

Introduction to Creative Writing 11th, 12th grade
Course Section: 1915 One Semester .50 Credit
Prerequisite: Students should be earning a C+ or better in their current Language Arts Course. This course provides an outlet for students who wish to explore the imaginative expression of ideas. Students will gain an appreciation for the creative process by examining literary models and producing a variety of short literary works including character and story sketches, lyric poems, children's books and other commercial creative projects as time allows. Students will be expected to keep a writer's journal, write and revise daily, work with others to share and critique student work, and submit completed works for publications for the school newspaper. Student work will be evaluated through portfolio/collections of works. Students who enroll should be achieving at least a C+ in their current language arts required course and have a solid grasp of written expression.

Multi-Cultural Literature 11th, 12th, grade
Course Number: 1920 One Semester .50 Credit
Prerequisite: C+ in Global Perspectives, American Lit., Honors II or Honors III.

Multi-Cultural Literature involves the exploration of literature written by African-American writers. This course will provide a parallel structure that will examine a variety of genres as it correlates to thematically to African-American experience. Emphasis will be placed on the analysis of key literary terms (i.e. voice tone, author's purpose theme, etc.). Student work and understanding will be evaluated through a portfolio of literary analyses of individual works. Class discussions and analysis of works will emphasize the exploration of the African-American experience in the United States and an appreciation of the cultural writing styles.

MATHEMATICS

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
3120	Common Core Algebra 1	None	9	Full Year	1
3125	Common Core Geometry	Common Core Algebra 1	9-10	Full Year	1
3210	Common Core Algebra 2	Common Core Geometry	10-11	Full Year	1
3205	Algebra 2	Geometry	11-12	Full Year	1
3410	College Algebra 2	Algebra 2	12	Full Year	1
3315	*FST	Adv. Algebra 2 or College Alg. 2	11-12	Full Year	1
3310	Pre-Calculus	FST or Adv. Algebra 2	11-12	Full Year	1
3100	Honors Algebra 2	Adv. Geometry from Memorial	9	Full Year	1
3200	*Honors FST	Honors Algebra 2	10	Full Year	1
3300	Honors Analysis	Honors FST	11	Full Year	1
3400	AP Calc AB	Honors Analysis or PreCalculus	12	Full Year	1
3403	AP Calc BC	Honors Analysis	12	Full Year	1
3525	AP Stats	Honors Analysis or PreCalculus	12	Full Year	1
3412	College Prep Math	Algebra 2 or FST	12	Full Year	1

A passing grade in all courses is a prerequisite for the next course. A full credit is required prior to scheduling the next course. A half credit can be made up in summer school, twilight school or student will need to repeat the course the following year.

Common Core Algebra 1
Course Section: 3120 Full Year
Prerequisite: None

9th grade
1 Credit

This college Preparatory course will focus on the Common Core Mathematics Standards. The topics will include linear, exponential and quadratic function, mathematic modeling of data for all said functions. Students will understand and classify numeral patterns as arithmetic and geometric sequences. Graphing and solving systems of linear equations and inequalities. Topics in number theory will include the properties of real and imaginary number values.

Students will obtain a strong understanding of polynomial operations including factoring quadratics. The course will be supported by the use of Carnegie Learning Cognitive Tutor software. **(TI-30 scientific calculator is required for this course.)**

Common Core Geometry

9th, 10th, grade

Course Number: 3125 Full Year

1 Credit

Prerequisite: Common Core Algebra 1

This college preparatory course will focus on Common Core Mathematical Standards. The topics will cover a wide range of geometrical foundations; such as constructions, theorems, postulates, properties and proofs. The initial content will revolve around points, lines, planes and transformations in the coordinate plane. This content will build to application problems of two-dimensional and three-dimensional shapes in the real world. The next main content will take an in-depth look at triangles; such as properties of, congruence and similarity within the coordinate plane, and trigonometric application problems. From there, the course studies quadrilaterals by categorizing them and analyzing their unique properties. The last geometric figure that will be studied is circles. This topic will look at properties of circles, along with deriving equations of, and applying arc length and area of a sector to real world applications. The course will conclude with data analysis using compound probabilities, permutations and combinations. Technology support will take the form of the Carnegie Learning Cognitive Tutor software. **(TI-30 scientific calculator, protractor, compass and ruler are required for this course).**

Algebra 2

11th grade

Course Number: 3205 Full Year

1 Credit

Prerequisite: CC Geometry

This is the first course in a college preparatory Algebra 2 sequence. The following topics will be covered: equations & inequalities, systems, quadratic functions, real & complex numbers, polynomial functions and matrices. In the classroom, the student will learn to use multiple representations to analyze questions and evaluate answers. An additional teaching method of instruction includes the use of the Carnegie Cognitive Learning Tutorial computer program. **(TI-83 Plus graphing calculator is required for this course).**

College Algebra 2

11th, 12th grade

Course Number: 3410 Full Year

1 Credit

Prerequisite: Algebra 2

This is the second course in a college preparatory Algebra 2 sequence. The following topics will be covered: exponential & logarithmic functions, rational and radical functions, sequences & series, counting methods and probability, as well as introductory statistics. In the classroom, the student will learn to use multiple representations to analyze questions and evaluate answers. An additional teaching method of instruction includes the use of the Carnegie Cognitive Learning Tutorial computer program. **(TI-83 Plus graphing calculator is required for this course).**

Common Core Algebra 2
Course Number: 3210 Full Year
Prerequisite: CC Geometry

10th, 11th grade
1 Credit

Or Geometry with a teacher recommendation

Common Core Algebra 2 is an extension of our College Preparatory program. The student will expand their understanding of the four critical topics formulated from Common Core State Standards; functions, modeling, geometry and statistics & probability. Topics will include in depth exploration of polynomial, rational, radical and exponential functions. The course will examine right triangle trigonometry, trigonometric identities, the unit circle and transformation on graphs of diverse function. Emphasis of instruction will be the development of Standards of Mathematics Practices. **(TI-83 Plus graphing calculator is required for this course).**

Functions Stats & Trigonometry
Course Number: 3315 Full Year
Prerequisite: CC Algebra 2

11th, 12th grade
1 Credit

This course is offered to strengthen the mathematical skills of students who have successfully completed Algebra 2, but are not ready to enter Pre-Calculus. Graphing calculators are used throughout the course to promote a student's ability to visualize functions, to simulate experiments, and to develop a concept of limit. Topics include polynomial, trigonometric, exponential and logarithmic functions, sequence and series, and permutations. **(TI-83 plus graphing calculator is required for this class).**

Pre-Calculus
Course Number: 3310 Full Year

11th, 12th grade
1 Credit

Prerequisite: B- or better in either Advanced Algebra 2 or FST with Department Recommendation.

This course is required for those students entering technical, scientific, mathematical, computer science, or business majors in college. The course includes: functions of the acute angle; the solutions of right triangles; solutions of oblique triangles; the functions of two angles and complex numbers. This course will also cover the five basic plane curves-straight line, the study of conic sections, determinants and matrices; solutions of higher equations; and sequence and series. The major objective of the course is to prepare the student for a first-year Calculus course. Every student successful in this course should plan to take AP Calculus AB the following year.

(TI- 83 plus graphing calculator is required for this course).

Honors Algebra 2
Course Number: 3100 Full Year

9th grade
1 Credit

Prerequisite: C+ or better in Advanced Geometry

This course is the first in a series of honors math courses leading to AP Calculus. Honors Algebra 2 is a rigorous, fast paced course designed for students who demonstrate superior skills in Algebra 1 and Geometry. Topics in this course are covered in greater depth compared with the regular Algebra curriculum. Greater emphasis placed on functions, theory of equations, matrices, mathematics notation and binomial expansion. **(TI- 83 plus graphing calculator is required for this course).**

Honors Functions**10th grade****Statistics & Trigonometry****Course Number: 3200 Full Year****1 Credit**

Prerequisite: C+ or better in Honors Algebra 2 and Department Recommendation. This course is the second of a sequence of high school honors courses that prepare students for the AP Calculus BC course in the senior year and eventually for a calculus-based advanced statistics course in college. Students must be academically talented and highly motivated to experience success in the course. Throughout the year, students use a variety of problem solving strategies in combination with real-world problems, data analysis and calculator and computer technology. This combination will be used to create settings that model the future problem solving these students will encounter in and after other mathematics courses. The topics for this course can be divided into four major themes: (1) Functions and Conic Sections, (2) Trigonometry, (3) Probability and Statistics, and (4) Sequences, Series and Combinations. **(TI 83 plus graphing calculator is required for this course).**

Honors Analysis**11th grade****Course Number: 3300 Full Year****1 Credit**

Prerequisite: C+ or better in Honors Functions, Statistics and Trigonometry and Department Recommendation. This course is the last in the series of honors prerequisites designed to prepare the student for a full Advanced Placement Calculus BC course in the 12th grade. Students entering this course are expected to be thoroughly familiar with algebraic properties and concepts. Topics discussed include: the axioms and properties of ordered fields, complex numbers; mathematical induction; sequences and series; data analysis; polynomial functions; exponential and logarithmic functions; circular and trigonometric functions; an introduction to analytical geometry, and an introduction to derivatives. **(TI 83 plus graphing calculator is required for this course).**

Advanced Placement Calculus AB**12th grade****Course Number: 3400 Full Year****1 Credit**

Prerequisite: C+ or better in Pre-Calculus or Honors Analysis and Department Recommendation. This course is designed for all students who passed a complete year of Pre-Calculus in their junior year with a C+ or better. It covers topics included in a first semester college Calculus course and functions are represented from a graphical, numerical, algebraic, and verbal approach. Course content parallels the topics identified by the College Board as tested on Advanced Placement Calculus AB exam. Topics covered include: multiple representations of functions, limits and derivatives, differentiation rules, optimization problems, Newton's method, Riemann sums, interpretations and properties of integrals, applications of the integral, differential equations, and slope fields. At the end of this course, the student will take the Advanced Placement AB exam. **(TI- 83 plus calculator is required for this course).**

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

Advanced Placement Calculus BC**12th grade****Course Number: 3403 Full Year****1 Credit****Prerequisite: C+ or better in Honors Analysis along with Department Recommendation.**

The prime objective of the course is the preparation for the Advanced Placement Examination. While initially conceived for students intending a future mathematics and natural science college major, the course has been broadened to include applications which are important to students with a wide range of other interests. Topics covered are: analytic preparation in the study of functions; theory, proof and applications of theorems related to limits, continuity, differentiability and integrability; algebraic, trigonometric and transcendental functions; and derivations and applications of formulas for differentiating and integrating. Every student enrolled in this course is expected to take the AP Calculus exam at the end of the school year. **(TI-83 plus graphing calculator is required for this course).**

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

AP Statistics**11th, 12th grade****Course Number: 3525 Full Year****1 Credit****Prerequisite: A or B in either Pre-Calculus, Honors FST, Honor Analysis**

The purpose of this AP Statistics course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The course will follow the topics and methods of instruction suggested by the College Board. Topics include gathering and analyzing data, planning a statistical study, producing probability models and simulations, and statistical inference. Students will be required to use modern technology to make and prepare presentations and reports both written and oral. Students taking this course are expected to take the AP Statistics exam at the end of the school year. **(TI- 83 plus graphing calculator is required for this course).**

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

College Prep Mathematics**12th grade****Course Number: 3412 Full Year****1 Credit****Prerequisite: College Algebra 2 or - FST**

This course is offered to any senior wishing to take a fourth year of mathematics. This course is designed for those students who plan on attending a four-year college. The first semester will include concepts in statistics and probability. The emphasis will be on the use of real data, experimentation and the communication of outcomes. The second semester will allow students to strengthen their algebra and trigonometry skills needed for college mathematics. **(TI-83 plus calculator is required for this course).**

MUSIC

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
INSTRUMENTAL					
8175	+Band	Performance Skill & Training Course	9-10-11-12	Full Year	1
8281	+Show Choir	Performance Skill & Training Course	9-10-11-12	Full Year	.50
8155	+Orchestra	Performance Skill & Training Course	9-10-11-12	Full Year	1
8156	+Chamber Ensemble	Performance Skill & Training Course	10-11-12	Full Year	.50
8182	+Jazz Ensemble	Teacher recommendation Student must also be scheduled for band	9-10-11-12	¾ year	.50
8174	+Orchestra Winds	Performance Skill & Training Course	9-10-11-12	One Semester	.50
VOCAL					
8165	+Concert Choir	Teacher recommendation	9-10-11-12	Full Year	.50
8270	+Chorale	Audition	10-11-12	Full Year	1
8265	+Soundstation	Audition	9-10-11-12	Full Year	1
MUSIC THEORY					
8184	Music in Modern Society	None	9-10-11-12	Full Year	1
8171	Music Theory I	Musical Literacy, Instructor Approval	10-11-12	One Semester	.50
8172	Music Theory II	Music Theory I or Instructor Approval	10-11-12	One Semester	.50

+Students are selected for the course

****All types of instrumental music require auditions and consultation with teacher.**

Music credits qualify as the Fine Arts Credit for the Honors Diploma

Band**9th, 10th, 11th, 12th grade****Course Number: 8175 Full Year****1 Credit****Prerequisite: Performance skill and completion of Brush Band Training Program. Student new to Brush High School must audition.**

Band is a FULL YEAR COURSE open to all students who can play a band instrument, read music, and participate in ALL rehearsals and performances. Like many other courses at Brush High School, band requires a significant investment of time beyond regular school hours. All band members will participate in the Marching Band beginning in July and will participate in either Wind Ensemble or Symphonic Band after the Marching Band season is complete. Students will be placed in Wind Ensemble or Symphonic Band based on an audition that is completed in the spring of the preceding year. Students may join band by successfully completing an audition to demonstrate proficiency in reading music and playing an instrument. (Students with no formal training will first need to receive individual private instruction with a professional teacher in order to gain the skills needed to successfully complete an audition.) Summer rehearsals, performances at football games and band shows, parades, concerts, and OMEA District and State Contests are all integral parts of the course and student evaluation procedures. Students who cannot participate in each of these activities are not eligible to participate in band. Several fees are required for participation in band. Fees for band camp, uniform cleaning, shoes, and other accessories are paid directly to the Brush Band Boosters in the summer. Students who use school-owned instruments will be assessed a usage fee once each semester. Students must be registered for band during the school day in order to participate in any band activities. Students who are in school-sponsored vocational or postsecondary programs may be exempted from this rule with the approval of the band director and the principal or their designee.

Orchestra**9th, 10th, 11th, 12th grade****Course Number: 8281 Full Year****1 Credit****Prerequisite: Performance skill and audition.**

The orchestra is a performing ensemble composed of students with intermediate performance skills on the violin, viola, cello, and string bass. Students who have not been a member of this school district's orchestra program in the previous year must audition to be accepted into the orchestra. Additionally, students with advanced skills and/or a high level of motivation are invited to become members of the chamber strings. All members are strongly encouraged to participate in private lessons. Members will have the opportunity to coach younger students at Memorial and Greenview throughout the school year.

**Orchestra Winds
Full Year****9th, 10th, 11th, 12th grade
.50 Credit**

Band students who are interested in expanding their music experiences may participate in Orchestra Winds.

Chamber Ensemble**10th, 11th, 12th grade****Course Number: 8156 Full Year****.50 Credit****Prerequisite: Performance skill and audition.** Chamber Ensemble is a select group of string musicians. Students perform a wide variety of works scored for smaller groups, focusing on Baroque works. Students need to be available for various evening performances.

Jazz Ensemble**9th, 10th, 11th, 12th grade****Course Number: 8182 ¾ Year****.50 Credit****Prerequisite: Audition**

Jazz ensemble meets after school 1-2 days per week beginning in the 2nd quarter. Students are placed in the group as a result of an audition held in mid to late October. Students interested in Jazz Ensemble must be in Band or have permission from the director in order to audition. Attendance at rehearsals and performances is required as part of the course.

Show Choir Band**9th, 10th, 11th, 12th grade****Course Number: 8281 Full Year****.50 Credit****Prerequisite: An audition may be required**

This course rehearses a minimum of 4 hours per week outside of the school day during re-determined rehearsal times. The band accompanies the Soundsation Show Choir during performances at festivals, concerts, and potential community performances. All members must be present for all rehearsals and performances, both of which are graded. Some overnight travel may be required. Students may be required to attend Show Choir Camp at Brush High School during the month of August. Students may incur fees for travel and costume expenses.

Concert Choir**9th, 10th, 11th, 12th grade****Course Number: 8165 Full Year****1 Credit**

Prerequisite: Open to all with a recommendation from junior high or previous high school choral director. This is a beginning level choir with emphasis on skill building. Students will be taught to read music, rhythms and other musical notations. A wide variety of musical genres will be studied. Students will also gain skill singing in foreign languages. Students do not need an audition **but must be recommended from their junior high or previous high school director.** All members must be present for all rehearsals and performances, both of which are graded. Some rehearsals outside of the school day may be required. Students are expected to purchase concert choir performance attire.

Chorale**10th, 11th, 12th grade – 9th by special invitation****Course Number: 8270 Full Year****1 Credit**

Prerequisite: Audition prior to beginning of school year. Students must be able to sight read music, understand musical notation and have good skill and understanding of proper concert and rehearsal etiquette. Chorale is an upper level choir and is designed to refine choral singing ability, sight reading skill, and music theory knowledge. Chorale performs for community and school events. All members must be present for all rehearsals and performances, both of which are graded. All students must audition prior to entrance, and any student without prior choir experience must begin in Concert Choir. Students will also gain skill in a Capella singing in both a large group and small group setting. Students are expected to purchase appropriate chorale concert attire.

Soundsation Show Choir**9th, 10th, 11th, 12th grade****Course Number: 8265 Full Year****1 Credit****Prerequisite: Spring audition including vocal, dance and basic music theory assessment**

Soundsation Show Choir is an ensemble of singer/ dancers who work to build music theory and choral reading skills and perform at festivals, concerts, and potential community events. Students will perform a variety of vocal music styles from pop to classical repertoire. All students must audition and attend a mandatory camp in the summer. All members must be present for all rehearsals and performances, both of which are graded. Students meet during one period of the school day in addition to 4-6 weekly hours of evening rehearsals. Students are responsible for the costs of costumes and travel, though many fund raising opportunities are available to offset these costs.

Music in Modern Society**9th, 10th, 11th, 12th grade****Course Number: 8184 Full Year****1 Credit**

This course is designed for the student with no formal training in music. Students will explore music technology, songwriting. The music recording industry, the use of music in movies and advertising, and the influences of history and culture on music. Throughout the semester there will be several student designed projects to allow individuals to explore areas of music that interest them.

Music Theory 1**10th, 11th, 12th grade****Course Number: 8171 One Semester****.50 Credit**

Prerequisite: Music Appreciation or the ability to read musical notation (in at least one clef) at the high school level. Music Theory 1 is an entry level music theory course intended for students who have played an instrument, participated in choir, or taken private lessons and are interested in becoming a better musician. Students will develop basic skills in the areas of music history, musical notation, aural skills, and chords that can be applied to a number of instruments.

Music Theory 2**10th, 11th, 12th grade****Course Number: 8172 One Semester****.50 Credit**

Prerequisite: Music Theory 1 or Instructor approval. Music Theory 2 is an extension of the concepts learned in Music Theory I. Students will learn advanced harmonic techniques, aural skills, and basis arranging and compositional techniques. The course will conclude with two student- designed projects.

SCIENCE

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
4100	Physical & Earth Space Science	None	9-10-11-12	Full Year	1
4310	General Biology	Completion of Physical & Earth/Space Science	10-11-12	Full Year	1
4105	Biology	Completion of Physical & Earth Space Science and Algebra 1 (can be concurrent)	9-10-11-12	Full Year	1
4205	Chemistry	College Algebra 2 (can be concurrent)	10-11-12	Full Year	1
4315	Physics	Common Core Algebra 2	10-11-12	Full Year	1
4323	Earth & Space Science	Completion of 3 units of Science except General Biology	11-12	One Semester	.50
4329	Forensic Science 1	Completion of Chemistry	11-12	One Semester	.50
4330	Forensic Science 2	Forensic Science 1	11-12	One Semester	.50
4328	Environmental Science	Completion of 2 units of Science & Algebra 2 (can be concurrent)	11-12	Full Year	1
4400	AP Biology	1 unit of Chemistry	11-12	Full Year	1
4405	AP Chemistry	1 unit of Chemistry	11-12	Full Year	1
4520	AP Physics 1	Common Core	10-11-12	Full Year	1
4318	AP Physics 2	1 unit of Physics & Completion of Common Core Algebra 2	11-12	Full Year	1
4305	Anatomy & Physiology	1 unit each of Bio. & Chem.	11-12	Full Year	1
4500	Honors Physical & Earth/Space Science	Algebra 1	9	Full Year	1
4515	Honors Biology	Completion of Alg. 1 & Physical & Earth/Space Science	9-10-11-12	Full Year	1
4518	Honors Chemistry	Common Core Algebra 2 (can be concurrent)	10-11-12	Full Year	1

SCIENCE RECOMMENDATIONS

Physical & Earth/Space Science is a prerequisite for all of the other science courses at Brush.
Please review the flow chart for possible science sequences from Grades 9 - 12.

The types of science courses taken by students should be influenced by their long-range goals following high school, as well as their ability and interests. **In forecasting for science courses, students must strongly consider the recommendation of their current science teacher.** Please study the sequence flowchart for science courses carefully as well as review the specific prerequisites listed for courses to determine your options. ***Note that many science courses have a math prerequisite as well.**

Students need three years of science for graduation. Science units must include 1 unit of physical sciences, 1 unit of life sciences and 1 unit advanced study in one or more of the following sciences: chemistry, physics, environmental science, or advanced life or physical science.

Students in a college preparatory sequence should complete at least three years of science in high school including one biological science and one physical science.

This could include Physical & Earth/Space Science in the 9th grade followed by Biology, Chemistry, Physics, or Environmental Science in the 10th, 11th, 12th grades. Students with strong math skills and long-range goals in math or science could start with Biology in the 9th grade and progress to Chemistry and/or Physics and/or elective courses such as, Forensic Science, Earth & Space Sciences or Anatomy & Physiology. Strongly motivated students might also consider AP Biology, AP Chemistry, AP Environmental Science, AP Physics for their junior or senior years.

Science Course Offerings for 2015-2016

Suggested sequence: please review Course Descriptions for more information and specific prerequisites.

9 th Grade	10 th Grade	11 th Grade	12 th Grade
PHYSICAL & EARTH/SPACE SCIENCE or HONORS PHYSICAL & EARTH/SPACE SCIENCE	BIOLOGY/HONORS BIOLOGY or GENERAL BIOLOGY	CHEMISTRY/HONORS CHEMISTRY or PHYSICS/AP PHYSICS 1 or ENVIRONMENTAL SCIENCE CHEMISTRY or ENVIRONMENTAL SCIENCE	GROUP A OPTION
BIOLOGY OR HONORS BIOLOGY	CHEMISTRY/HONORS CHEMISTRY PHYSICS/AP PHYSICS 1	GROUP A or B OPTION	GROUP B OPTION

Group A Courses: Earth and Space Science, Forensic Science I, Forensic Science II

Group B Courses: Environmental Science, Chemistry, Honors Chemistry, Physics, Honors Physics, Physiology, Honors Physiology, All AP Science Courses

Please check the course description to make sure you have the proper Science and Math prerequisites.

*Students taking Biology or Honors Biology as a 9th grader must have a prerequisite of Physical and Earth Science as an 8th grader.

Physical & Earth/Space Science
Course Number: 4100 Full Year

8th, 9th, 10th, 11th, 12th grade
1 Credit

There are no prerequisites. Physical & Earth/Space Science is the first year Science course and is required before students move on to other science classes. This course will survey the physical sciences of Chemistry and Physics, as well as Earth/Space Science. Energy and matter will be the focus of the course including the study of the composition of matter, changes in matter, forces and motion, energy in systems, and topics in astronomy and geology. This course will stress the development of scientific thinking through problem solving and quantitative analysis. Laboratory activities will be an essential part of this class.

Biology**9th, 10th, 11th, 12th grade****Course Number: 4105 Full Year****1 Credit**

Prerequisite: One full credit of Physical & Earth/Space Science and Algebra 1 needs to be completed or taken concurrently or with department coordinator approval. Biology is a detailed study of the life sciences. This course is a college preparatory course. Students will receive an introduction to the major themes of biology including cell biology, heredity, evolution, and diversity and interdependence of life. There is also an emphasis on scientific procedures and lab techniques. Computer use and technology will be integral to this class.

General Biology**10th, 11th, 12th grade****Course Number: 4310 Full Year****1 Credit**

Prerequisite: One full credit of Physical & Earth/Space Science and Algebra 1 needs to be completed or taken concurrently or with department coordinator approval. General Biology is designed for students who have completed a year of Physical & Earth/Space Science. The course will emphasize topics in the life sciences by focusing on local resources and issues. Students will receive an introduction to the major themes of biology including cell biology, heredity, evolution, and diversity and interdependence of life. There is also an emphasis on scientific procedures and lab techniques.

Chemistry**10th, 11th, 12th grade****Course Number: 4205 Full Year****1 Credit**

Prerequisite: Biology or Honors Biology. College Algebra II is required, but may be taken concurrently. (Algebra II may not be taken concurrently). This course has a strong laboratory component and emphasizes quantitative analytical skills. Topics covered in the course include scientific method, metric system, atomic structure, development of the concept of the atom, half-life of an isotope, the periodic chart, properties of the elements, stoichiometry, gas laws, states of matter, molecular shapes, chemical bonding energy changes in a chemical system, and thermodynamics. A scientific calculator is a necessity. Computer use and technology will be integral to this class.

Environmental Science**11th, 12th grade****Course Number: 4328****1 Credit**

Prerequisite: Completion of two units of any science and Algebra 2 (can be concurrent).

Environmental Science is an advanced third year course meant for college-bound students. The class is designed as a lab class that explores the environmental sciences including ecosystem structure & function, the interconnected spheres (biosphere, atmosphere, hydrosphere, and lithosphere), population dynamics, resource use, and global environmental issues and impacts. Computer use and technology will be integral to this class.

Physics**10th, 11th, 12th grade****Course Number: 4315 Full Year****1 Credit****Prerequisite: Completed Common Core Algebra 2.**

This course is designed to prepare the student for further work in science, engineering, or health sciences. It is also a recommended basic science course for college-bound students. In physics there is a great deal of emphasis on analytical problem solving. Physics is the study of matter and energy and their relationship to the physical world. Topics include: classical mechanics (Newton's Laws, rotational motion, momentum, and energy), waves, geometrical optics, and electricity. Laboratory experiments, special projects, and topical readings are an integral part of this course. A scientific calculator is a necessity. Computer use and technology will be integral to this class.

Anatomy & Physiology**11th, 12th grade****Course Number: 4305 Full Year****1 Credit****Prerequisite: Biology or Honors Biology and Chemistry or Honors Chemistry.****SUMMER READING, WRITING AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED**

This course should prove helpful to students preparing for a medically oriented career. Prospective nurses, laboratory technicians, physical therapists and physicians can use this as a preparatory course. Modern physiology includes the study of the anatomy of the body, and studies of the functions of the body utilizing the sciences of physics and chemistry. Enzyme action, digestion, muscle and nerve action, respiration and other functions of the body are studied. Computer use and technology will be integral to this class.

NOTE: In any physiology class offered at Brush, dissection is a major lab component. If you are not able to perform a dissection, then you should not take a physiology class.

Earth & Space Science**11th, 12th grade****Course Number: 4323 One Semester****.50 Credit**

Prerequisite: Completion of three units of any science except for General Biology. This course is an elective course meant for college-bound students. The class is designed as a lab class that will explore additional topics not covered in the more traditional science classes. It is a one semester course surveying some of the key topics in the Earth & Space Sciences such as: astronomy, mapping & orienteering, geology, oceanography, or weather. Computer use and technology will be integral to this class.

Forensic Science 1**11th, 12th grade****Course Number: 4329 One Semester****.50 Credit****Prerequisite: Completion of Chemistry or Honors Chemistry.**

Forensic Science is any aspect of science as it relates to the law. Since just about any branch of science could be called into question in a legal proceeding, Forensic Science is a multi-faceted, interdisciplinary course that will cover a variety of science topics. Forensic Science will require students to be good at problem solving and to make critical observations to determine the identification of people, objects, and events. The science disciplines most likely to be used in the class are chemistry, biology, and physics. Computer use and technology will be integral to this class.

Forensic Science 2**11th, 12th grade****Course Number: 4330 One Semester****.50 credit**

Prerequisite: Completion of Forensic Science I. Forensic Science II is a continuation of the concepts learned in Forensic Science I. The class revolves around hands-on activities dealing with the many branches of science and relating them to the law. This is an interdisciplinary course that will challenge students to use most if not all of the science courses that they have already taken. Sciences that are covered in this class include; chemistry, biology, physics, earth science, biotechnology, geology, archeology, and biochemistry. Problem solving skills are a must and students are required to make critical observations to determine the identification of people, objects, and events. Neatness and good organizational skills are needed for the course. Computer use and technology will be integral to this class.

SCIENCE HONORS/ADVANCED PLACEMENT PROGRAM

Honors Physical & Earth/Space Science**9th grade****Course Number: 4500 Full Year****1 Credit Science****Prerequisites: Algebra 1**

SUMMER READING, WRITING AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED.

Honors Physical & Earth/Space Science is an advanced version of the first year Science course and is required before students move on to other science classes. This course will survey the physical sciences of Chemistry and Physics, as well as Earth & Space Science. Energy and matter will be the focus of the course including the study of the composition of matter, changes in matter, forces and motion, energy in systems, and topics in astronomy and geology. This course will stress the development of scientific thinking through problem solving and quantitative analysis. Laboratory activities will be an essential part of this class.

Honors Biology**9th, 10th, 11th, 12th grade****Course Number: 4515 Full Year****1 Credit Science**

SUMMER READING, WRITING, AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED

Prerequisite: One full credit of Physical & Earth Science and Algebra 1. Honors Biology is a rigorous course that follows the topics of General Biology but with a faster pace and greater depth. Greater emphasis is placed on the use of the microscope and the comparative anatomy and physiology of different organisms. There is also an emphasis on proper lab technique and technology. This is an excellent course to take for students who are interested in taking AP Science classes in later years, though it is not a prerequisite for these classes. A Scientific Calculator is a necessity. Computer use and technology will be integral to this class.

Honors Chemistry**10th, 11th, 12th grade****Course Number: 4518 Full Year****1 Credit****Prerequisite: Common Core Algebra 2 is required but may be taken concurrently. (Algebra 2 or College Algebra 2 cannot be taken concurrently).**

SUMMER READING, WRITING AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED. Honors Chemistry is a rigorous course that follows the topics of general Chemistry but with a faster pace and greater depth. Greater emphasis is placed on the mathematical treatment of chemical topics, such as equilibrium, acid- base and thermodynamics. This is an excellent course for students who are interested in taking AP Science classes in later years, though it is not a prerequisite for these classes. A Scientific Calculator is a necessity. Computer use and technology will be integral to this class.

Advanced Placement Physics 1**10th, 11th, 12th grade****Course Number: 4520 Full Year****1 Credit****Prerequisite: Completed Common Core Algebra 2 and Biology or Honors Biology.**

SUMMER READING, WRITING AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED.

AP Physics 1 is a rigorous course that follows the College Board AP Physics 1 curriculum. The student should have an excellent working knowledge of Algebra. Topics covered will include dynamics, statics, rotational dynamics, projectile motion, torque, momentum, electricity, sound, and energy. This course is designed to prepare the student for further work in science, engineering, or health sciences. This course will prepare students for the AP Physics 1 test and the AP Physics 2 course. In physics there is a great deal of emphasis on analytical problem solving. A scientific calculator is a necessity. Computer use and technology will be integral to this class.

*Students enrolled in Advanced Placement course(s) are **REQUIRED** to take the Advanced Placement Exam.*

Advanced Placement Biology**11th, 12th grade****Course Number: 4400 Full Year****1 Credit**

Prerequisite: Chemistry or Honors Chemistry and above-average achievement in all science classes **SUMMER READING, WRITING, AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED.**

The course meets for 1 and 1/2 periods every day. The AP Biology course is the equivalent of an introductory biology course taken by biology majors during their first year in college. The course includes advanced concepts at the college level and utilizes laboratory skills and techniques, which relate these concepts. A Scientific Calculator is a necessity. Computer use and technology will be integral to this class. One of the objectives of the program is to prepare the student to achieve well enough on the standard Advanced Placement Exam (given in the spring) to place out of the first year of college course in biology.

NOTE: In AP Biology dissection is a major lab component. If you are not able to perform a dissection, then you should not take an AP biology class.

*Students enrolled in Advanced Placement course(s) are **REQUIRED** to take the Advanced Placement Exam.*

Advanced Placement Chemistry
Course Number: 4405 Full Year

11th, 12th grade
1 Credit

Prerequisite: Chemistry or Honors Chemistry and above-average achievement in science classes and completion of Core Common Algebra 2.

SUMMER READING, WRITING, AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED

The course meets for 1 and 1/2 periods every day.

The AP Chemistry course is a second year course in chemistry. It is the equivalent of the first year chemistry course in college. The course includes advanced concepts at the college level and utilizes laboratory skills and techniques, which relate these concepts. A Scientific Calculator is a necessity. Computer use and technology will be integral to this class. One of the objectives of the program is to prepare the student to achieve well enough on the standard Advanced Placement Exam (given in the spring) to place out of the first year college course in chemistry.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

Advanced Placement Physics 2
Course Number: 4318 Full Year

11th, 12th grade
1 Credit

Prerequisite: Completion of Common Core Algebra 2, AP Physics 1 or Physics with AP Teacher approval, and above average achievement in science classes. SUMMER READING, WRITING AND/OR OTHER WORK: STUDENTS WILL BE NOTIFIED

The course meets for 1 and 1/2 periods every day. AP Physics is based on a course that provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving ability. The course will be the equivalent of an introductory physics course at the college level that uses advanced algebra and trigonometry as the primary tools for problem solving. Topics covered include the following: waves, sound, electricity, magnetism, fluids, thermodynamics, optics, quantum theory, and nuclear physics. A Scientific Calculator is a necessity. Computer use and technology will be integral to this class. One of the objectives of the program is to prepare the student to achieve well enough on the standard Advanced Placement Exam (given in the spring) to place out of the first year college course in chemistry.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

SOCIAL STUDIES

Successful completion of World History, United States History, and Government, for a total of three (3) credits, is required for graduation. Electives should also be considered for additional credit.

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
2110	World Studies	None	9	Full Year	1
2105	World Influences on the West	None	9	Full Year	1
2100	Honors World History	None	9	Full Year	1
2265	American Studies	World History	10	Full Year	1
2260	U.S. History	World History	10	Full Year	1
2200	AP U.S. History	World History	10	Full Year	1
2205	Global Impact	World/US	11	Full Year	1
2520	African/Amer. History I	World/Us	11	Semester	.50
2521	African Amer. History I	World/Us	11	Semester	.50
2300	AP Euro History	World/Us	11-12	Full Year	1
2410	Civic Responsibility	World/Us	12	Full Year	1
2405	Government & Society	World/Us	12	Full Year	1
2400	AP Govt. & Politics	World/Us	12	Full Year	1
2250	Human Relations	None	11-12	Semester	.50
2350	~Psychology	World/Us	11-12	Semester	.50
2355	+~AP Psychology	Psychology	12	Full Year	1
2430	~Topical Issues	World/Us	12	Semester	.50

+Students are selected for this class

~This class does not count toward 3 year Social Studies requirement for graduation.
(Elective Only)

SOCIAL STUDIES COURSES

*WORLD STUDIES	**AMERICAN STUDIES	*CIVIC RESPONSIBILITY
*WORLD INFLUENCES ON THE WEST	**US HISTORY	***GOVERNMENT & SOCIETY
*HONORS WORLD HISTORY	**AP US HISTORY	***AP GOVERNMENT & POLITICS
3 YEAR SOCIAL STUDIES REQUIREMENTS *MEETS WORLD HISTORY REQUIREMENT **MEETS US HISTORY REQUIREMENT ***MEETS GOVERNMENT REQUIREMENT		TOPICAL ISSUES I
		AP PSYCHOLOGY

SOCIAL STUDIES ELECTIVE COURSES

COURSE NUMBER	COURSE	PREREQUISITE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
2205	Global Impact	World/US	11	Full Year	1
2520	African American History I	World/US	11	Semester	.50
2521	African American History II	World/US	11	Semester	.50
2400	AP Euro. History	World/US	11-12	Full Year	1
2250	Human Relations	None	11-12	Semester	.50
2355	Psychology	World/US	11-12	Full	1
2430	Topical Issues	World/US	12	Semester	.50
2355	AP Psychology	Psychology	12	Full Year	1

World Studies

9th grade

Course Number: 2110

Full Year

1 Credit

World Studies is a survey of our world's political, economic, social and cultural developments. Emphasis of the course will be on the newly aligned content standards for Scientific Revolution/Enlightenment period forward to the modern world. The course will address topics in the fields of history, geography, economics, and political science, as well as focus on developing strong non-fiction reading and writing skills.

World Influences on the West

9th grade

Course Number: 2105

Full year

1 Credit

World Influences on the West is a survey of our world's political, economic, social and cultural developments. Emphasis of the course will be on the newly aligned content standards for Scientific Revolution/Enlightenment period forward to the modern world. The course will address topics in the fields of history, geography, economics, and political science, as well as focus on developing strong non-fiction reading and writing skills.

American Studies**10th grade****Course Number: 2265****Full year****1 Credit**

American Studies is a survey of political, economic, social and cultural developments in the United States. Emphasis will be on the newly aligned content standards for the Progressive Era forward to modern applications of US policy. The course will address topics in the fields of history, geography, economics, and political science, as well as focus on developing strong non-fiction reading and writing skills.

United States History**10th grade****Course Number: 2260****Full year****1 Credit**

United States History is a survey of political, economic, social and cultural developments in the United States. Emphasis will be on the newly aligned content standards for the Progressive Era forward to modern applications of US policy. The course will address topics in the fields of history, geography, economics, and political science, as well as focus on developing strong non-fiction reading and writing skills.

Civic Responsibility**12th grade****Course Number: 2410****Full year****1 Credit**

Civic Responsibility is a survey course integrating the study of political science, sociology and economics (financial literacy). Areas of study include the Constitution (US and Ohio), branches of government, federalism, the political process, civil rights and civil liberties, state and local government actions, role of the media, sociology, and financial literacy. The course will focus on developing strong non-fiction reading and writing skills.

Government and Society**12th grade****Course Number: 2405****Full year****1 Credit**

Government and Society is a survey course integrating the study of political science, sociology and economics (with an emphasis on financial literacy). Areas of study include the Constitution (US and Ohio), branches of government, federalism, the political process, civil rights and civil liberties, state and local government actions, role of the media, sociology, economics and financial literacy. The course will focus on developing strong non-fiction reading and writing skills.

Honors World History**9th grade****Course Number: 2100 Full year****1 Credit****Prerequisite: Application Process**

Honors World History is designed for 9th grade students who plan to apply for entrance into the AP Social Studies Program (grade 10 - 12) Enrollment in Honors World History DOES NOT ensure that a student will be enrolled in the A.P. Program in grade 10. Honors World History is also NOT a requirement for entrance into the A.P. Program. Honors World History is intended for the superior student who desires an intellectual challenge in the study of world history. Honors

World History employs strategies (emphasis on primary sources, etc.) and supplementary materials that are effective and challenging to students electing this program. A strong emphasis is placed on questioning and writing and students should expect individual and class assignments to go well beyond the general level. A brief review of classical and early modern World history gives way to coverage of the Enlightenment period forward to the modern world and will be addressed using the areas of history, geography, economics, government, people in societies, citizenship responsibility, and social studies skills and methods. Summer reading is required for this course, with the assignment due on the 1st day of school. A fee is required for materials. The application form in Appendix B must be submitted with the forecasting sheet.

Advanced Placement United States History (APUSH)

Course Number: 2200

Full year

10th grade

1 Credit

Prerequisite: TBD

APUSH is college-level in nature, scope and intensity of instruction and textual materials, and is intended for students desiring a greater intellectual challenge in the study of US History. The course is designed to prepare the student for the College Board examination (the instrument most colleges utilize in determining and recognizing a student's success for purposes of advanced credit) which the student is required to take in May of the school year. Areas of study include the survey of US history from its colonial beginnings to the current period with emphasis on important periods of development and the examination of various prominent themes. Because of the intensive, in-depth reading and writing demands of this course, letter grades are weighted. Students entering this class must be highly motivated, exhibit an enthusiasm for extensive and varied study of American history, and possess an interest in exchanging ideas and challenging assumptions that appear in primary and secondary sources. Summer work is required for this course: the assignment will be given prior to the end of the school year and collected the first day of class.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

Advanced Placement

European History

Course Number: 2300 Full Year

Prerequisite: World History/US History

11th, 12th grade

1 Credit

AP Modern European History is college level in nature, scope and intensity of instruction, textual materials, etc., and is intended for superior students who desire a greater intellectual challenge in the study of European history. It ultimately prepares the student for the College Board examinations, the instrument most colleges utilize in determining and recognizing a student's success for purposes of advanced credit. Areas of study include the survey of European history from 1450 to current with emphasis on important periods of development and the examination of various prominent themes. Students enrolling in AP classes may take the AP Exam, for which the College Board charges a fee. Summer reading is required for this course, with the assignment due on the 1st day of school. A fee is required for materials.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

Advanced Placement Government and Politics
Course Number: 2400 **Full year**
Prerequisite: World and US History (B average)

12th grade
1 Credit

AP Government and Politics is college-level in nature, scope and intensity of instruction and textual materials, and is intended for students desiring a greater intellectual challenge in the study of both American and Comparative government and politics. The course is designed to prepare the student for the College Board examinations (the instrument most colleges utilize in determining and recognizing a student's success for purposes of advanced credit) which the student is required to take in May of the school year (US Government exam is required, the Comparative Government exam is optional). Areas of study include American constitutional foundations, political philosophy, federalism, civil rights and civil liberties, branches of government, and the policy making process with emphasis on important periods of development and the examination of various prominent themes. The study of Comparative government includes a thematic approach to the study of six nations (Great Britain, Russia, China, Iran, Mexico and Nigeria). Because of the intensive, in-depth reading and writing demands of this course, letter grades are weighted. Students entering this class must be highly motivated, exhibit an enthusiasm for extensive and varied study of the political process, and possess an interest in exchanging ideas and challenging assumptions that appear in primary and secondary sources. Summer work is required for this course: the assignment will be given prior to the end of the school year and collected the first day of class. If students do not take the AP Government test, they are required to take the Government End of Course exam.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

ELECTIVE COURSES

Electives are offered in the Social Studies Program to provide both enrichment and extension into areas of personal interest and future professional responsibility. These courses do NOT fulfill the Social Studies graduation requirements, but they DO count as electives toward graduation.

Human Relations
Course Number: 2250 **Semester**

11th – 12th grade
.50 Credit

Human Relations provides an atmosphere conducive to the exploration of personal values, attitudes and behaviors, with the encouragement of self-understanding and self-awareness. A basic objective of the course is to reveal the basis and cause of personal prejudice and to support individuals in the process of growth and development. Methods employed in Human Relations include a multimedia approach with greatest emphasis on the full length feature film, the development of a democratic atmosphere in the classroom, the employment of group development techniques to provide support for individual members of the groups, a completely inductive approach to learning, and the open exchange of views, attitudes and opinions

Global Impact**Course Number: 2205****Full year****11th grade****1 Credit****Prerequisite: World and US History (C+ average)**

Global Impact will acquaint students with the world beyond the West. Focus is on the development of various indigenous cultural traditions in Asia, Africa, South America and Australia. The broad range of content for this course creates the opportunity for interdisciplinary study. Thus, students will become familiar with concepts from physical geography, cultural geography and anthropology. The knowledge and skills developed in this course will enable a more comprehensive approach to the grade 12 study of government and society.

African American History I and II**Course Numbers: 2520/2521****Semester each****11th grade****.50 Credit each****Prerequisite: World and US History (C+ average)**

African American History I and II are two courses covering the history of African Americans. African American History I covers the period of Reconstruction to the Civil Rights Movement (1865-1950) while African American History II covers the period from the Civil Rights Movement to the present day (1950-current). Both courses will examine socio-political patterns, including education and immigration, and struggles as well as triumphs. Students will analyze African American roles in the military, in government, and in the economy. African American contributions to literature and the arts will be included as both courses require the reading of a number of primary and secondary (some as lengthy as a novel) sources from leading African Americans in the 19th or 20th century. A research paper is also a major portion of the grade for each of these courses.

Psychology**Course Number: 2350****Semester****11th – 12th grade****.50 Credit****Prerequisite: World and US History (C+ average)**

This course introduces students to the social science of psychology. It offers the student the opportunity to study the mind, behavior, mental health, and human personality development. Areas of study include scientific methods, brain and nervous system, perception, learning, child/adolescent/adult psychology, and memory and intelligence. By the end of the course, students better understand the complex factors that help make people who they are.

Topical Issues**Course number: 2430****Semester****12th grade****.50 Credit each****Prerequisite: World and US History (C+ average)**

Each semester of Topical Issues is designed as two (2) nine-week seminars on topics of interest and relevance to today's young adults. Examples include Heroic Leadership, History and the Movies, Politics and the Olympics. Student research is a major component of this course

Advanced Placement Psychology**Course Number: 2355****Full year****12th grade****1 Credit****Prerequisite: Psychology**

AP Psychology is college-level in nature, scope and intensity of instruction and textual materials, and is intended for students desiring a greater intellectual challenge in the study of psychology. The course is designed to prepare the student for the College Board examination (the instrument most colleges utilize in determining and recognizing a student's success for purposes of advanced credit) which the student is required to take in May of the school year. This course will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology; they will also learn about the ethics and methods psychologists use in their science and practice. Because of the intensive, in-depth reading and writing demands of this course, letter grades are weighted. Students entering this class must be highly motivated, exhibit an enthusiasm for extensive and varied study of history, and possess an interest in exchanging ideas and challenging assumptions that appear in primary and secondary sources. Summer work is required for this course: the assignment will be given prior to the end of the school year and collected the first day of class.

Students enrolled in Advanced Placement course(s) are REQUIRED to take the Advanced Placement Exam.

WORLD LANGUAGES

COURSE NUMBER	COURSE	PREREQUISITIE	GRADE LEVEL	LENGTH OF COURSE	CREDIT
5100	French I	None	9-10-11-12	Full Year	1
5105	French II	French I	9-10-11-12	Full Year	1
5200	French III	French II	10-11-12	Full Year	1
5300	French IV	French III	11-12	Full Year	1
5400	French V (Honors)	French IV	12	Full Year	1
5120	Spanish I	None	9-10-11-12	Full Year	1
5125	Spanish II	Spanish I	9-10-11-12	Full Year	1
5210	Spanish III	Spanish II	10-11-12	Full Year	1
5310	Spanish IV	Spanish III	11-12	Full Year	1
5410	Spanish V (Honors)	Spanish IV	12	Full Year	1
5140	Amer. Sign Language (ASL I)	None	9-10-11-12	Full Year	1
5240	Amer. Sign Language II (ASL II)	American Sign Language I	2016-2017	Full Year	1

Successful studies of world languages can lead to varied career opportunities especially in business fields. It is suggested that a student entering foreign language study be doing satisfactory work in English. All world languages courses are recommended for college-bound student.

French I

9th, 10th, 11th, 12th grade

Course Number: 5100 Full Year

1 Credit

This course is an introduction to the basic structures of French. Lessons are designed to enable the student to learn the language while also learning about the cultures of those who are from French-speaking countries. An-going study of French pronunciation is apparent throughout the course as the student learns vocabulary focused on practical, thematic content. The present tense in regular, irregular and command forms is taught and will serve as a foundation for the learning of more verb tenses in higher-level courses. Many students find that the subject matter here helps them to understand the mechanics own language.

French II

9th, 10th, 11th, 12th grade

Course Number: 5105 Full Year

1 Credit

Prerequisite: French 1

French II emphasizes an improved competence in the four language skills: listening, speaking, reading and writing. Likewise, an appreciation for French culture and influence is cultivated through the study of the French-speaking countries of the world while developing communicative skills. Pronunciation, reading and vocabulary expansion are stressed at this level, and the student is encouraged to make connections between his or her own personal experiences and the content of the course.

French III**10th, 11th, 12th grade****Course Number: 5200 Full Year****1 Credit****Prerequisite: French II**

This course is designed to review the basic French grammar elements, to improve the student's skills in using the grammar, and develop conversational and reading abilities in French. The student continues to study French culture and civilization with special emphasis on making connections between the similarities and differences of the French-speaking world when compared to our local and national identities. Reading comprehension, self-expression, and cultural appreciation are reinforced through references to contemporary works of art and literature as well as journalism.

French IV**11th, 12th grade****Course Number: 5300 Full Year****1 Credit****Prerequisite: French III**

In the fourth year, the student works toward refining his or her communication skills to an advanced level. High expectations are maintained as grammatical structures are reviewed and practiced in order to improve listening and speaking skills; other elements of the language and culture are also studied. The student reads works of French literature and poetry throughout the Francophone world with the motive of improving reading and writing skills, as well as developing a better understanding of foreign cultures.

French V (Honors)**12th grade****Course Number: 5400 Full Year****1 Credit****Prerequisite: French IV*******Pending Enrollment*****

Honors French V provides intensive practice of the skills needed to understand authentic written, audio, and video sources in order to deepen the student's understanding of other peoples and cultures. In addition to grammatical and literary studies, there is also an emphasis on the historical, political, and social movements of the contemporary Francophone world. A high degree of oral fluency and composition ability is desired so that the student can communicate on the level of educated French speakers and be understood by any heritage speaker of French.

Spanish I**9th, 10th, 11th, 12th grade****Course Number: 5120 Full Year****1 Credit**

This course is an introduction to the basic structures of Spanish. Lessons are designed to enable the student to learn the language while also learning about the cultures of those who are from Spanish-speaking countries. An on-going study of Spanish pronunciation is apparent throughout the course as the student learns vocabulary focused on practical, thematic content. The present tense in regular, irregular, and command forms is taught and will serve as a foundation for the learning of more verb tenses in higher-level courses. An introduction to the preterit tense occurs in the second semester. Many students find that the subject matter here helps them to understand the mechanics of their own language.

Spanish II**Course Number: 5125 Full Year****9th, 10th, 11th, 12th grade****1 Credit****Prerequisite: Spanish I**

Spanish II emphasizes an improved competence in the four language skills; listening, speaking, reading, and writing. Likewise, an appreciation for Hispanic culture and influence is cultivated through the study of the Spanish-speaking countries of the world while developing communicative skills. Pronunciation, reading, and vocabulary expansion are stressed at this level, and the student is encouraged to make connections between his or her own personal experiences and the content of this course.

Spanish III**Course Number: 5210 Full Year****10th, 11th, 12th grade****1 Credit****Prerequisite: Spanish II**

This course is designed to review the basic Spanish grammar elements, to improve the student's skill in using the grammar, and develop conversational and reading abilities in Spanish. The student continues to study Hispanic culture and civilization with special emphasis on making connections between the similarities and differences of the Spanish-speaking world when compared to our local and national identities. Reading comprehension, self-expression, and cultural appreciation are reinforced through references to contemporary works of art and literature as well as journalism.

Spanish IV**Course Number: 5310 Full Year****11th, 12th grade****1 Credit****Prerequisite: Spanish III**

In the fourth year, the student works toward refining his or her communication skills to an advanced level. High expectations are maintained as grammatical structures are reviewed and practiced in order to improve listening and speaking skills; other elements of the language and culture are also studied. The student reads works of Peninsular and Hispano-American literature and poetry with the motive of improving reading and writing skills, as well as developing a better understanding of foreign cultures. Authors studied include Unamuno, Lorca, Borges, and Cela.

Spanish V (Honors)**Course Number: 5410 Full Year****12th grade****1 Credit****Prerequisite: Spanish IV*******Pending Enrollment*****

Honors Spanish V provides intensive practice of all the skills needed to understand authentic written, audio and video sources in order to deepen the student's understanding of other peoples and cultures. In addition to grammatical and literary studies, there is also an emphasis on the historical, political, and social movements of the contemporary Hispanic world. A high degree of oral fluency and composition ability is desired so that the student can communicate on the level of educated Spanish speakers and be understood by an heritage speaker of Spanish.

American Sign Language (ASL I) Dual Credit course	9th, 10th, 11th, 12th grade
Course Number 5140	1 Credit

During this beginning course, student will learn first year skills for communicating with sign (letters, colors, numbers, basic communication sentences), and will gain a knowledge of common language skills to communicate with the deaf community. This course is designed to be delivered over video conferencing and is supplemented by daily taped recordings of each class period which archive the instructional process. Additional online components will be associated with this course each week. Your instructor will require you to complete and post assignments via the internet. Workbook fee (TBD)

American Sign Language (ASL I) Dual Credit course	Offered in 2016-2017
Course Number 5240	1 Credit

Prerequisite: ASL I

Continuation of ASL I. It is a further study and application of sign language. This course develops a deeper knowledge of ASL grammar and the Deaf culture. Students will demonstrate an understanding of their own cultures as compared to that studied and recognize distinctive viewpoints from both cultures. Student will provide cultural instruction and/or entertainment within and outside of the school district. NOTE: Students will be expected to attend at least one approved scheduled event for observation of sign language in use outside of school hours and report back to the class in both written and signed formats. Daily live instruction via video conferencing supplemented by daily taped recordings of each class period which archive the instructional process. Workbook/textbook fee TBD