

The seal of North Olmsted High School is a large, faint watermark in the background. It features a central shield with a bald eagle perched on a globe. The shield is flanked by two vertical banners. The top banner contains the word "EXCELLENCE", the right banner "CITIZENSHIP", and the bottom banner "SCHOLARSHIP". The left banner contains the word "PARTNERSHIP".

NORTH OLMSTED HIGH SCHOOL

A Nationally Recognized School of Excellence

2012-2013 Course Selection Guide

Grades 9 – 12

CONTENTS

This booklet includes the following: course number, course title, course length (semester or year), credits earned upon successful completion, prerequisites and recommendations needed for each course.

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SELECT YOUR COURSES CAREFULLY!

North Olmsted City Schools offers equal employment and educational opportunities to all qualified individuals regardless of sex, race, color, religion, national origin, age, disability, or protected class status.



NORTH OLMSTED HIGH SCHOOL

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January 2012

Dear Student:

Enclosed is the 2012/2013 North Olmsted High School Course Selection Guide. The Course Selection Guide is one of the most important documents in our school, as it lists and gives descriptions to all the courses offered at North Olmsted High School. Please make certain to read and understand the descriptions and requirements for all the courses before selecting a schedule. Discussion with parents, teachers, guidance counselors and administration will help make the correct decisions for a schedule. Make certain to choose the courses that will be challenging and provide the best opportunity for success in progressing toward graduation and beyond.

Please take the appropriate time to review the information in the Course Selection Guide. The decisions to be made in regards to class schedules are ones that have long-term impact. Much of the success and enjoyment of school will be based on the courses selected, so choose wisely.

Before the course selections are final, all pre-requisite conditions for the courses must be met. Once courses are selected, students will meet with a counselor to review the proposed schedule. Parents, if there are any questions, please contact the counselors, who will be glad to assist. A confirmation of the schedule will be given in May of 2012. For students interested in taking advanced placement and/or honors courses, the appropriate application must be completed prior to enrollment in these classes.

Schedule changes are generally not permitted once this process is completed, unless there are special circumstances that require individual attention. Please refer to the description of the Schedule Change and Class Drop Policy that is in this guide.

If I can be of any assistance in the course selection and scheduling process please do not hesitate to contact me. Scheduling is an exciting part of high school, and proper planning and knowledge help create success for all of us.

Sincerely,

Jeffrey M. Stanton
Principal

Please note the administrative procedure honoring credits for outside courses offered at North Olmsted High School is included in this booklet.

North Olmsted High School Guidance Section

Counselors by Student Assignment
(subject to change)

Pat Maly	A-Di
Kristy LaBella	Do-Ka
Wendy Kormos/ Tricia Calloway	Ke-M
Joanne Grady	N-Sh
Margie McMullen	Si-Z

Graduation Requirements

To graduate from North Olmsted High School, a student must earn 21 total credits including these required courses:

English	4 credits
Math	3 credits (class of 2013)
Math	4 credits (class of 2014, 2015, & 2016)
Science (must include 1 Life Science & 1 Physical Science)	3 credits
Social Studies (must include 1 Government & U.S. History)	4 credits
Health	.50 credit
Physical Education	.50 credit

One credit of the 21 must include:
Business/Technology, Fine Arts, or Foreign Language.

Ohio Board of Regents Recommended Minimum Core College Prep Curriculum

This is a recommended curriculum for college preparation. Some colleges require more or less than this curriculum. It is best to prepare along these guidelines in the advanced courses of all classes if possible. Check colleges for specific preparation suggestions.

English	4 units
Math (Algebra I & beyond)	3 units
Science	3 units
Social Studies	3 units
Foreign Language	2 units
Fine & Performing Arts	1 unit

It is still possible to attend college if some of these areas are not attained.

Effective with the graduating class of 2014, all students must complete the Ohio Core curriculum to earn their high school diploma. Students graduating from high school before 2014 will be evaluated by college admissions officers based on the requirements in place at the time of their graduation. Students who haven't met the Ohio Core standards may still be admitted to college on a conditional basis.

The Ohio Core curriculum includes:

- 4 years of math, including Algebra II or its equivalent
- 3 years of lab-based science, including physical science and biology, and one year selected from chemistry, physics or advanced biology, engineering science or biomedical science
- 4 years of English
- 3 years of social studies, including American History and American Government
- 1/2 unit of health
- 1/2 unit of physical education combination of 5 units to be chosen from among foreign language, fine arts, business, technology and Career Technical

Arts Credit for College

Some colleges recommend that students best prepare for college by including at least 1.00 credit of the fine and performing arts in their high school curriculum. While all courses in the art and music departments satisfy this recommendation, only selected courses in other departments can be used. The state universities in Ohio have addressed which courses satisfy their recommendations. To help a student determine if a particular course can be used, there is a guide sheet under the honors diploma section, or the individual college can be contacted.

Ohio Graduation Tests (OGT)

To receive a diploma from an Ohio public high school, students graduating in 2012 must have passed the Ohio Graduation Tests. The student must pass all five tests (Writing, Reading, Mathematics, Social Studies and Science) to be eligible for a diploma.

Alternative Way to Meet the OGT Testing Requirements

A student may meet the testing requirements for passing all five Ohio Graduation Tests if he/she meets ALL of the following criteria:

- Passes 4 of the five tests and has missed passing the 5th test by no more than 10 points;
- Has a 97% attendance rate, excluding any excused absences, through all four years of high school and must not have had an expulsion in high school;
- Has at least a grade point average of 2.5 out of 4.0 in the courses of the subject area not yet passed;
- Has completed the high school curriculum requirement;
- Has participated in any of the intervention programs offered by the school and must have had a 97% attendance rate in any of the programs offered outside the normal school day; and
- Has letters recommending graduation from the high school principal and from each high school teacher in the subject area not yet passed.

Source: Ohio Department of Education, Office of Assessment, January 2004

Academic Credit

Credit is awarded upon the satisfactory completion of the course. Credit for all courses is awarded at the end of the first semester and second semester. Partial credit is not awarded. To receive academic credit, students must pass two out of the three grading opportunities in a semester. (The grading opportunities for a semester are the two quarter grades and end of semester exam.)

Class Load – Minimum

Students are required to maintain a minimum course load of 5.25 credits each year. Most students carry six or seven classes. Seniors may carry 5.0 if they have 17 credits by the end of their junior year.

Schedule Changes and Impact on Grading

Students may not add a course to their schedule after the completion of the 7th day of school in a semester. This does not apply to course level changes that can occur throughout the year with approval of a student's counselor, teacher, department chair, and administrator. The grade(s) earned-to-date of change follows the student as "grade-in-progress" to the new course. After adding a class, the student is responsible for the work assigned prior to his/her joining the class.

For class dropping procedure, see Schedule Changes and Class Drop Policy included in this guide.

(GPA)

The grade point average, calculated at the end of each quarter, serves as a progress report. The grade point

average, which becomes a part of the cumulative record, is calculated on the final grades earned at the end of each semester.

Class Rank

Class rank is determined at the conclusion of each academic semester. Class rank is based on the student's cumulative grade point average and is recorded on the student's transcript of grades.

Auditing Courses

Auditing is limited to elective courses and courses which are not pre-requisites for other courses pending available space. **This request must be made within the first four weeks of the course.** A student who audits a course must attend all classes, complete all class work, and abide by all classroom policies. The student will not receive a grade on his/her report card nor earn credit. The grade for an audit course will be recorded A/U on the student's transcript and not affect the student's GPA. Auditing is a privilege, and cannot be used exclusively to protect GPA. If a student does not adhere to the provisions of this agreement, he/she will be removed from the course.

Audited courses do not figure into athletic eligibility.

Repeating Courses

Students may request to repeat courses in order to improve their comprehension of course material. If the original grade was a passing grade, the highest grade will become the grade of record for the course and the original grade and credit will be removed from the transcript. If the original grade was a failing grade, that failing grade and the new grade will remain on the transcript, and will affect the student's grade point average. Students must notify their guidance counselor if they wish to repeat a course in which the original grade was passing.

Educational Options (Night school, summer school, correspondence and virtual classes)

Students with written consent of their counselor and administrator may utilize approved educational options such as summer school, night school, correspondence courses, and virtual learning courses to earn credit toward graduation. Students are advised to confer with their counselor concerning educational options and requirements. Only students, who are on track to graduate by June of the current school year and have guidance and administrative permission, may take correspondence courses, and virtual classes. Students will receive a pass/fail grade for these courses. All students may take summer school or night school to make up classes they have failed. Students will receive a letter for night school & summer school. Information about any area schools will be available in the

Guidance Office and on-line. Grades earned in summer school are included in GPA calculations; however, summer school course work cannot be used to recover athletic eligibility.

Credit Flexibility

All public school districts in the state of Ohio are required to offer alternative means to earn a high school diploma through a program called Credit Flexibility. Students and parents interested in more information on the Credit Flexibility Option should contact Mr. Stanton and the appropriate Guidance Counselor.

Post Secondary Education Options Program (PSEOP)

The Post Secondary Education Options Program (PSEOP) provides students with the opportunity to take classes at colleges while attending high school and earn both high school and college credits. Students who qualify may take the courses at college at no cost other than transportation. The purpose of the program is to allow rigorous academic pursuits and to provide a wider variety of options to high school students. A mandatory informational meeting will be held in February. Letter of intent for this program must be completed by March 30 for the following school year and is open to 9th through 12th grade students. No exceptions to the March deadline can be made. (Please be aware that the deadline falls over Spring break.)

College coursework does not carry a weighted grade. This may have an impact on student GPA. Although in most cases the college courses do not require

tuition, the student may be billed for any course that he or she fails or withdraws.

Please note: North Olmsted High School cannot change student schedules as a result of scheduling difficulty at PSEOP locations.

Ohio Award of Merit

At graduation, students who complete the following criteria receive the Ohio Award of Merit:

1. GPA of 3.25 after 7 semesters or 3.5 for grades 11 & 12 or top 25% of class
2. 4 English credits
3. 3 Math (Algebra & Geometry)
4. 3 Science (Must be 2 credits among Biology, Chemistry & Physics)
5. 3 Foreign Language (or 2 units of 2 foreign languages)
6. 3 Social Studies (Must be 2 histories & .50 Govt.)
7. 2 Visual/Performing Art or Business or Computer Science or 2 more from 2 thru 6
8. Above average attendance for grades 9-10
9. Participate in extra-curriculars in or out of school
10. Outstanding character/citizenship

Presidential Award of Academic Excellence

The criteria for this award are that students must have a 3.5 or better GPA and an ACT score of 24, 1010 SAT, or 1815 New SAT.

Honors Diploma

At graduation students who complete 7 of the 8 criteria listed here earn an Honors Diploma:

3.5 G.P.A. on a 4.0 scale after 7 semesters,

4 English credits,

4 Math credits including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content taken at NOMS or NOHS,

3 Foreign Language credits in the same language or two credits in each of two languages,

4 Science credits including physics and chemistry,

4 credits of Social Studies

1 Fine and Performing Arts credit,

27 A.C.T. or **1210 SAT (Critical Reading and Math only).**

The following courses can be used to satisfy the Arts credit for the Honors Diploma:

Art 1, 2, 3 and 4	Drawing & Painting	Concert Band
Black/White Photography	Sculpture & Applied Art Concepts	Eaglets (Fall)
Art Montage	Dramatic Reading I	Interior Design
AP Studio Art	Dramatic Reading II	Interior Decorating
Honors Art History	Intro to Communication	Orchestra
AP Music Theory	Concert Choir	A Cappella Choir
	Special Edition	Music Theory & Composition

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including: ½ unit physical education; ½ unit health; ½ unit in American history; ½ unit in government

Athletic Sports Eligibility

North Olmsted Student/Athletes must meet OHSAA and local North Olmsted school district Board policies in order to be eligible for athletics.

In accordance with the OHSAA, to be eligible, a student/athlete must be currently enrolled in school and have received passing grades in a minimum of 5 one-credit courses, or the equivalent, in the immediately preceding grading period. **Freshman in the 1st grading period must have passed a minimum of five courses of all subjects taken in the preceding grading period.**

The North Olmsted Board of Education recognizes the positive values associated with and gains as a result of participation in interscholastic extracurricular activities in grades 7 – 12. Furthermore the Board of Education understands the importance of participating in interscholastic and extra curricular activities. It believes that these activities enhance success both in and out of the classroom. Therefore, the North Olmsted Board of Education has established minimum grade point average expectations as a part of this policy in order for a student to participate in interscholastic athletics. In order to be eligible in grades 9 – 12, a student must be currently enrolled and must have met the minimum grade point average as indicated below. These standards must be met, as well as the standards of the OHSAA in order for a student to be eligible for interscholastic athletics.

Grade and GPA		
9th Grade	Grade Point Average	1.25
10th Grade	Grade Point Average	1.50
11th Grade	Grade Point Average	1.75
12th Grade	Grade Point Average	2.00

OHSAA – Senior High School – Summary

Age Limitation:

If a student enrolled in high school attains the age of 19 before August 1st of a given year, the student shall be ineligible to participate in the interscholastic athletic program.

Physical Examinations:

A student must have passed a current year physical exam. Record must be on file in the Athletic Office.

Grade Point Average:

In order to be eligible in grades nine through twelve, a student must be currently enrolled and must have been enrolled in school the immediately preceding grading period. 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 (OHSAA 4-4-1).

Residence:

The districts for all public schools are established by the State Board of Education and defined for athletic purposes. In addition, school districts with multiple high schools may establish attendance zones within those districts. In determining one's residence for purposes of these bylaws, the following criteria shall apply: (a) where the parents and family members sleep the majority of the time, (b) where the mail is received, (c) where the meals are prepared and eaten, (d) where the parents are registered to vote, and (e) where important family activities take place during significant parts of each day. Note: It shall not be considered a "bona fide" change of residence as prescribed in Bylaw 4-7-2, Exception 1, or Bylaw 4-7-4 (1) if the parents of a transfer student vacate the residence prior to one year from the date that the student's transfer is approved, and the student remains in the school into which the transfer was approved.

NCAA ELIGIBILITY CENTER QUICK REFERENCE SHEET



Core Courses

- **NCAA Division I requires 16 core courses.** See the chart below for the breakdown of this 16 core-course requirement.
- **NCAA Division II currently requires 14 core courses.** Division II will require 16 core courses for students enrolling on or after August 1, 2013. See the breakdown of core-course requirements below.

Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages. The sliding scale for those requirements is shown on page two of this sheet.
- **Division II** requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

Grade-Point Average

- **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website (www.eligibilitycenter.org). Use the list as a guide.
- Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core grade-point average. Use the list as a guide.
- **Division I** core grade-point-average requirements are listed on the sliding scale on Page No. 2 of this sheet.
- **The Division II** core grade-point-average requirement is a minimum of 2.000.
- Remember, the NCAA grade-point average is calculated using NCAA core courses only.

DIVISION I 16 Core Courses

- 4 years of English.
- 3 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II 14 Core Courses

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 2 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 3 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

DIVISION II 16 Core Courses (2013 and After)

- 3 years of English.
- 2 years of mathematics (Algebra I or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 3 years of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or comparative religion/philosophy).

**NCAA DIVISION I SLIDING SCALE
CORE GRADE-POINT AVERAGE/
TEST-SCORE**

Core GPA	SAT <small>Verbal and Math ONLY</small>	ACT
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

How Should the Eligibility Process Work?

Grades 9 and 10

- Student takes academic college-preparatory courses, preferably one in each of the following areas: English, math, science, social studies and foreign language. The student should compare course selection against the list of NCAA-approved core courses.

Grade 11

- Student continues to take college preparatory courses in the areas listed above.
- Student registers for the SAT and/or ACT, making sure to use code 9999 at the time of registration. Using code 9999 will ensure the score is reported directly to the Eligibility Center.
- Student registers with the NCAA Eligibility Center and completes both the academic information and the amateurism questionnaire.
- At the end of the student's sixth semester, the guidance counselor sends the student's transcript (or transcripts, if more than one high school) to the Eligibility Center.

Grade 12

- Student continues to take college preparatory courses in English, math, science, social studies and foreign language.
- Student registers for additional ACT/SAT tests if necessary, making sure to use code 9999 at the time of registration.
- On or after April 1 of the senior year, the student goes back into their Eligibility Center account to update their academic and amateurism information and request final amateurism certification.
- After graduation, the guidance counselor sends the student's final transcript (which needs to include evidence and the date that the student graduated) to the Eligibility Center

Approved core-course list

Students should verify the classes they are taking to ensure they are on the approved core-course list. If a student has a question, they should contact their guidance counselor and the NCAA Eligibility Center.

NCAA LIST OF APPROVED CORE COURSES

ENGLISH	SOCIAL STUDIES	MATH	SCIENCE	ADDITIONAL CORE
*English 9 *Hon English 9 *English 10 *Hon English 10 *English 11 *Hon English 11 *English 12 *Hon English 12 *AP English 12 *Intro to Communications	*World History *Hon World History *US History *Hon US History *AP US History *Govt & Economics *Hon Govt & Economics *Psychology *Hon Psychology *Sociology *Law & Litigation *Contemporary Issues *AP Euro History *History & Politics of Community	*Algebra 1 *Geometry *Hon Geometry *Algebra 2 *Hon Algebra 2 *Algebra/Trig *Transition to College Math *Hon Math Analysis *Hon Calculus *AP Calculus AB *AP Calculus BC *AP Statistics	*Integrated Science *Hon Integrated Science *Biology *Hon Biology *AP Biology *Chemistry *Hon Chemistry *AP Chemistry *Conceptual Physics *Hon Physics *AP Physics B *AP Physics C *Environmental Science	*French 1 *Hon French 1 *French 2 *Hon French 2 *French 3 *Hon French 3 *French 4 *Hon French 4 *French 5 *Hon French 5 *AP French 5 *Spanish 1 *Hon Spanish 1 *Spanish 2 *Hon Spanish 2 *Spanish 3 *Hon Spanish 3 *Spanish 4 *Hon Spanish 4 *Spanish 5 *Hon Spanish 5 *AP Spanish 5 *German 1, 2, 3, 4, 5 *Hon German 1, 2, 3, 4, 5 *Chinese 1 & 2 *Honors Chinese 2 *Great Rel & Ethics *Honors Great Rel & Ethics

NCAA LIST OF NON-APPROVED COURSES

- | | |
|-----------------------------|----------------------------|
| Fundamental Mathematics 1 | MS Visual Basic 1 |
| Pre-Algebra | MS Visual Basic 2 |
| Algebra 1 Concepts | Community/Service Learning |
| Algebra 2 Concepts | Music Theory |
| Geometry Concepts | Music Theory/Composition |
| Social Studies Intervention | Studio Art |
| Art History | |
| Computer Science | |

Important Changes Regarding Nontraditional Courses

The rules regarding software-based credit recovery, virtual, online, independent study and correspondence courses have changed. These types of courses, which are identified by the NCAA Eligibility Center as nontraditional courses, must meet new guidelines in order to be used for college-bound student-athletes who are planning to attend an NCAA Division I or II college or university.

The rule change was enacted to ensure that acceptable nontraditional courses provide opportunities for students to demonstrate their work was completed in a manner consistent with the intent and design of the core-course curriculum requirements. This legislation will allow the NCAA Eligibility Center to determine which courses and institutions are acceptable to satisfy initial-eligibility standards with the ultimate goal of ensuring that prospective student-athletes are enrolled in quality courses that satisfy the intent of the core-curriculum requirements and prepare prospective student-athlete for four-year college academic work.

What Are the Changes?

Nontraditional courses must meet the following:

1. Courses that are taught through distance learning, online, credit recovery, etc. need to be comparable in length, content and rigor to courses taught in a traditional classroom setting. Students may not skip lessons or test out of modules. The course must be four-year college preparatory.
2. All courses must include ongoing access between the instructor and student, as well as regular interaction for purposes of teaching, evaluating and providing assistance. This may include, for example, exchanging of e-mails between the student and teacher, feedback on assignments, and the opportunity for the teacher to engage the student in individual instruction.
3. Any course taken must have a defined time period for completion. For example, it should be clear whether the course is meant to be taken for an entire semester or during a more condensed time frame, such as six weeks, etc.
4. Nontraditional courses should be clearly identified as such on the high school transcript.

When Does this Rule Take Effect?

Division I

The rule applies to courses completed on or after August 1, 2010, for students first entering an NCAA Division I college or university on or after August 1, 2010. Nontraditional courses completed prior to August 1, 2010, will be reviewed on a case-by-case basis.

Division II

The rule applies for students first entering an NCAA Division II college or university on or after August 1, 2011, regardless of when the nontraditional course was completed.

The text of the new rule appears below.

14.3.1.2.2 Nontraditional Courses.

Courses taught via the Internet, distance learning, independent study, individualized instruction, correspondence, and courses taught by similar means may be used to satisfy NCAA core-course requirements if all of the following conditions are satisfied:

- (a) The course meets all requirements for a core course as defined in Bylaw 14.3.1.2;
- (b) The instructor and the student have ongoing access to one another for purposes of teaching, evaluating and providing assistance to the student throughout the duration of the course;
- (c) The instructor and the student have regular interaction with one another for purposes of teaching, evaluating and providing assistance to the student throughout the duration of the course;
- (d) The student's work (e.g., exams, papers, assignments) is available for evaluation and validation;
- (e) Evaluation of the student's work is conducted by the appropriate academic authorities in accordance with the high school's established academic policies;
- (f) The course includes a defined time period for completion; and
- (g) The course is acceptable for any student and is placed on the high school transcript.

ADMINISTRATIVE PROCEDURE HONORING CREDITS, OUTSIDE COURSES OFFERED AT NORTH OLMSTED HIGH SCHOOL

The options, process, and criteria to attain credits for graduation outside the regular school day are as follows:

1. For a required or elective course offered at North Olmsted High School that was attempted and failed:
 - a. Student may enroll in virtual learning classes to take courses which meet Ohio Academic Content Standards for the subject area. This credit option is completed “on-Line” requiring computer contact with an assigned teacher for evaluating student work. (Student/Family is responsible for the cost of the program). See your guidance counselor for registration and completion guidelines.
Classes may also be made-up through correspondence. This credit option is for seniors only. (Student/Family is responsible for the cost of the program). See your guidance counselor for registration and completion guidelines.
 - b. Student may enroll in Evening School at Polaris Career Center or other accredited evening school for high school credit. (Student/Family responsible for cost of program)
 - c. Student may enroll in Summer School offered at area high schools for high school credit. (Student/Family is responsible for the cost of the program)

2. To qualify and successfully enroll in **Post Secondary Options Program**
 - a. Student and Parent must attend information meeting in February of the year prior to attempting enrollment in Post Secondary Option Program.
 - b. Must notify school of intent to enroll in Post Secondary Options Program by March 30 of the year prior to attempting enrollment.
 - c. Meet all other requirements of Post Secondary Options Program as specified in program guidelines.

3. High School Credit through Educational Options as addressed in North Olmsted Board of Education Policy (4017) may also qualify.**** (Student/Family responsible for cost of program)

For the approval of any of the above options OR any exceptions, Principal, Jeffrey M. Stanton’s signature is required in advance of registration.

******Correspondence schools that do not meet the Ohio Academic Content Standards Specifications will not be approved as an educational option for attaining high school credit at North Olmsted High School**

Schedule Changes and Class Drop Policy

Students are required to take a minimum number of academic credits each school year, as defined in the Course Selection Guide. The student course load includes both required and elective courses, and can include classes at North Olmsted High School, Polaris Career Center, or other educational options such as Post Secondary Education. Students schedule their classes with the support of teachers, counselors, administrators, and parents during the registration period. Much time is taken to make certain the decisions made during the registration period are in the best academic interest of the student. Students are urged to choose their class schedule carefully and thoughtfully, and to seek assistance as needed.

Students are given opportunities to review and make changes in their schedules before they are submitted. The student schedule becomes official once it is entered and accepted into the Master Scheduling System. Any changes to schedules have a serious impact on class size, teaching assignments, and the overall operation of the academic program of North Olmsted High School. Students and parents should not plan a schedule with the idea it can be changed, because as a rule, it will not be changed.

Once a schedule is submitted and accepted, it can only be changed without academic consequences under the following circumstances:

- 1: Academic misplacement as determined and initiated by the teacher
- 2: A graduation requirement is needed
- 3: Failure in a prerequisite class
- 4: Study Hall is dropped to add a class
- 5: A technical error or an obvious mistake
- 6: A health issue, requiring documentation by a physician

A student who withdraws from a class for any reason not indicated above and/or not agreed upon by the NOHS Administration will receive a grade of F for the duration of the class. The grade of F will be indicated on all school transcripts, and will be calculated into the grade point average of the student. This policy applies for both first and second semester. Year-long classes cannot be dropped at the semester.

A student who wishes to drop an academic course (including Honors and Advanced Placement) must complete the appropriate form (from Guidance or the Main Office) and obtain teacher, guidance, and parent permission. Once the form is complete, it is turned into NOHS Administration for final decision. If the reason for the change is not from the approved list above, the resulting grade will be a failure for the duration of the class.

Note: Courses must have and maintain appropriate student enrollment to be offered. The North Olmsted High School Administration reserves the right to make changes to classes as a result of enrollment concerns.

Schedule Changes and Impact on Grading

Students may not add a course to their schedule after the completion of the 7th day of school in a semester. This does not apply to course level changes that can occur throughout the year with approval of a student's counselor, teacher, department chair, and administrator. The grade(s) earned-to-date of change follows the student as "grade-in-progress" to the new course. After adding a class, the student is responsible for the work assigned prior to his/her joining the class.

HONORS AND AP COURSES

(Courses described on the pages indicated)

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AP Studio Art – Page 3

BUSINESS & VOCATIONAL

Honors CAD – Page 15

ENGLISH DEPARTMENT

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FOREIGN LANGUAGE DEPARTMENT

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MATHEMATICS DEPARTMENT

Honors Geometry – Page 25

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MATHEMATICS DEPARTMENT CONT.

Honors High School Calculus– Page 27

AP Calculus (AB) – Page 27

AP Calculus (BC) – Page 27

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AP Computer Science - Page 28

SCIENCE

Honors Biology – Page 30

AP Biology – Page 30

Honors Chemistry – Page 31

AP Chemistry – Page 31

Honors Physics – Page 32

AP Physics C – Page 32

SOCIAL STUDIES

Honors World History – Page 34

Honors U.S. History – Page 35

Honors Government & Economics – Page 35

AP United States History - Page 35

AP European History – Page 36

Honors Great Religions & History of Ethics - Page 37

Honors Psychology – Page 37

S.I.T.E.S. - Page 38– limited

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Fine and Performing Arts

Art Department

<u>ART I</u> 001105	9-12	1.00	Y	None
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Art I is a yearlong introductory course that explores the elements and principles of art and design. This course emphasizes drawing and design in two and three-dimensional schemes. A variety of media and techniques will be introduced throughout the year. Media included may be pencils, pen and ink, charcoal, paints, clay and a craft (tie dye, batik, weaving, jewelry, etc.) The course includes studio production, art history, and art criticism. Art I is a prerequisite for most other visual art courses. A course fee will be required, and students may need to purchase additional materials such as a sketchbook.

<u>ART II</u> 001110	10-12	1.00	Y	Drawing & Painting Concepts plus Sculpture & Applied Art plus Sculpture & Applied Art Concepts or Art I plus Teacher Recommendation
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This year long course is designed for the student with high interest in art. The course builds on fundamental concepts and skills learned in Art I. The course stresses the fundamental techniques of drawing and painting using a variety of media and subject matter. Some of the media that may be explored include pastels, watercolors, pen and ink, clay, and fabric dyes. The elements of design will be reviewed as they are applied to projects in crafts, advertising, illustration, and sculpture. The course includes studio production, art history, and art criticism. A course fee will be required, and students may need to purchase additional materials such as a sketchbook.

<u>ART III</u> 001115	11-12	1.00	Y	ART II & Teacher Recommendation
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Art III is a yearlong continuation of Art II offering the serious art student more in-depth exploration of media and approaches to art production. Areas of study will be approached with greater complexity and new means of artistic expression. Advanced drawing, painting, design, and sculpture will be explored. Art history, criticism, and aesthetics are employed with a variety of approaches to increase the student's appreciation of the visual arts and to provide a broader base for the student's studio experiences. Students will recognize the role of the arts and their significance in today's society. Students will be responsible for a research paper in this course. A course fee will be required and a set of acrylic paints and stretcher strips will be necessary. Students will also be required to purchase a sketchbook.

<u>ART IV</u> 001120	12	1.00	Y	ART III & Teacher Recommendation
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Art IV is the final yearlong course in the art major sequence. Course work will focus on expanding the drawing and design skills developed in the preceding art courses. Students will create a portfolio of their high school work, do a one-artist exhibit of their artwork, and write an art criticism term paper. Seniors will focus on contemporary art and artists, paint, draw, create multiples in clay using the potter's wheel and /or molds, explore crafts such as enameling or jewelry making, print making, commercial art and graphic design. Various methods of evaluation will be utilized that include portfolio review, written research papers/presentations and exams. Art school representatives will be brought in to help students plan for post secondary studies. A course fee is required. Students must also provide a set of acrylic paints, stretcher strips, and a sketchbook. Portfolio preparation requires that the student will need to purchase a CD.

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
<u>DRAWING AND PAINTING CONCEPTS</u> 000001	9-12	.50	S	None
This semester-long course offers an overview of basic drawing and painting concepts. The students will study the elements of design, color theory, drawing techniques; color concepts and applications; and ways in which these concepts are applied through art appreciation and criticism as well as production. A course fee will be required, and students may need to purchase additional materials such as a sketchbook.				
<u>SCULPTURE AND APPLIED ART CONCEPTS</u> 000002	9-12	.50	S	None
Sculpture and Applied Art Concepts is a semester-long studio class that offers an introduction to basic sculpture and the applied arts. Students will explore both three-dimensional and relief sculpture as well as various “applied arts” like fibers and ceramics. The student will be introduced to art appreciation, art criticism, art history and aesthetics as well as art production in the classroom studio environment. A course fee will be required, and students may also need to purchase some additional materials.				
<u>BLACK & WHITE PHOTOGRAPHY I</u> 000003	11-12	.50	S	Two Previous Semesters of Art & Students Must Provide 35 mm Non-Auto Camera & Teacher Recommendation
This course offers basic introduction in the use of the traditional 35mm film camera and darkroom procedures, as well as the historical development and current artistic concepts of photography as an art form. Students will explore the fundamental aspects of taking black and white pictures, utilizing different speed films, calculating and controlling exposures, developing film, and printing and enlarging photographs. Students will be required to provide their own non-automatic 35mm film camera (not point-and-shoot or digital cameras). A course fee will be required and must be paid by the end of the first week of the quarter. This course fee is \$100 for consumable materials and supplies. Students will be required to take photographs outside of the regular classroom time.				
<u>BLACK & WHITE PHOTOGRAPHY II</u> 000004	11-12	.50	S	Black & White Photo. I, 35 MM non-auto camera, and Teacher Recommendation
This course builds on the methods and techniques learned in the first black and white course, offering a more in-depth look at both camera and darkroom techniques. Students will explore lighting, filters, flash, and tripods with the camera, and a variety of advanced darkroom techniques, such as; infrared film, sepia toning, Sabattier and more. In addition to the camera and darkroom procedural instruction, this course will also delve further into historical developments and current artistic concepts of photography as an art form. Students will also explore aspects of digital photography and photo manipulation with Photoshop. Students will be required to provide their own non-automatic 35mm camera. A course fee will be required and must be paid by the end of the first week of the quarter. This course fee is \$110 for consumable materials and supplies. Students will be required to take photographs outside of the regular classroom time.				
<u>ART MONTAGE</u> 000005	9-12	.50	S	None
Learn to appreciate art through the ages. From prehistoric cave paintings to contemporary performance art, students will make art as well as read and write about it. This is a semester-long introductory course for students who may want to explore further courses in art. A course fee is required.				

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
ADAPTIVE ART I	9-12	1.00	Y	*Art Teacher Recommendation Required

Adaptive Art is a yearlong introductory course which explores basic art concepts for students requiring modifications in art and requiring usage of adaptive art equipment. Students engage in hands-on activities designed to assist and improve fine motor skill, and learn to express themselves through art. Students will use a variety of art materials, such as crayon, pencil, tempera paint, acrylic paint, clay, rubber stamps and print making equipment. This course includes basic art history and cultural art studies.

<u>INDEPENDENT STUDY-ART 12</u> 001100		1.00	Y	Art IV required concurrently or Permission of Instructor
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This course is for the senior art student who has exhausted the art major offerings. A program of projects will be created in collaboration with the instructor. Opportunities exist for major projects, in-depth explorations, learning of new processes and portfolio strengthening. Students must provide materials for special projects. Students will incorporate the human figure, commercial art, and a variety of 2-D and 3-D assignments in their planned activities. Students who are not also enrolled in Art IV are required to create a digital portfolio, write an art term paper, and create an artist showcase exhibit. Evaluation is by portfolio and/or exam. **A course fee is required.**

W <u>HONORS ART HISTORY</u> 001123	11 – 12	1.00	Y	3.00 GPA and English or Social Studies Teacher Recommendation
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Honors Art History is the chronological survey of western visual art, tracing the evolution of art from prehistoric times to art that is under production today. The course emphasizes the basic principles of art and design as well as the historical details, including the people, cultures and events which may influence the artist. This course serves as a more academic approach to visual art which will enhance future college studies. Critical thinking skills are required. Course grades are derived from exams, research reports and participation. Students may wish to take the A.P. Art History exam at the end of the year for A.P. test credit. **The course fee is \$15.00.**

W <u>AP STUDIO ART</u> 001130	12	1.00	Y	Art III & Art Teacher Recommendation
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AP Studio Art is for students who intend to study art in college. Work must be completed at a level comparable to college freshmen. Thirty pieces of art are required for the AP portfolio. Some preliminary work must be completed over the summer preceding the senior year (3 pieces). Students will average approximately one finished piece per week during the year, and will be expected to complete some writing tasks as well. The AP College Board charges the student a test fee of approximately \$80.00 which is due when the portfolio is submitted for review. All AP Studio students are expected to submit their portfolios for reviews. Students should check with the colleges/art schools they plan to attend to see if AP credit is accepted. **A course fee is required.** In addition to the course fee, the student will be responsible for purchasing any specific art supplies they will need for projects, just as they would be expected to in college.

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Music Department

ORCHESTRA 9-12 1.00 Y Teacher Recommendation
001135

This course affords string players and selected wind players the opportunity to perform standard works of orchestra repertoire to high standards of excellence. Stand works of music serve as a text for the full orchestra supplemented by group instruction for strings and winds as needed. Members are expected to attend all rehearsals and performances of orchestra as well as all concerts.

CONCERT BAND 9-12 1.00 Y Head Director Recommendation
(Marching Band in the fall)
001140

This course affords students who play, wind or percussion instruments to have an opportunity to have experience learning the standard works of the marching and concert band. In order to receive the head director's recommendation, students must prove their proficiency by experience recognized by the head director or a proficiency audition to be played for the head director before enrollment time. Music for the audition will be available from the music office after January 1st of the enrollment year.

The course reviews the fundamentals of playing and musicianship. Standard works of the band repertoire will be used as the text. Members of Concert Band are members of Marching Band or Eaglets during football season and are to be at all rehearsals and performances of both groups. Students will be requested to attend some outside of school time rehearsals.

EAGLETS (Fall Season) 9-12 .25 Qtr. (1st) By Audition
(Non –concert Band Members)

Fall Eaglets is a precision drill team, which performs with the Marching Band during football season. Eaglets will meet and practice with the Marching Band during July and August and Period 1, during the first 9 weeks of school as well as after school during this time period. Students will be selected by audition.

EAGLETS (Winter Season) 9-12 ∅ Qtr. (2nd/3rd) By Audition

Winter Eaglets is a dance team, which performs halftime shows for the boys' home varsity basketball games. The season runs from November through February. Practices will be after school at the discretion of the advisor. Students will be selected by audition.

MUSIC FUNDAMENTALS 9-12 1.00 Y Music Experience
001150

This course is designed for the student interested in furthering their knowledge of the structure of how music is put together that is: Scales, keys, intervals, chords, rhythm, and meter. Significant time is spent on ear-training and theory skills. Composition is taught within the context of four-part writing. This course is ideal for instrumental and vocal music students planning to further their career in music after high school. Music technology is also addressed in this course.

Course Title	Grade	Credit	Length	Prerequisite and/or Recommendation
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CONCERT CHOIR 9-11 1.00 Y Teacher Recommendation
001155

This course is a mixed choir of males/females with emphasis on a wide variety of musical styles in four-part harmony. Several performances are given throughout the year in concerts and festivals, sometimes with other schools or colleges. This course is designed for singers who have one year or less of high school singing experience. Students are expected and required to attend after-school rehearsals and concerts. A uniform fee is required

A CAPPELLA CHOIR 10-12 1.00 Y Teacher Recommendation
001160

A Cappella is the select choir, which emphasizes all styles of choral music on an advanced level. A Cappella Choir is a prestigious, active group, which performs extensively throughout the year in concerts, festivals, and competitions. This choir is designed for the singer with at least one year of high school vocal experience. A uniform fee is required.

“SPECIAL EDITION” 10-12 .25 Y Teacher Recommendation
001165

The “Special Edition” is a select vocal jazz ensemble made up of singers, pianist(s), bass player(s), and percussion. The ensemble consists of approx. 16 voices; 8 male, 8 female, and a rhythm section. Students should have experience singing in traditional ensembles, or training groups like “Coming Attractions.” Emphasis is placed on competitive musical skills. In addition to regular class rehearsals, there are weekly Monday evening rehearsals, concerts and festivals. Annual auditions are held in the second semester of the school year. A uniform fee is required.

“COMING ATTRACTIONS” 9-11 .25 Y Teacher Recommendation
001167

“Coming Attractions” is the training group in the Special Edition vocal jazz program. Emphasis is placed on young high school students with average to above average singing skills and interest in learning the art of vocal jazz. Time is spent learning how to sing on microphones in the jazz style. Students will learn about the history of jazz and become familiar with basic jazz theory and performance practices. In addition to regular class rehearsals, there is a weekly evening rehearsal. Approximately 16 singers are selected – 8 male, 8 female. Coming Attractions performs regularly at school concerts and some vocal festivals. A uniform fee is required.

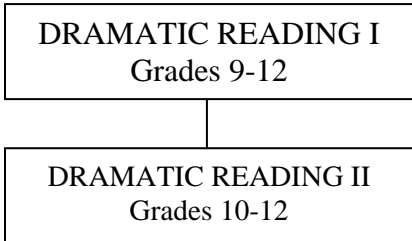
Communications

INTRO. TO COMMUNICATION 9-12 .50 S English Teacher Recommendation
000073

In order to interact effectively with others, it is important to have an understanding of the process of communication and to be able to practice speaking in a comfortable environment. This course will introduce students to the main factors that influence communication with single individuals, within small groups, and in front of a large group (public speaking). Students will learn and practice both oral and nonverbal communication skills by interacting with students in the class as well as through interviews and discussions with adults and students outside the class. Class members are required to research and present six speeches to the class. A course fee may be required.

Course Title	Grade	Credit	Length	Prerequisite and/or Recommendation
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Dramatic Arts



<u>DRAMATIC READING I</u> 000071	9-12	.50	S	English Teacher Recommendation
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“All the world’s a stage” and most of us would like our chance to perform in front of an audience. This course introduces students to basic acting techniques. Students will present projects, which will stress both vocal and physical skills, which are essential for actors. The course is composed of both individual and group projects which involve the creation of original scenes to perform as well as short scenes from plays which must be memorized. Students will also be introduced to several areas of technical theater and will complete projects to demonstrate basic understanding of: costuming, scenic design, and stage lighting, and script reading. For the final class project, students will work in production groups to produce a short play for the class and invited guests. Good memorization skills are essential to be successful in this class. A course fee will be required.

<u>DRAMATIC READING II</u> 000072	10-12	.50	S	B in Dramatic Reading I and Recommendation from Dramatic Reading I Teacher
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This course is designed for students who have been successful in Dramatic Reading I who would like to refine their acting skills and expand their knowledge about dramatic literature. Students will work in small groups each day and choose from a variety of projects, which focus on comic acting, dramatic acting, and pantomime. Performance of classic scenes from major historical periods will be emphasized. Students will also be able to select individual projects to expand their knowledge in design areas such as: scene painting, costuming, lighting and sound, script reading, and stage makeup, and to explore special topics such as musical theatre, theatre management, playwriting, and directing. (Students may take this course a second time as Dramatic Reading III for an additional .5 credit with the permission of the instructor, but not during the same school year as Dramatic Reading II.)

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Comprehensive Business & Vocational Education

Comprehensive Business Education

9th Grade	10th Grade	11th Grade	12th Grade
*Computer Keyboarding and Document Preparation	*Computer Keyboarding and Document Preparation	*Computer Keyboarding and Document Preparation	*Computer Keyboarding and Document Preparation
Document Preparation	Document Preparation	Document Preparation	Document Preparation
Microsoft Word	Microsoft Word	Microsoft Word	Microsoft Word
Computer Applications	Computer Applications	Computer Applications	Computer Applications
	Microsoft Visual Basic Programming I	Microsoft Visual Basic Programming I	Microsoft Visual Basic Programming I
	Microsoft Visual Basic Programming II	Microsoft Visual Basic Programming II	Microsoft Visual Basic Programming II
*Introduction to Business	*Introduction to Business		
	*Survey of Business	*Survey of Business	*Survey of Business
	*Accounting I	*Accounting I	*Accounting I
		*Accounting II	*Accounting II
		Business Finance	Business Finance
		Business Management	Business Management
		Multi-Media Marketing	Mult-Media Marketing
		Personal Money Management	Personal Money Management
* Denotes year-long course. All others are a semester.			

COMPUTER KEYBOARDING & DOCUMENT PREPARATION **9-12** **1.00** **Y** **None**

001180

Computer Keyboarding & Document Preparation, a year-long course, introduces students to the alpha/numeric keyboard using the software MicroType Pro on Windows compatible computers. This course is recommended for students who **have NOT yet mastered the skill of touch typing**. Students are first instructed to use correct touch-typing techniques on the keyboard and then provided with opportunities to develop accuracy and speed through individual practice and the completion of specialized projects. Using Microsoft Word, students will apply the skill of touch-typing in the formatting and preparation of business and personal correspondence; such as letters, resumes, tables, outlines, compositions, and reports that contain footnotes, title pages, and bibliographies. Computer Keyboarding & Document Preparation is designed for students desiring the ability to prepare personal as well as high school and college assignments successfully and for those seeking the skills to gain employment. **It is recommended that students who have had instruction on touch typing in the middle school and can touch-type at 25 words per minute should enroll in Document Preparation.** A course fee for consumables will be required.

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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DOCUMENT PREPARATION
000101

9-12 .50 S 25 words per minute
IF YOU HAVE COMPLETED COMPUTER KEYBOARDING & DOCUMENT PREPARATION YOU CANNOT TAKE THIS CLASS

This **semester** course focuses on the preparation and production of various documents for personal, academic and professional use. Using Microsoft software, students will learn how to prepare basic letters, outlines, reports, resumes, memorandums, statistical tables and other documents. Students will utilize proper grammar and language art skills, basic editing, formatting, and document processing skills while applying proofreading and compositional skills. Students will also work on improving accuracy and speed. This course is highly recommended for students who want to learn how to prepare high school and college assignments successfully, as well as those wishing to enter the job market after graduation. **Students must be able to type 25 words per minute accurately using proper touch-typing technique. Students who have successfully completed Computer Keyboarding & Document Preparation are not eligible for this course. It is suggested that you take Computer Applications or Microsoft Word. A course fee for consumables will be required.**

COMPUTER APPLICATIONS
000151

9-12 .50 S *Computer Keyboarding
and/or *Document Preparation
in or equivalent skill as described
course the Document Preparation
description

This **semester** course is designed to introduce students to common computer applications; word processing, database management, electronic spreadsheets, PowerPoint presentations and Desktop Publishing. Using Microsoft software, students will become aware of the role of each of these applications in society and will have substantial hands-on experience with each. The purpose of these experiences is to enable students to make active use of the applications in other school subjects and in daily living activities. Students will conduct classroom presentations using technology, a preparatory skill for college and work. *It is highly recommended that students complete the semester course in document preparation or have equivalent skills before taking this course. **A course fee for consumables will be required.**

MICROSOFT WORD
000152

9-12 .50 S *Computer Keyboarding and/or
*Document Preparation or
equivalent skill as described in
the Document Preparation
course description

Microsoft Word, a **semester** course, advances a student's knowledge of document preparation. Students are introduced to the techniques of entering, saving, retrieving, formatting and reformatting documents, designing documents, merging data into documents. Students are encouraged to use graphics, various fonts, and the special features of the Microsoft Word program to enhance various documents. Class projects will have both business and personal applications for school-related course work and/or outside interests. The class is designed to benefit the college-bound student, as well as the student seeking skills to gain employment. *It is highly recommended that students complete the semester course in document preparation before taking this course. **A course fee for consumables will be required.**

INTRODUCTION TO BUSINESS
001182

9-10 1.00 Y None

The basic functions of business as experienced in everyday life are presented in this year-long course. Students will better understand American business and its relation to our social and economic well being. Careers will be discussed and integrated throughout the course to enable students to consider and explore occupations for personal satisfaction. Aspects of business ownership, use and cost of credit, functions of banking and financial services, budgeting and personal records, rights and responsibilities of consumer awareness, and the basic principles of insurance and stock investments are included in this course.

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
<u>SURVEY OF BUSINESS</u> 001185	10-12	1.00	Y	None Revised Course
<i>Students who plan to pursue a career in business and want to sample a variety of topics in the business field will benefit from this year-long course. Business ownership, management, labor, marketing, accounting, banking, taxes, stock market, international business study, as well as, career exploration are some of the topics examined. Through our affiliation with Junior Achievement's Applied Economics program, students form a mini-corporation by selling stock, electing officers, selecting and marketing a product, as well as, keeping financial records for the company. Students will also participate in the Ohio Stock Market simulation to learn the intricacies of the stock market and to become familiar with the domestic and international financial systems. A course fee for the stock market simulation will be required.</i>				
<u>ACCOUNTING I</u> 001187	10-12	1.00	Y	Algebra I highly recommended
<i>This year-long course will present the basic concepts and procedures needed to maintain the financial records of a business. The first semester includes accounting terminology and theory, analyzing business transactions and preparing accounting records and reports for <i>small service businesses</i>. Second semester continues with the use of expanded and special journals and subsidiary ledgers for <i>merchandising-retail businesses</i>. Students will be given opportunities to apply their knowledge through <i>computer-based problems and simulations</i>. Accounting provides an understanding of basic concept for college accounting, business administration and law courses, as well as, for students who may plan to enter careers in business immediately following high school. This class is taught based upon Generally Accepted Accounting Principles issued by the Financial Accounting Standards Board. <i>Completion of Algebra I is highly recommended.</i> A course fee for a workbook & consumables will be required.</i>				
<u>ACCOUNTING II</u> 001190	11-12	1.00	Y	Accounting I
<i>Accounting II expands upon the accounting concepts and procedures learned in Accounting I. Students will prepare and analyze financial records and reports for businesses organized as corporations that purchase and sell merchandise. Special emphasis is placed on uncollectable accounts, maintaining records for plant assets, accruals and deferrals, marketable securities, and the use of financial data by management. This course is highly recommended for students who will be majoring in accounting, business administration, law or finance in college. Practical applications are integrated throughout the course with opportunities to apply knowledge through computer-based problems and simulations. This class is taught based upon Generally Accepted Accounting Principles issued by the Financial Accounting Standards Board. A course fee for a workbook, practice set and consumables will be required.</i>				
<u>BUSINESS FINANCE</u> 000132	11-12	.50	S	None
<i>Business Finance is a semester class designed to study the fundamental principles and practices of financial management used in business. Topics of study include beginning and operating a business under various forms of ownership, the role of the financial manager, analysis of financial statements, investing in the stock market, and business in today's global market.</i>				
<u>MULTI-MEDIA MARKETING</u> 000134	11-12	.50	S	None Revised Course
<i>Various marketing activities including market research, product design, test marketing, distribution, advertising, and personal sales are explored in this semester course. Students will test the validity of the classroom material as they use their knowledge to analyze media promotions, retail pricing policies and customer service used in businesses throughout the community. Market research will be done with the goal of presenting their findings to an organization that will benefit from the results. <i>The use of digital technology will be employed to create product and service advertisements. Digital photography and video will be used to support marketing campaigns.</i> Guest speakers and marketing simulations in which students must make decisions regarding price, production, research, and advertising all serve to enhance the student's opportunity to acquire marketing information. Cooperative learning is often used as student groups are representative of the corporate office environment.</i>				

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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EXECUTIVE BUSINESS MANAGEMENT 11-12 .50 S None

000133

Major components of executive business management are presented for study in this semester course. Topics include: planning, organizing, and company goal setting, staffing, directing through motivation and leadership, effective communication, business presentations and etiquette, ethics, social responsibility and business legality. Students will become proficient in professional presentation techniques.

The theory of management is emphasized through text readings, discussions, sharing of business experiences, case studies and community business leader visits and presentations. Reading periodic literature, current events in business, and interviews with executives will help to present a complete picture of the job of a business for both college-bound students and those entering the world of work immediately following high school.

PERSONAL MONEY MANAGEMENT 11-12 .50 S None

000135

This **semester** course will assist students to know and understand the role each individual must play in our economy as a citizen, taxpayer, and consumer. Units of study include the principles of buying consumer goods, managing your money, using credit, renting an apartment, buying a car, and calculating personal income tax.

MICROSOFT VISUAL BASIC PROGRAMMING I 10-12 .50 S Algebra I

000160

This **semester** course is for the beginning computer programmer! You will create your own programs using the tools provided in Microsoft Visual Studio 2008. Each program is both windows-based and executable. You will learn how create and use command buttons, option buttons, menus, scroll bars, and message boxes. You will also write code using variables, If-Then statements and random numbers. Your final project for Visual Basic I is to create your own project. Please make sure you have the required prerequisite for Algebra I before enrolling in this great and challenging class. Visual Basic opens the doors for future programming careers. **A course fee is required for consumables.**

MICROSOFT VISUAL BASIC PROGRAMMING II 10-12 .50 S Visual Basic I

000161

After successfully completing Visual Basic I, students are encouraged to continue programming with Visual Studio 2008. This **semester** course deals with more complicated programming skills such as Loops, Arrays, File Management, Database and Web Applications. This course is recommended as a preparation for JAVA and AP Computer Science. Successful completion of Microsoft Visual Basic I is mandatory for enrollment in this course. **A course fee will be required for consumables.**

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Computer Education
(Relating to Business and/or Mathematics)

<u>COMPUTER KEYBOARDING & DOCUMENT PREPARATION</u>	9-12	1.00	Y	None
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001180

Computer Keyboarding & Document Preparation, a year-long course, introduces students to the alpha/numeric keyboard using the software MicroType Pro on Windows compatible computers. This course is recommended for students who **have NOT yet mastered the skill of touch typing**. Students are first instructed to use correct touch-typing techniques on the keyboard and then provided with opportunities to develop accuracy and speed through individual practice and the completion of specialized projects. Using Microsoft Word, students will apply the skill of touch-typing in the formatting and preparation of business and personal correspondence; such as letters, resumes, tables, outlines, compositions, and reports that contain footnotes, title pages, and bibliographies. Computer Keyboarding & Document Preparation is designed for students desiring the ability to prepare personal as well as high school and college assignments successfully and for those seeking the skills to gain employment. **It is recommended that students who have had instruction on touch typing in the middle school and can touch-type at 25 words per minutes should enroll in Document Preparation. A course fee for consumables will be required.**

<u>DOCUMENT PREPARATION</u>	9-12	.50	S	25 words per minute
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000101

IF YOU HAVE COMPLETED COMPUTER KEYBOARDING & DOCUMENT PREPARATION YOU CANNOT TAKE THIS CLASS

This **semester** course focuses on the preparation and production of various documents for personal, academic and professional use. Using Microsoft software, students will learn how to prepare basic letters, outlines, reports, resumes, memorandums, statistical tables and other documents. Students will utilize proper grammar and language art skills, basic editing, formatting, and document processing skills while applying proofreading and compositional skills. Students will also work on improving accuracy and speed. This course is highly recommended for students who want to learn how to prepare high school and college assignments successfully, as well as those wishing to enter the job market after graduation. **Students must be able to type 25 words per minute accurately using proper touch-typing technique. Students who have successfully completed Computer Keyboarding & Document Preparation are not eligible for this course. It is suggested that you take Computer Applications or Microsoft Word. A course fee for consumables will be required.**

<u>COMPUTER APPLICATIONS</u>	9-12	.50	S	*Computer Keyboarding
000151		and/or		*Document Preparation
		in		or equivalent skill as described
		course		the Document Preparation
				description

This **semester** course is designed to introduce students to common computer applications; word processing, database management, electronic spreadsheets, PowerPoint presentations and Desktop Publishing. Using Microsoft software, students will become aware of the role of each of these applications in society and will have substantial hands-on experience with each. The purpose of these experiences is to enable students to make active use of the applications in other school subjects and in daily living activities. Students will conduct classroom presentations using technology, a preparatory skill for college and work. *It is highly recommended that students complete the semester course in document preparation before taking this course. **A course fee for consumables will be required.**

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
<u>MICROSOFT WORD APPLICATIONS</u> 000152	9-12	.50 and/or in course	S	*Computer Keyboarding *Document Preparation or equivalent skill as described the Document Preparation description

Microsoft Word, a **semester** course, advances a student's knowledge of document preparation. Students are introduced to the techniques of entering, saving, retrieving, formatting and reformatting documents, designing documents, merging data into documents. Students are encouraged to use graphics, various fonts, and the special features of the Microsoft Word program to enhance various documents. Class projects will have both business and personal applications for school-related course work and/or outside interests. The class is designed to benefit the college-bound student, as well as the student seeking skills to gain employment. *It is highly recommended that students complete the semester course in document preparation before taking this course. **A course fee for consumables will be required.**

<u>MICROSOFT VISUAL BASIC PROGRAMMING I</u> 000160	10-12	.50	S	Algebra I
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This is a **semester** course is for beginning computer programmer! You will create your own programs using the tools provided in Microsoft Visual Studio 2008. Each program is both windows-based and executable. You will learn how create and use command buttons, option buttons, menus, scroll bars, and message boxes. You will also write code using variables, If-Then statements and random numbers. Your final project for Visual Basic I is to create a program of your own. Please make sure you have the required prerequisite for Algebra I before enrolling in this great and challenging class. Visual Basic opens the doors for future programming careers. **A course fee is required for consumables.**

<u>MICROSOFT VISUAL BASIC PROGRAMMING II</u> 000161	10-12	.50	S	Visual Basic I
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After successfully completing Visual Basic I, students are encouraged to continue programming with Visual Studio 2008. This **semester** course deals with more complicated programming skills such as Loops, Arrays, File Management, Database and Web Applications. This course is recommended as a preparation for JAVA and AP Computer Science. Successful completion of Microsoft Visual Basic I is mandatory for enrollment in this course. **A course fee will be required for consumables.**

Cooperative Vocational Education

Cooperative Education offers students the opportunity to achieve gainful employment in a field of interest. A variety of experiences in the areas of business and retail allow students to develop marketable skills.

<u>CAREER BASED INTERVENTION (CBI)</u> 003201	11	4.00 Administ Coordinator	Y	Application ration & Approval
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Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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CAREER BASED INTERVENTION (CBI)

003301

Career Based Intervention is a one or two-year program designed to provide selected students the opportunity for employment opportunities and training while continuing their general high school education. The goal of the program is to help students improve academic competence, explore careers, and become employable, productive citizens. The CBI program provides a combination of educational and work-based learning opportunities for student success along with paid cooperative work experience.

The CBI related class is one credit entailing life and job skills which includes study in the following areas: business, math, career exploration and job search techniques, credit, insurance, practical law, money management, taxation, and vocabulary. Credit for English is included in the CBI Program. One credit is given for English 11 and/or 12 and students will receive two credits for the work experience. The majority of students are employed by restaurants, grocery stores, convenience stores, landscapers and nurseries, gas stations, and other retail stores.

Acceptance into the program is made after completion of an application, interview with the teacher/coordinator and final approval of the counselor, administration, instructor, and parents.

Family & Consumer Sciences

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Foundations for Living	Foundations for Living	Adult Life Skills	Adult Life Skills
	Children & Parenting	Children & Parenting	Children & Parenting
	Fashion Design and Merchandising	Fashion Design and Merchandising	Fashion Design and Merchandising
	Creative Foods	Creative Foods	Creative Foods
	Personal Life Management	Personal Life Management	Personal Life Management
		Family Life Issues	Family Life Issues
	Interior Decorating Level 1	Interior Decorating Level 1	Interior Decorating Level 1
	Interior Design Level 2	Interior Design Level 2	Interior Design Level 2
<i>All courses are a semester in length</i>			

FOUNDATIONS FOR LIVING

000400

This hands on semester course focuses on basic understanding and practical applications in the areas of Family and Consumer Sciences including: food and nutrition (ONLY ONE QUARTER—9 weeks of the course is devoted to FOODS, nutrition and cooking). The other 9-weeks covers basic machine and hand sewing, consumer education, child, parenting, and family living. Students must provide their own materials for their individual sewing project. **A lab fee is required for this course. Students who enroll in this course MAY NOT take ADULT LIFE SKILLS in the future.**

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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CHILDREN & PARENTING

000408

This semester course is designed to provide critical and essential information to students interested in child development or a child-related career. This course covers the developing child from birth to young adulthood and discusses social issues involving children and parenting. Topics include: the family unit, teen social issues, sexuality, abstinence education, parenting skills, growth and development, the contemporary family life style, careers, and other current topics. Guest speakers are an intricate part of the course.

CREATIVE FOODS

000412

This semester course is designed to develop basic kitchen preparatory skills in food preparation and service. Throughout the course, students will engage in the study of the new Food Pyramid, healthy eating habits, diet and eating trends, equipment use, sanitation, and careers in the culinary field. Creative Foods primarily focuses on American regional cooking. **A course fee is required for this course.**

INTERIOR DECORATING

- LEVEL I

000410

This semester course explores the foundations of American housing styles, historical furniture styles, decorating principals, careers in interior design and other related areas; such as, kitchen planning and design, remodeling. Students use a CAD (computer-assisted drafting) program to assist with scale drawings of floor plans and will use their creativity in applying wall, floor, and fabric treatments, as well as other materials when they apply the principals of interior design into their own decorating projects. Guest speakers provide enriching insights to the curriculum. **This course can be used to satisfy the arts credit for the honors diploma.**

INTERIOR DESIGN-LEVEL 2

000411

This semester course continues to develop advanced interior decorating and design concepts with a concentration in using a CAD (computer-assisted drafting) program. Major areas of concentration and creative, independent projects will include design problems, Feng Shui principals, The Americans with Disabilities Act of 1990 and accessibility issues, commercial design, and landscape design. Guest speakers provide enriching insights to the curriculum. **A lab fee is required for this course. This course can be used to satisfy the arts credit for the honors diploma.**

PERSONAL LIFE

MANAGEMENT

000414

Personal Life Management develops skills for managing one's personal resources of time, energy and money. Topics include: goal setting, career exploration using the Occupational Career Index, developing a career plan, money management, developing a budget and financial plan, searching for scholarships, using credit cards and the pitfalls of poor money management, insurance, and stress management. An emphasis will be on practical, hands-on, student projects and guest speakers. **This class cannot be taken in the same year as Foundations for Living or Personal Money Management offered through the Business Department.**

FAMILY LIFE ISSUES

000407

This course examines issues concerning individuals and the family including: personal awareness and development, communication skills, relationships with others, marriage readiness, problem solving, crises management, problems facing the family, balancing work and family management.

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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ADULT LIFE SKILLS **11-12** **.50** **S** **Not previously taken**
000406 **Foundations** **or Creative Foods**
This semester course is designed for students who have **NOT TAKEN FOUNDATIONS FOR LIVING OR CREATIVE FOODS**. This course discusses the “tools” needed for college and the world of work. Adult Life Skills surveys a wide range of practical life skills needed after high school. Topics include 9-weeks of cooking, the food pyramid and nutrition. The other 9-weeks covers using the sewing machine and hand sewing to make repairs and a basic project, consumer skills; such as, banking and credit, using credit cards, insurance and buyer beware pitfalls. **A course fee is required for this course.**

FASHION DESIGN AND MERCHANDISING **10-12** **.50** **S** **Foundation for Living, Adult Life Skills, or appropriate sewing skills as determined by teacher**
000416
This semester course will introduce students to the exciting and ever-changing world of fashion. Students will use elements of art, design, sewing, technology, marketing, and presentations as they launch their very own fashion line. The student will design and construct garments using machine sewing skills. Students will market and present their designs and creations to a panel of fashion experts. Topics of study will include history of fashion, cultural influences, trends, designers, and fabrics. Students will begin the semester researching, creating, designing, and sewing fashionable clothing. Students will end the semester by preparing an effective marketing and merchandising plan that will be presented to a panel of fashion experts and judges. **A course fee is required for this course.**

Industrial Technology

9 th Grade	10 th Grade	11 th Grade	12 th Grade
Introduction to CAD	Introduction to CAD	Introduction to CAD	Introduction to CAD
<i>HONORS CAD</i>	<i>HONORS CAD</i>	<i>HONORS CAD</i>	<i>HONORS CAD</i>
CAD II	CAD II	CAD II	CAD II
Modular Technology I	Modular Technology I	Modular Technology I	Modular Technology I
Modular Technology II	Modular Technology II	Modular Technology II	Modular Technology II
All courses are semester courses.			

INTRODUCTION TO CAD **9-12** **.50** **S** **Algebra I**
000457
If you enjoy designing and creating new things, this class is for you. Introduction to CAD (COMPUTER AIDED DESIGN) is a semester course that exposes students to the world-famous AutoCAD software. Start building skills to prepare for the fields of engineering, design architecture and construction. A variety of activities will be provided to challenge students of varying abilities including a tower designing and building contest. Manual drafting is covered for the first 6 weeks of the course. **A course fee is required for consumables.**

W **HONORS CAD** **9-12** **.50 (weighted)** **S** **Algebra I**
000463
Honors CAD will be an honors level CAD(Computer Aided Drafting) course that will expose students to the skill of Drafting and Design and the CAD software. Students will learn the basics of Drafting and operating the CAD software. Three-dimensional software will be used to create 3D models. Students will explore structural design in objects such as towers and bridges and investigate the design and construction process involved. Software used: AutoCAD LT, ProDESKTOP 8, Google Sketch-up. The heightened pace of the class will enable students to cover in further detail the concepts covered in Introduction to CAD, including additional content and activities. A course fee is required for this course.

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
<u>CAD II</u> 000460	9-12	.50	S	Introduction to CAD
<p>This course is an extension of Introduction to CAD. Emphasis is placed on mastering skills learned in Introduction to CAD. Three-dimensional software is introduced and used for designing projects. Bridge design and construction as well as house construction, architecture and floor plans are covered in CAD II. A Student MUST complete Introduction to CAD to participate in this course. A course fee is required for consumables.</p>				
<u>MODULAR TECHNOLOGY I</u> 000458	9-12	.50	S	None
<p>This course provides opportunities for students to use computer-assisted instruction to problem-solve through hands-on lab experiences. Offered as a semester class, students will select modules of study from the following: Aerodynamics, Robotics, Space Technology, Navigation and GPS, Research and Development, Biomedical Technology, Construction Technology, Hydraulics, Multimedia Production, Electronics Technology, Graphics Animation, CNC Technology, Mechanisms, Computer Maintenance, Automotive Technology and Basic Electricity. There is a range of activities available to meet the interests and needs of students of all abilities, aspirations, and avocations. Students may take this course twice in order to experience additional modules. A course fee is required for consumables.</p>				
<u>MODULAR TECHNOLOGY II</u> 000459	9-12	.50	S	Modular Technology I
<p>Modular Technology II is simply a continuation of Modular Technology I. Students will be able to complete the six remaining modules on the computer that they could not complete in Modular Technology I. A course fee is required for consumables.</p>				

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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English

All in-coming 9th graders will be required to pay a one-time fee for the handbook – *Writer's Inc.*

FUNDAMENTAL ENGLISH 9 9 1.00 Y Teacher Recommendation
002200

This course is designed for students needing review and reinforcement in the basic skills of reading, writing, spelling, vocabulary development, speaking, and language arts skills as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. This course includes a study of short stories, novels, poetry, and mythology.

GENERAL ENGLISH 9 9 1.00 Y Teacher Recommendation
002205

This course is designed for students with average abilities in English. The course emphasizes writing skills, usage and grammar, vocabulary development, and literature, with a continuing emphasis on developing reading skills as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. This course includes a study of short stories, novels, poetry, and mythology.

W	<u>HONORS ENGLISH 9</u> 9 1.00 Y Teacher Recommendation 002210
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This course is designed for students with **high proficiency** in the language skills of reading, writing, editing, listening, and speaking. It will further develop and refine skills in usage, grammar, vocabulary, and multi-paragraph composition. Students should have strong critical reading, writing, and research skills. Literature study will include classic works and Shakespeare. Considerable independent work and numerous projects are required. The course follows the guidelines that are outlined in our Course of Study and the Ohio Academic Standards in Language Arts.

FUNDAMENTAL ENGLISH 10 10 1.00 Y Teacher Recommendation
002300

This course is designed for students needing review and reinforcement in basic language skills – reading, writing, speaking, usage, grammar, and spelling as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. It emphasizes the reading of fiction, nonfiction, and poetry. Basic writing and research skills will be developed.

GENERAL ENGLISH 10 10 1.00 Y Teacher Recommendation
002305

This literature and composition course is structured for students with average proficiency in language skills as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. It emphasizes the critical reading of fiction, nonfiction, and poetry. In addition, writing skills, grammar, and vocabulary development will be stressed. A typed research paper is required.

	Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
W	<u>HONORS ENGLISH 10</u> 002310	10	1.00	Y	Teacher Recommendation
	This course is designed for the student who has high proficiency in English skills and who can work well independently. It emphasizes a concentrated approach to the critical analysis and interpretation of fiction, nonfiction, and poetry. Contemporary and classic literature, including Shakespeare, will be studied. The course reinforces and expands the process of writing through extensive essay assignments and projects. The principles of exposition are also emphasized as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. A focus on grammar and vocabulary development will be included, and advanced research skills will be reinforced. A typed research paper will be required.				
	<u>FUNDAMENTAL ENGLISH 11</u> 002400	11	1.00	Y	Teacher Recommendation
	This course is designed for students needing review and reinforcement in language skills. The student will work to develop skills in basic competency related to reading, writing, speaking, and listening as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. A practical approach to developing communicative skills will be emphasized. A typed research paper will be required.				
	<u>GENERAL ENGLISH 11</u> 002405	11	1.00	Y	Teacher Recommendation
	This course is designed for students with average proficiency in language skills as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. The student will continue to develop general English proficiencies. <i>A variety of composition styles – including personal narrative and expository writing – are emphasized.</i> The literary focus is American literature. A typed research paper will be required.				
W	<u>HONORS ENGLISH 11</u> 002410	11	1.00	Y	Teacher Recommendation
	This course is designed for the student with high proficiency in language skills who can work and read independently. It emphasizes the critical analysis and interpretation of American literature as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. This course expands the writing process through extensive essay assignments, as well as an intensive, independent study of an American author. This study will culminate in the composition of a typed literary analysis.				
	<u>FUNDAMENTAL ENGLISH 12</u> 002500	12	1.00	Y	Teacher Recommendation
	This course is designed for the students needing review and reinforcement of English skills for entrance into the work world immediately after graduation. Reading comprehension, spelling, grammar, composition, listening and speaking skills will be reinforced as outlined in our Course of Study and the Ohio Academic Standards in Language Arts.				
	<u>GENERAL ENGLISH 12</u> 002505	12	1.00	Y	Teacher Recommendation
	This course is designed for students who have achieved average grades in past English courses. It emphasizes a study of how writers use different styles to deal with various universal themes in literature. As part of the literature study, students refine critical reading skills and review composition skills as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. British and world authors will be studied and the historical background of important literary periods will be considered. The course prepares students for college work as well as for life and the pursuit of a career.				

	Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
W	<u>HONORS ENGLISH 12</u> 002510	12	1.00	Y	Teacher Recommendation
	<p>This course is designed for students with high proficiency in language skills. It will further develop and refine skills in sentence structure, English usage, mechanics, and paragraph and short-essay construction as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. Emphasis will be on organizing and developing a variety of coherent essays of the type students will be asked to produce in college. Intensive writing will gradually lead into more sophisticated essays based on critical reading of literature. Literature study will include classic works of the world, Shakespeare, and other British writers.</p>				
W	<u>ADVANCED PLACEMENT ENGLISH 12</u> 002515	12	1.00	Y	3.5 average in all previous English Classes Teacher Recommendation
	<p>Advanced Placement Literature and Composition serves the interest of twelfth-grade students who wish to pursue college-level study while still in secondary school. Students will be involved in both the study and practice of literature and writing. Through speaking, listening, and reading, but chiefly through their own experience of writing, students will become more aware of the resources of language: connotation, metaphor, imagery, syntax, and tone.</p> <p>Writing assignments will focus on the critical analysis of literature. Assignments also will include exercises in exposition, argument, and personal narrative. Speaking and writing about different kinds of experience further develop the students' sense of how style, subject, and audience are related.</p> <p>In addition to rigorous writing assignments, students will be engaged in the careful reading of literary works. They will develop critical standards for the independent appreciation of any literary piece, and they will increase their sensitivity to literature as a shared experience. Students are expected to take the AP exam in May. Students are required to read 4 or more books during the summer.</p>				
	<u>READING</u> 000200	9-12	.50	S	Scores & Teacher Recommendation
	<p>This course is designed for students reading below grade level who need direct reading instruction as well as for students who need intervention in order to pass the Ohio Graduation Test. Development of specific reading comprehension skills, practical reading applications, content area reading skills, and study skills are emphasized as outlined in our Course of Study and the Ohio Academic Standards in Language Arts. Students will be placed in this course based upon standardized reading testing scores and teacher recommendation. Students receive one-half unit of credit for successful completion. This credit applies toward graduation, but not toward the four units required in the concentration of English.</p>				
	<u>NOHIAN</u> 001177	9-12	1.00	Y	Application & Teacher selection in the late winter
	<p>This course provides students with experience in desktop publishing to produce the hard cover yearbook. This course involves a considerable amount of work outside the regular classroom. Students are involved in every aspect of production including page design, copy writing, photography, sales, and budgeting. Students will be required to take photographs at after-school events, solicit advertisements from local businesses, and sell and distribute yearbooks to the student body.</p>				

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Foreign Language

Why Foreign Languages?

Research shows that students who study foreign languages...

- Score higher on the SAT and ACT;
- Develop greater cultural sensitivity toward others;
- Increase vocabulary
- Perform better on tests of reading and math;
- Have more highly developed listening and retention skills;
- Are more creative;
- Display more highly developed thinking skills;
- Will be better prepared to contribute to local, state and national economies to compete in the global economy.

Some universities require 2 to 3 years of a Foreign Language as an entrance requirement: Some universities do not require a Foreign Language for entrance BUT do require Foreign Language credit for a university graduation requirement.

3 years of Foreign Language study may be used to qualify for Honors Diploma
 3 years of Foreign Language is required for Ohio Award of Merit Scholars.
 2 years of Foreign Language study fulfills NCAA eligibility to play college sports requirements.

In order to be successful, Foreign Language students should plan for consistent, out of class review of vocabulary and concepts.

French

<u>FRENCH 1</u> 005040	9-12	1.00	Y	C Avg. in English/ Reading
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This first course introduces and develops the concepts and use of basic grammar structures and vocabulary. Learners will engage in level-appropriate oral and written communication skill. They will demonstrate an ability to understand spoken, simple phrases and read brief texts. Various cultural aspects of the target language countries will be introduced. A course fee will be required.

<u>FRENCH 2</u> 005041	9-12	1.00	Y	C or Better Average in French Level 1 & Teacher Recommendation
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The second course further develops listening, speaking, reading, and writing skills by combining and recombining learned phrases and words. New grammar structures and vocabulary will be introduced. Learners will continue to investigate the culture of the target language countries. A course fee will be required.

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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W	<u>HONORS FRENCH 2</u> 005042	9-12	1.00	Y	B Average in 8th Gr. French Language or High School French 1 & Teacher Recommendation
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In addition to the French 2 description the Honors French 2 course is designed for students of exceptionally high ability with interest in the target language. This course is taught at an accelerated pace with greater rigor and depth than the regular-level course. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

<u>FRENCH 3</u> 005043	10-12	1.00	Y	C Average or Better in French Level 2 & Teacher Recommendation
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The third course provides for the intermediate use of grammar concepts and structures which lead to higher-level comprehension and communication of the target language. At this level, learners will speak and write in the appropriate time frames. Reading materials will be utilized to acquire new knowledge and information, including cultural aspects of the target language countries. A course fee will be required.

W	<u>HONORS FRENCH 3</u> 005044	9-12	1.00	Y	B Average or Better in Honors French Level 2 & Teacher Recommendation
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This course is designed for students who have successfully completed Honors French 2 with an A or B average. In addition to the course description for French 3, the Honors Level course is designed for students of exceptionally high ability with interest in the target language. This course is taught at an accelerated pace with greater rigor and depth than the regular-level courses. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

<u>FRENCH 4</u> 005045	10-12	1.00	Y	C Average or Better in French Level 3 & Teacher Recommendation
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The fourth course requires learners to initiate, sustain, and bring to closure a wide variety of communicative tasks in the appropriate time frames. Application and extension of grammar concepts and vocabulary through original self-expression in written and oral form will be expected. Cultural study will include researching, comparing, and contrasting historical events, geographical, and political issues of the home and target countries. A course fee will be required.

W	<u>HONORS FRENCH 4</u> 005046	10-12	1.00	Y	B Average or Better in French Honors Level 3 & Teacher Recommendation
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This course is designed for students who have successfully completed Honors French 3 with an A or B average. In addition to the French 4 description, the Honors course is designed for students of exceptionally high ability with interest in the target language. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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<u>HONORS FRENCH 5</u> 005047	11-12	1.00	Y	B Average or Better in French Level 4 or Honors Level 4 & Teacher Recommendation
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The fifth course requires learners to demonstrate oral and written language skills and cultural knowledge in unstructured learning situations. An overall grammar review will be emphasized, and a variety of reading materials utilized to acquire knowledge and information from authentic literary text and media sources. Cultural perspectives, attitudes and beliefs of the home and target countries will be analyzed and discussed. Honors courses are designed for students of exceptionally high ability with interest in the target language. These courses are taught at an accelerated pace with greater rigor and depth than the regular-level course. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

Spanish

<u>SPANISH 1</u> 005048	9-12	1.00	Y	C Average in English/Reading
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The first course introduces and develops the concepts and use of basic grammar structures and vocabulary. Learners will engage in level-appropriate oral and written communication skills. They will demonstrate an ability to understand spoken, simple phrases and read brief texts. Various cultural aspects of the target language countries will be introduced. A course fee will be required.

<u>SPANISH 2</u> 005049	9-12	1.00	Y	C or Better Average in Spanish Level 1 & Teacher Recommendation
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The second course further develops listening, speaking, reading, and writing skills by combining and recombining learned phrases and words. New grammar structures and vocabulary will be introduced. Learners will continue to investigate the culture of the target language countries

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<u>HONORS SPANISH 2</u> 005050	9-12	1.00	Y	B Average in 8th Grade Spanish Language or High School Spanish Level 1 & Teacher Recommendation
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In addition to the Spanish 2 description the Honors Spanish 2 course is designed for students of exceptionally high ability with interest in the target language. This course is taught at an accelerated pace with greater rigor and depth than the regular-level course. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

<u>SPANISH 3</u> 005051	10-12	1.00	Y	C Average or Better in Spanish Level 2 & Teacher Recommendation
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The third course provides for the intermediate use of grammar concepts and structures which lead to higher-level comprehension and communication of the target language countries. At this level, learners will speak and write in the appropriate time frames. Reading materials will be utilized to acquire new knowledge and information, including cultural aspects of the target language countries. A course fee will be required.

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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W	<u>HONORS SPANISH 3</u> 005052	9-12	1.00	Y	B Average or Better in Honors Spanish Level 2 & Teacher Recommendation
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This course is designed for students who have successfully completed Honors Spanish 2 with an A or B average. In addition to the course description for Spanish 3, the Honors Level course is designed for students of exceptionally high ability with interest in the target language. This course is taught at an accelerated pace with greater rigor and depth than the regular-level courses. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

	<u>SPANISH 4</u> 005053	10-12	1.00	Y	C Average or Better in Spanish Level 3 & Teacher Recommendation
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The fourth course requires learners to initiate, sustain, and bring to closure a wide variety of communicative tasks in the appropriate time frames. Application and extension of grammar concepts and vocabulary through original self-expression in written and oral form will be expected. Cultural study will include researching, comparing, and contrasting historical events, geographical, and political issues of the home and target countries. A course fee will be required.

W	<u>HONORS SPANISH 4</u> 005054	10-12	1.00	Y	B Average or Better in Spanish Honors Level 3 & Teachers Recommendation
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This course is designed for students who have successfully completed Honors Spanish 3 with an A or B average. In addition to the Spanish 4 description, the Honors course is designed for students of exceptionally high ability with interest in the target language. This course is taught at an accelerated pace with greater rigor and depth than the regular-level courses. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

W	<u>HONORS SPANISH 5</u> 005056	11-12	1.00	Y	B Average or Better in Spanish Level 4 or Honors Spanish Level 4 & Teacher Recommendation
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The fifth course requires learners to demonstrate oral and written language skills and cultural knowledge in unstructured learning situations. An overall grammar review will be emphasized, and a variety of reading materials will be utilized to acquire knowledge and information from authentic literary text and media sources. Cultural perspectives, attitudes and beliefs of the home and target countries will be analyzed and discussed. Honors courses are designed for students of exceptionally high ability with interest in the target language. These courses are taught at an accelerated pace with greater rigor and depth than the regular-level courses. Honors level students should possess superior reading ability and be willing to accept the challenge of academic rigor, including out-of-class research and assignments. A course fee will be required.

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Math

**General Prep
(Not NCAA Approved*)**

**College
Preparation**

**Accelerated
Preparation**

Fundamental Mathematics 1*
Algebra I Concepts*
Geometry Concepts*
Algebra 2 Concepts*
Transition to College Math

Algebra I
Geometry
Algebra 2
Transition to College Math
Algebra/Trigonometry
Honors Calculus

Honors Geometry
Honors Algebra 2
Honors Math Analysis
AP Calculus AB
AP Calculus BC

Fundamental Mathematics 1*
000603

9 .50 S

**Recommendation of
Math 8 Teacher. Required for
Algebra Concepts**

This course is designed for students who demonstrate the need for a more in depth, individualized instructional approach to mathematics instruction. Topics will include the meaningful use of symbols, linking expressions and functions, and connections of algebra with geometry. Instruction includes providing models of proficient problem solving, verbalizations of thought processes, guided practice, corrective feedback and frequent cumulative review. This course is taken concurrently with Algebra I Concepts and is required for Algebra 1 Concept students. In addition Algebra 1 students may also request this course. **This class does not meet the requirements for the NCAA clearinghouse.**

Algebra 1 Concepts*
006087

9-11 1.00 Y
eit

**Teacher Recommendation and
her or Math 8**

In this course, students will continue their investigation of functions and their graphs as well as explore quadratic equations and their solutions. They will also solve systems of equations using various methods and continue to apply problem-solving techniques to the solution of application problems. This course is recommended for those students who have not passed the Ohio Graduation Test. This course is not open to students who have already earned a credit in Algebra I or higher. **An OGT calculator is required regardless of grade level. This class does not meet the requirements for the NCAA clearinghouse.**

Algebra 1
006111

9-11 1.00 Y
Accelerated

**Teacher Recommendation and
"C" or better in Math 8,
Math 8**

This course uses the properties of real number to establish an organized system of solving equations and inequalities. Other topics covered include functions, exponents and exponential functions, systems of equations, solving quadratic equations, polynomials and factoring, as well as an extensive application of problem solving skills. **OGT calculator is required regardless of grade level.**

Course Title & Option #	Course Grade	Credit	Course Length	Prerequisite and/or Recommendation
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<u>Geometry Concepts*</u> 006130	10-12	1.00 Al	Y	Teacher Recommendation and either Algebra 1 Concepts or algebra 1
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This is an informal approach to the study of geometric figures. Basic concepts and constructions in geometry will be studied as well as theorems and postulates. Geometric relationships will be developed through the discovery approach. This course is not open to students who have already earned a credit in Geometry or higher. **OGT calculator is required regardless of grade level. This class does not meet the requirements for the NCAA clearinghouse.**

<u>Geometry</u> 006125	10-12	1.00 and	Y	“C” or better in Algebra 1 Teacher Recommendation
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This course covers the major topics of Euclidean Geometry including the definition of geometric figures, congruent and similar figures and constructions. There will also be an emphasis on the different methods of proofs including induction and the two column deductive proof. **OGT calculator is required regardless of grade level.**

W <u>Honors Geometry</u> 006120	9	1.00 Al	Y	“B” or better in 8 th grade algebra 1 and Teacher Recommendation
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This course is the second step of the AP sequence. It covers the various topics in Euclidean geometry including two-column proofs, Pythagorean applications, basic trigonometric ratios, surface area and volume, and coordinate proofs. It also reinforces topics from Algebra 1 including factoring and linear systems of equations. **A scientific calculator is necessary second semester.** As an honors level course, students should expect a rigorous course with daily homework, individual daily concept review, and an emphasis on practical and theoretical understanding of concepts.

<u>Algebra 2 Concepts*</u> 006230	11-12	1.00 Concepts	Y	Teacher Recommendation and either “C” or better in Geometry or Geometry
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This course is designed for the junior or senior who would like additional study in mathematics. This course will reinforce topics from algebra and geometry as well as investigate topics such as matrices, complex numbers, and quadratic equations. This course is not open to students with a course credit in Algebra 2 or higher. **A scientific calculator is required. This class does not meet the requirements for the NCAA clearinghouse.**

<u>Algebra 2</u> 006211	10-12	1.00 Teacher	Y	“C” or better in Geometry and Recommendation
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This course continues with the discussion of linear functions, polynomials, polynomial functions and quadratic equations. Other topics covered include conic sections, complex numbers, logarithms, matrices, probability and statistics, and trigonometry. **Scientific calculators required; graphing calculators are highly recommended.**

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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W	<u>Honors Algebra 2</u> 006220	9-10	1.00 and	Y	“B” or better in Honors Geom. Teacher Recommendation
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This is the third step of the AP sequence. Topics introduced in this course include graphs and equations of conic sections, radical and complex root equations and logarithms. Students will expand upon concepts studied in Algebra 1 and Geometry, particularly in the area of linear, quadratic, and polynomial functions. This course will also use technology to explore the graphs of polynomials. **Graphing calculators are recommended.** As an honors level course, students should expect a rigorous course with daily homework, individual daily concept review, and an emphasis on practical and theoretical understanding of concepts.

	<u>Transition to College Mathematics</u> 006331	12	1.00	Y	Teacher Recommendation and Senior Status and either Algebra 2 or Algebra 2 Concepts
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This course is intended to transition the college bound student to the rigor of a college mathematics course. There will be much emphasis placed on problem solving and applications of graphing calculators. Applications from Algebra and Geometry will be reinforced as well as an informal investigation of vectors and matrices and the use of radian measure in terms of acceleration and velocity. **A scientific calculator is required, a graphing calculator is recommended.**

	<u>Algebra and Trigonometry</u> 006311	11-12	1.00 Teacher	Y	“C” or better in Algebra 2 and Recommendation
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This course is intended to prepare the student to study Calculus. Trigonometric concepts from geometry will be reviewed and will then continue into the investigation of trigonometric identities. Other topics discussed will include the introduction of radian measure and operations with vectors and matrices. **There will be some use of a graphing calculator. A scientific calculator is required.**

W	<u>Honors Math Analysis</u> 006315	10-11	1.00 and	Y	“B” or better in H. Alg. 2 Teacher Recommendation
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This is a pre-calculus course and is designed to prepare the student to take AP Calculus the following year. Included in this course are problems from college algebra, analytical geometry and trigonometry. Students will study aspects of theorems, proofs, and mathematical theory. **Graphing calculators will be used extensively for various investigations and are strongly recommended.** As an honors level course, students should expect a rigorous course with daily homework, individual daily concept review, and an emphasis on practical and theoretical understanding of concepts.

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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W	<u>Honors Calculus</u> 006325	11-12	1.00 and	Y	“B’ or better in Alg./Trig Teacher Recommendation
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This course reviews elementary functions as well as logarithms and exponentials. It will introduce the student to the concept of limits and the beginning elements of calculus including derivatives and integrals. **Scientific calculators required; graphing calculators strongly recommended.** Students are not required to take the AP Calculus exam. As an honors level course, students should expect a rigorous course with daily homework, individual daily concept review, and an emphasis on practical and theoretical understanding of concepts.

W	<u>AP Calculus AB</u> 006335	11-12	1.00	Y	“B” or better in Math Analysis and Teacher Recommendation
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Calculus AB is the equivalent of a first semester college calculus course. Students will study the concepts of calculus geometrically, numerically, analytically, and verbally. The connections between derivatives, integrals, limits, approximations, and applications will be emphasized. **Students are expected to take the AP exam in the spring. A graphing calculator is strongly recommended for the course and is required for this exam.** As an AP level course, students should expect a very rigorous course with daily homework, individual daily concept review, and an emphasis on practical and theoretical understanding of concepts. Students are expected to memorize certain identities, theorems, and definitions as well as make connections between concepts. This is a challenging course offered for the serious mathematics student.

W	<u>AP Calculus BC</u> 006340	12	1.00	Y	AP Calculus AB and Teacher Recommendation
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Calculus BC is an extension of Calculus AB. It is the equivalent of a second semester college calculus course. Students will study advanced calculus topics geometrically, numerically, analytically, and verbally. The connections between derivatives, integrals, limits approximations, applications, polar and parametric equations, and series will be emphasized. **Students are expected to take the AP exam in the spring. A graphing calculator is strongly recommended for the course and is required for this exam.** As an AP level course, students should expect a very rigorous course with daily homework, individual daily concept review, and an emphasis on practical and theoretical understanding of concepts. Students are expected to memorize certain identities, theorems, and definitions as well as make connections between concepts. This is a challenging course offered for the serious mathematics student.

Course Title	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Elective Courses

W	<u>AP Statistics</u> 006320	10-12	1.00	Y	May be taken with Algebra 2 or higher course and Recommendation
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Teacher

*AP statistics introduces students to the major concepts and tools used in collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: (1) Exploring data: (observing patterns and departures from patterns); (2) Planning a study (deciding what and how to measure); (3) Anticipating patterns (producing models using probability and simulation); (4) Statistical inference (confirming models). **Students are expected to take the AP exam in the spring. TI-84, TI-84+, or TI-Nspire calculator is necessary for success in the course and on the AP exam. AP Calculus students may use the TI-84, TI-84+, or TI-Nspire for both classes.** As a technology based course, the class is taught in a computer lab. **A technology fee will be required.** As an AP level course, students should expect to have a significant amount of homework.*

W	<u>Computer Science</u> 000162	10-12	.50	S	May be taken with Algebra 2 or higher course and Teacher Recommendation
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*Computer Science is a first semester course which introduces students to the major concepts and tools used in an object oriented programming language. The language for this course is JAVA, which is rapidly becoming the programming language taught by most university introductory CS courses. During this semester course, students will be exposed to the following topics: System basics; Syntax and operators; Errors and debugging; Control statements; User-defined classes; User interface (GUI and graphics); Arrays; and Matrices. **A technology fee will be required.** As an honors level course students should expect the work to be challenging.*

W	<u>AP Computer Science</u> 000163	10-12	.50	S	“C” or better in Computer Science and Teacher Recommendation
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*AP Computer Science is a second semester continuation of the Computer Science course and should be taken in the same year as Computer Science. During this semester course, students will be exposed to: Advanced classes; Recursion; Searching and sorting; Linked lists; Iterators; and Advanced user interface design. If time allows, we will delve into robotics, more 2-D graphics, and applets. **Students are expected to take the AP Examination in the spring.** As an AP level course, students should be expected to have a significant amount of homework.*

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
Science				

GENERAL PREPARATION

Integrated Science
Biology
Environmental Science

COLLEGE PREPARATION

Integrated Science
Biology
Chemistry
Conceptual Physics
Environmental Science

ACCELERATED PREPARATION

Honors Biology
Honors Chemistry
Honors Physics
AP Biology
AP Chemistry
AP Physics C

COURSE EXPECTATIONS

All students have varying rates of learning and comprehension as well as different levels of organizational and study skills. For example, a 15 minute homework assignment may take one student 10 minutes to complete while another student may need 25 minutes or more to complete the same assignment. One student may comprehend a new concept after 20 minutes of nightly review while another student may require multiple nightly review sessions to comprehend the same concept. The following typical course expectations should be used as a guide when determining course load, course level, and extra-curricular commitments. Note, each course has multiple sections that are taught by different instructors who may or may not employ the same instructional and assessment strategies.

	Typical Course Expectations			
	Homework	Review	Assessments	Projects
General	3 nights/week	nightly	weekly	1 per quarter
College	3 nights/week	nightly	weekly	1 per quarter
Honors	4 nights/week	nightly	weekly	2 per quarter
Advanced Placement	6 nights/week	nightly	weekly	none

It is highly recommended that all college bound students earn four credits of high school science including a minimum of one credit in each of the following disciplines - biology, chemistry and physics.

INTEGRATED SCIENCE

Integrated Science is the study of the relationship between the physical, Earth, and space sciences. Emphasis is placed on chemical concepts including matter, atomic structure, bonding, and the periodic table; physical concepts including forces, motion, and waves; the universe including stars, galaxies, and the solar system; and the Earth including structure, weathering, climate, erosion, and plate tectonics; relationship between technology and science; diversity of scientific investigations, scientific theories, scientific literacy, scientific conclusions, and modeling investigations.

Integrated Science
007090

9 1.00 Y

This course is a laboratory-based science course requiring general math skills. **A course fee will be required.**

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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BIOLOGY

Biology provides an understanding of fundamental biological concepts and emphasizes the interrelationships of all organisms. Topics include ecology, chemistry of life, cell structures, functions and processes, DNA/RNA structures, protein synthesis, genetics and taxonomy.

<u>Biology</u> 007093	10	1.00	Y	Teacher Recommendation
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This course is a laboratory science for general studies and college preparation. A course fee will be required.

W	<u>Honors Biology</u> 007094	9-10	1.00	Y	Minimum B average in Honors Integrated Science or an A average in Integrated Science; and Teacher Recommendation
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For incoming 9th Graders: A in 8th Grade Science; A or B in 8th Grade Algebra 1 and 8th Grade English; and Science Teacher Recommendation

This course provides an accelerated laboratory-based experience for students possessing superior skills in reading comprehension, critical thinking and application. Honors students must be willing to accept the challenge of academic rigor, including out-of-class research and assignments. **A course fee will be required.**

Ninth grade students enrolled in Honors Biology have the option of enrolling concurrently in Integrated Science to ensure a comprehensive understanding of the science concepts included in the Ohio Graduation Test (OGT) administered in March of their sophomore year.

W	<u>AP Biology</u> 007095	10-12	1.50	Y	Minimum B average in Honors Biology; Minimum C average in Honors Chemistry; and former Honors Biology and Honors Chemistry Teachers' Recommendations
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AP Biology is a second year course designed to provide high school students with a learning experience equivalent to that of an introductory college course typically taken by biology majors during their first year. AP Biology includes those topics regularly covered in a college biology course for majors, and differs significantly from the usual first high school course in biology with respect to the level of textbook, the range and depth of topics covered, the type of laboratory work performed by the students, and the time and effort required of the students. AP Biology is designed to teach students how to develop a conceptual framework of modern biology, including an understanding of science as a process rather than an accumulation of facts; personal experience in scientific inquiry; recognition of unifying theme that integrate the major topics of biology; and application of biological knowledge and critical thinking to environmental and social concerns.

All students who are willing to accept the challenge of a rigorous academic curriculum and meet all of the prerequisites should consider AP Biology. **This course will meet for 1.5 periods per day; requires students to schedule a lunch period.** This course is recommended for students interested in careers in biology or medicine. Students are expected to take the AP Examination in the spring which may lead to college credit. **A course fee will be required.**

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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CHEMISTRY

Chemistry provides an understanding of the structure of the physical world and the changes that occur when two or more substances react to form new and different products. Topics emphasized will include measurement, matter and energy, atomic structure, chemical formulas and equations, chemical bonding, the periodic table, solutions, and organic chemistry. Theory, technical writing, mathematical applications, and laboratory experiments will be emphasized.

<u>Chemistry</u> 007096	10-12	1.00	Y	Minimum C average in Algebra I OR minimum B average in Algebra I Concepts; Passed Biology; and Current Science and Math Teachers' Recommendations
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This course is designed for college bound students possessing above-average reading comprehension, writing, and analytical skills. **A course fee will be required.**

W	<u>Honors Chemistry</u> 007097	9-12	1.00	Y	Minimum C average in Honors Biology or A average in current science course; minimum B average in Algebra I; and Current Science and Math Teachers' Recommendations A or B in 8 th Grade English for incoming 9 th Graders
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This course is an accelerated laboratory-based experience emphasizing the theoretical and mathematical concepts of chemistry. This course is recommended for students interested in pursuing a career in any medical field, engineering field, or biological and physical sciences. Students should possess superior reading, mathematical and critical thinking skills, and be willing to accept the challenge of academic rigor, including out-of-class projects and assignments. **A course fee will be required.**

W	<u>AP Chemistry</u> 007098	10-12	1.5	Y	Minimum B average in Honors Chemistry; concurrently enrolled in Algebra 2 or higher math; and Honors Chemistry Teacher Recommendation
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AP Chemistry is a second year course designed to provide students with a learning experience equivalent to that of an introductory college course in chemistry. AP Chemistry includes those topics regularly covered in a college-level chemistry course, and differs significantly from the usual first year high school course in chemistry with respect to the level of textbook, the range and depth of the topics covered, the emphasis on chemical calculations and the mathematical formulation of principles, the nature and variety of the laboratory work performed by the students, and the time and effort required of the students. AP Chemistry strongly emphasizes student mastery of critical thinking skills and provides an atmosphere which fosters guided inquiry and student-centered learning. Topics emphasized will focus on the quantitative and experimental aspects of inorganic chemistry including chemical equilibria, chemical kinetics, thermodynamics, electrochemistry, the structure of matter, and the kinetic theory of gases. All students who are willing to accept the challenge of a rigorous academic curriculum and meet all of the prerequisites should consider AP Chemistry. This course is recommended for students interested in careers in medicine, engineering or the biological, life, or physical sciences. Students are expected to take the AP Examination in the spring which may lead to college credit. **A course fee will be required.**

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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PHYSICS

Physics is the study of the natural universe and the laws and theories that govern it. Physics provides students with a general knowledge background for life and avocations, and relates physical laws to the outside world. It includes the study of motion, forces, energy, electricity, waves, sound, light, and modern physics.

<u>Conceptual Physics</u> 007099	10-12	1.00	Y	Minimum C average in Algebra I OR minimum B average in Algebra I Concepts; Passed Biology; and Current Science and Math Teachers' Recommendations
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This course emphasizes the conceptual aspects of physics. Basic algebra competency, sound critical thinking and laboratory skills are needed for successful participation in Conceptual Physics. **A course fee will be applied.**

W	<u>Honors Physics</u> 007100	9-12	1.00	Y	Minimum C average in Honors Biology or A average in current science course; enrolled concurrently in Algebra/Trig or Honors Math Analysis; and Current Science and Math Teachers' Recommendation A or B in 8 th Grade English for incoming 9 th Graders
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This course emphasizes the theoretical and mathematical aspects of physics. This course is recommended for students interested in pursuing a career in science, engineering or the medical fields. Students should possess superior reading, mathematical and critical thinking skills, and be willing to accept the challenge of academic rigor, including out-of-class projects and assignments. Grade point average in previous math course work should be a C or better. **A course fee will be required.**

W	<u>AP Physics C</u> Mechanics – Semester 1 Electricity and Magnetism – Semester 2 007106	10-12	1.00	Y	Minimum B average in Honors Physics; enrolled concurrently in AP Calculus; and Teacher Recommendation
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AP Physics C is a second year calculus-based course designed to provide students with a learning experience equivalent to that of college course in physics, with a laboratory component intended for physical science or engineering majors. The first half of the course is devoted to calculus-based mechanics with an emphasis on kinematics, Newton's Laws, work, energy and power, systems of particles, linear momentum, rotation, oscillation, and gravitation. The second half of the course is devoted to electricity and magnetism with an emphasis on electrostatics, conductors, capacitors, electric circuits, magnetostatics, and electromagnetism. Introductory differential and integral calculus is used throughout the course and on the AP Physics C exam.

All students who are willing to accept the challenge of a rigorous academic curriculum and meet all prerequisites should consider AP Physics C. This course is recommended for students interested in careers in medicine, engineering or the physical sciences. Students are expected to take either or both AP examinations in the spring which may lead to college credit. **A course fee will be required.**

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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ENVIRONMENTAL SCIENCE

Environmental Science is the study of the interaction between humans and their environment. Emphasis is placed on an understanding of the Great Lakes region, current events related to the environment, and significant scientific concepts in areas including ecology, chemistry, and biology. Topics of exploration include population growth, biodiversity, land use patterns, water pollution, fossil fuels, alternative energy and climate change. Material is learned through laboratory experiments and other hands-on activities, supplemental readings, writing assignments, and classroom presentations. Data analysis and the ability to solve mathematical equations are expected.

<u>Environmental Science</u> 007088	11-12	1.00	Y	Passed Integrated Science and Biology but does meet the math requirements for Chemistry or Physics; and Teacher Recommendation
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Those students who have successfully passed Integrated Science, Biology, and Algebra I with a C average (or Algebra I Concepts with a B average) are permitted to enroll in this course ONLY if they have passed either Chemistry or Physics OR are concurrently enrolled in either Chemistry or Physics. **A course fee will be required.**

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
Social Studies				

WORLD HISTORY (1750-PRESENT) 9 1.00 Y Required
008400

This course will allow students to examine events and trends which have shaped world history from 1750 to the present. Major time periods to be covered will be the Enlightenment, the English Industrial Revolution, the French Revolution, Imperialism’s effects on Africa, India, and Asia, and the World Wars from a European perspective.

W	<u>HONORS WORLD HISTORY (1750-PRESENT)</u> 008405	9	1.00	Y	Teacher Recommendation with “B+” in both Grade 8 History and Grade 8 Language Arts
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This course will allow students to examine events and trends which have shaped world history from 1750 to the present. Major time periods to be covered will be the Enlightenment, the English Industrial Revolution, the French Revolution, Imperialism’s effects on Africa, India, and Asia, and the World Wars from a European perspective.

Students will be taught at an accelerated pace with greater rigor and depth than the general-level course. The use of critical thinking skills and their application to the understanding of historical events is required.

UNITED STATES: HISTORY 1877 – PRESENT 10 1.00 Y Required
008410

Students continue the chronological study of the history of the United States with emphasis on domestic affairs. As students study United States involvement in historic eras such as: Imperialism, the World Wars, the Cold War, and contemporary society; they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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W	<u>HONORS UNITED STATES HISTORY: 1877-PRESENT</u> 008415	10	1.00	Y	“B” average in Honors World History or “A” average in General World History and Teacher Recommendation
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This course is designed for students of exceptionally high ability with an interest in United States history. This course will be taught at an accelerated pace and with greater rigor and depth than the general-level course. Students should possess superior reading ability and be willing to accept the challenge of an increased workload, out-of-class assignments, and research. Students continue the chronological study of the history of the United States with emphasis on domestic affairs. As students study United States involvement in historic eras such as: Imperialism, the World Wars, the Cold War, and contemporary society; they consider the geographic, cultural, economic and governmental changes that have occurred. Students develop a deeper understanding of their role as citizens and continue to expand their command of social studies skills and methods.

	<u>GOVERNMENT & ECONOMICS</u> 008420	11	1.00	Y	Required
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This is a required class for all juniors. The course will integrate factual knowledge and concepts of government and economics, and how the two interact and affect one another. Students will examine the Constitution, the Bill of Rights, the federal system of checks and balances, the responsibilities of active citizenship, various political/economic systems, economic laws, the effect of government on the economy, and elements of personal financial responsibility. There will be an emphasis on personal and real-world application of principles learned in class. **A course fee will be required.**

W	<u>HONORS GOVERNMENT & ECONOMICS</u> 008425	11	1.00	Y	“B” average in 10th grade Honors or “A” in General U.S. History Teacher Recommendation
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This course is designed for college-bound students possessing above-average reading comprehension, writing, and analytical skills. **A course fee will be required.**

W	<u>ADVANCED PLACEMENT UNITED STATES HISTORY</u> 008430	10, 11, 12	1.00	Y	Teacher Recommendation
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This course will provide students with the analytical skills and factual knowledge necessary to deal critically with problems and materials in U.S. History. It prepares students for intermediate and advanced college-level courses. Demands are equivalent to those of a full year introductory college course.

Students will learn to assess historical materials and their importance, reliability and relevance to a given interpretive problem. The student will weigh the evidence and historical data and make interpretations. The students will develop skills necessary to arrive at conclusions based on informed judgment and to present ideas clearly and persuasively in essay format. Students are expected to take the AP examination. 10th Grade students may substitute A.P. U.S. History for U.S. History.

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
W <u>ADVANCED PLACEMENT EUROPEAN HISTORY</u> 008445	11, 12	1.00	Y	“A” average in Government/Economics and Teacher Recommendation

This course is designed to sharpen the social studies skills of the student and provide the factual knowledge of European history. The demands of this course are equivalent to a college-level introductory history class. Major time periods to be covered will be the Renaissance, the Reformation, the Scientific Revolution, the Enlightenment, the French Revolution, the World Wars, Soviet Russia, and the Cold War. Students will be required to write document based questions, complete independent reading assignments, participate in classroom discussions, and to complete college-level essay tests. Students are expected to take the AP test at the end of the year. Seniors will have priority in registering for this class.

Senior Options

<u>CONTEMPORARY ISSUES</u> 000824	12	0.5	S	None
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This course will focus on current events in the news. Students will discover the background for each topic covered and will discuss unfolding events as well as their global impact. Students will utilize the most current information available from a variety of written and electronic sources. **A course fee will be required.**

<u>GREAT RELIGIONS & THE HISTORY OF ETHICS</u> 008450	12	1.0	Y	None
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This class will examine the major religions of the world including those originating in India: Hinduism, Buddhism, Jainism, and Sikhism; those originating in China and Japan: Taoism, Confucianism, and Shinto; and those originating in the Middle East: Zoroastrianism, Judaism, Christianity, and Islam. Students will be required to demonstrate their knowledge and understanding of the world’s great religions through directed class discussions, the use of supplemental readings, and testing. This class will also study ethics from three different perspectives: an examination of how a person develops a sense of ethics; an examination of authors and philosophers and how each of them viewed the issue of ethical behavior; and an examination of historical episodes, such as the Crusades, slavery, and Vietnam, to explore how ethical decisions were involved. **A course fee will be required.**

<u>THE LAW, LITIGATION, AND COURTROOM TRIALS</u> 000817	12	0.5	S	None
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This course will examine laws that affect teenagers and adults in American society. Incorporated into the course will be the study of family, juvenile, traffic, and school law. Courtroom procedures will be taught and court cases will “go to trial” during this course. Students will also form teams and participate in the Ohio Mock Trial Competition in February. Guest speakers affiliated with the courts and law enforcement agencies will enhance the overall learning experience.

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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SOCIOLOGY
000855

12

0.5

S

None

This course will explore the interaction between humans in many societies and environments and how humans interact socially with one another. Students will explore social institutions such as the family as well as social issues such as racism and mass media. Students will also study the role that culture and subcultures play in the socialization of the individual. **A course fee will be required.**

PSYCHOLOGY
008470

12

1.00

Y

None

This course introduces the field of psychology and its basic concepts, core facts, principles, theories, research methods, and contributions to the understanding of human behavior and mental processes. Topics include personality, human development, perception, learning, memory, intelligence, social behavior, motivation, stress, and psychological disorders. The past and current theories and contributions of major psychologists are explored. This course helps students develop the capacity to critically think. From this course students will be able to think more critically and gain insight into the phenomena of their everyday lives. **A course fee will be required.**

W

HONORS PSYCHOLOGY
008475

12

1.00

Y

None

Honors credit will be offered to seniors in Great Religions and The History of Ethics, Psychology, and S.I.T.E.S. Those students choosing the honors-level courses will be taught at an accelerated pace, greater rigor and depth than the general-level courses. Higher levels of thinking and a greater use of Social Studies skills will be required. At the Honors-level, the Senior Project will be of greater length and depth. Teacher recommendation necessary to be admitted to Honors Level. The course number is on the on the Course Listing Page following this section. **A course fee will be required.**

As a part of any of the above choice, research-based projects will be required of every student. The project topics will be aligned with the content of each specific subject.

W

HONORS GREAT RELIGIONS
& THE HISTORY OF ETHICS
008455

12

1.00

Y

None

Honors credit will be offered to seniors in Great Religions and The History of Ethics, Psychology, and S.I.T.E.S. Those students choosing the honors-level courses will be taught at an accelerated pace, greater rigor and depth than the general-level courses. Higher levels of thinking and a greater use of Social Studies skills will be required. At the Honors-level, the Senior Project will be of greater length and depth. Teacher recommendation necessary to be admitted to Honors Level. The course number is on the on the Course Listing Page following this section. **A course fee will be required.**

As a part of any of the above choice, research-based projects will be required of every student. The project topics will be aligned with the content of each specific subject.

Course Title & Option #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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S.I.T.E.S. (SOCIAL INVOLVEMENT THROUGH EDUCATION AND SERVICE) COMMUNITY SERVICE LEARNING

870260

Students enrolled in this program will earn three credits—one each in English, Social Studies, and Community Service. Students become actively involved in the affairs of their community, bring these experiences back to the classroom, then reflect on, evaluate, and assimilate them into their English and Social Studies curricula. This program is open to seniors only by application and acceptance. Enrollment is limited. Upon successful program completion, student will earn 3.00 credits: 1.00 English 12 (or Honors 12), 1.00 Social Studies (either History and Politics of Community or Honors History and Politics of Community), and 1.00 Service-Learning. Students must pass the Social Studies course in order to receive credit for the Service-Learning course.

W

Honors S.I.T.E.S. (SOCIAL INVOLVEMENT THROUGH EDUCATION AND SERVICE) COMMUNITY SERVICE LEARNING

870262

Honors credit will be offered to seniors in Great Religions and The History of Ethics, Psychology, and S.I.T.E.S. Those students choosing the honors-level courses will be taught at an accelerated pace, greater rigor and depth than the general-level courses. Higher levels of thinking and a greater use of Social Studies skills will be required. At the Honors-level, the Senior Project will be of greater length and depth. Teacher recommendation necessary to be admitted to Honors Level. The course number is on the on the Course Listing Page following this section.

As a part of any of the above choice, research-based projects will be required of every student. The project topics will be aligned with the content of each specific subject.

SOCIAL STUDIES OGT INTERVENTION

000847

This course is designed for students who need intervention in order to pass the Social Studies Ohio Graduation Test. The course offers students remediation in test taking techniques, study skills, and social studies specific concepts. The class is designed to use a variety of interventions including technology, practice tests, and OGT specific materials. Students will receive one-half credit for successful completion which applies towards Social Studies requirements. This course is mandatory for students who have not met OGT standards.

Course Title & Course #	Course Grade	Credit	Length	Prerequisite and/or Recommendation
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Health & Physical Education

<u>PHYSICAL EDUCATION</u> (REQUIRED OF 9TH GRADERS)	9	.25	S	None
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000900

This coeducational physical education course is participatory in nature and will emphasize the importance of quality fitness and self-awareness of individual fitness. Some units offered are: Fitness & Nutrition, Pickleball, Basketball, Volleyball, Bowling, Flag Football, Weight Training, Tennis, Softball, Table Tennis, Track & Field, and International Sports. Students will be introduced to a substantial number of skills, along with rules, etiquette, and experiences that are found in these recreational games and lifetime activities. Students are evaluated based on participation, skill level, and content knowledge. A uniform fee will be required.

<u>PHYSICAL EDUCATION</u> (REQUIRED OF 10TH GRADERS)	10	.25	S	None
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000901

This coeducational physical education course is participatory in nature and will emphasize the importance of quality fitness and self-awareness of individual fitness. Units will include: Fitness & Nutrition, Badminton, Golf, Basketball, Volleyball, Soccer, Flag Football, Weight Training, Tennis, Softball, Track & Field, and International Sports. Students will be introduced to a substantial number of skills, along with rules, etiquette, and experiences that are found in these recreational games and lifetime activities. Students are evaluated based on participation, skill level, and content knowledge. A uniform fee will be required.

<u>PERSONAL FITNESS</u>	11-12 *see note	.25	S	Successful (“B+” or higher grade) completion of P.E. 9 and 10 and/or *instructor recommendation/approval
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000902

This coeducational elective course will emphasize personal health and fitness through participation in weight training, physical activities, nutrition, and lifetime games. This course requires a very high level of active participation.

<u>PERSONAL FITNESS II</u>	11-12 *see note	.25	S	Successful (“B+” or higher grade) completion of P.E. 9 and 10 and/or *instructor recommendation/approval
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000903

This course is a continuation of concepts learned in Personal Fitness. Students will continue participation in weight training, but will also discover anatomical concepts related to weight training. Students will also be responsible for designing and completing their own weight training program specific to their needs.

<u>HEALTH</u>	10	.50	S	None
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000904

This course examines and addresses the health related issues that affect today’s growing adolescents. The topics to be addressed will correlate with the various components of health such as: physical, mental, social, emotional, and environmental. A sampling of the topics to be covered include: personal health and habits, human growth and development, relationships, human reproduction, safety, first aid & CPR, chemical use/abuse/prevention, and diseases.



Polaris offers a wide range of exciting career-technical programs to choose from, all featuring state-of-the-art technology and training in a practical setting. **DISCOVER** the Polaris program that is right for you!



Polaris provides real world career-technical education in a high-tech learning environment. As an added bonus, you can begin earning free or reduced cost college credit before you ever step foot on a college campus – **saving money on tuition**. In addition, many Polaris programs provide you access to industry certifications. After graduation, you can go directly into the job market or capitalize on those college credit hours by continuing your education at a two- or four-year college.

College or Technical School

Nearly 70% of Polaris students who complete their two-year program pursue higher education. Students with “B” or above grades can articulate or test out of postsecondary courses based on their knowledge and skills. This saves you time and money.

College Tech Prep

Beginning August 2013, all Polaris career-technical programs will be designated College Tech Prep. College Tech Prep programs prepare you for high-skilled technical occupations, while allowing you to earn free college semester hour credit during high school. Once enrolled in a College Tech Prep program you can choose to enter the workplace after high school or continue your education at a two- or four-year college or university. College Tech Prep programs require that you maintain a “B” average in your career-technical program and pass Algebra II. Call 440.891.7732 or visit <http://www.techprep4u.com/> for additional information.

Please see the Polaris Career Center High School Catalog or visit www.polaris.edu for a description of all Polaris programs.

General Information

It is easy to apply to Polaris

- You must be 16 years of age by October 15, 2012.
- You must be in the process of meeting graduation requirements set forth by your high school.
- You need six completed credits at the time of your application or at the end of the current semester.
- Register online at www.polaris.edu.

Contact the Polaris Enrollment Office at **440.891.7732** with additional questions.

Student Fees

All programs will require fees to cover the cost of tools, uniforms, workbooks, etc. Payment plans can be established through the Polaris Treasurer’s Office. Assistance is also available to students with financial need.

Transportation

Busing to and from Polaris is provided by your school district. A \$25 Polaris parking permit must be purchased in the Main Office if you plan to drive to school.



Scheduling Options

- 1 Students may enroll in a two-year program as a junior or a senior. Seniors may take the first year of a two-year program and may return for a second year as a postgraduate at no cost.



- 2 All juniors will have priority in scheduling over seniors when starting a two-year program. Seniors will be placed in May if spaces are available.

2012-2013 Polaris Career-Technical Programs At-a-Glance

Administrative Assistant

While learning the latest office management skills, you will become proficient in Microsoft Office (Word, Excel, etc.), office procedures, records management, communication skills and basic business principles. You may enter this one year program as a junior or senior.

Aeronautics

Your career opportunities will soar as you explore the exciting field of aviation with a focus on: aeronautical studies, aeronautical systems engineering technology, air traffic control, aviation management and flight technology.



Automotive Technology

Using the latest equipment, you will learn to maintain, diagnose and service automobiles with an emphasis on brake and electrical systems, engine performance systems, transmissions, suspensions and alignments. This program also allows you to get a head start on your college education by providing you access to college credit hours.

Computer Networking Technology

Prepare for a career in Information Technology with a networking specialization. You will install, maintain, and troubleshoot operating systems/networks in a state-of-the-art setting.



Cosmetology

Learn to care for hair, skin and nails and create style and beauty in a student-run salon & spa setting. Join the *New Beginnings* salon staff and prepare for an exciting career.

Electronics & Alternative Energy

Explore the cutting-edge field of renewable energy and electronics. This program is designed to prepare you for a career as an engineer or electronics technician with a focus on new energy technology.

Heating, Ventilating & Air Conditioning

Explore this cool profession and learn to install, maintain, troubleshoot, and repair heating and cooling systems.

International Business

The International Business program at Polaris will give you an understanding of basic business and marketing concepts with an emphasis on global marketing and communications. This program is ideal for students interested in international business, marketing, business management, communications, entrepreneurship, sales and advertising.

Interactive Multimedia

Enter a world where creativity and technology merge to form interactive multimedia. Practice commercial art and advertising design fundamentals including design basics, layout, graphic drawing and production techniques, Web page design, computer animation and three-dimensional design.

Introduction to Education

This one year program is designed to prepare you for a career as an educational aide or instructional assistant. This program will serve as a spring board into this high-demand educational career path.

Precision CNC Machining

Join this innovative, high-tech career and secure your future in a high-demand/high-wage profession. Feel the satisfaction of making your own components from concept to completion using state-of-the-art Computer Numerical Control (CNC) production technology and equipment.

Welding Technology

This program will teach you the fundamentals of welding - the most common method of permanently joining metal parts. You will receive training in gas, arc, fluxcore, and MIG & TIG welding using cutting-edge technology.

Special Admissions Programs – Counselor Recommended

Building Services



Deli & Food Production
High School Job Training Programs:

- Employability Skills Lab
- Community Work Experience
- Transition to Employment

Academies

Construction Academy

Commercial Construction

Maintain, repair, construct, and remodel **commercial** buildings in a real world, practical setting. The program emphasizes the fundamentals of blueprint reading, site preparation, and training in commercial carpentry, plumbing, wiring, drywall installation, masonry, metals, curtain-walls and finishes.

Residential Construction

Maintain, repair, construct, and remodel **residential buildings** and **homes** in a hands-on setting. The program focuses on blueprint reading, site preparation, carpentry, plumbing, wiring, roofing and drywall installation.



Culinary Academy

Baking & Pastry Arts

You will learn the art of producing quality bakery products with an emphasis on decorative pastry arts. From bread production to chocolates and candies you will learn the ABCs of food and food preparation. These skills will be developed and refined in the class-managed bakery, *Mon Delice* (a French term meaning "delightful").

Chef Training

Explore basic culinary/cooking essentials and foodservice management skills in a REAL setting. You will apply your new talents in the class-managed restaurant, *Mis en Place* (a French culinary phrase defined as "everything in place"), while learning customer relations, cost controls, basic accounting principles, marketing, purchasing, inventory, teambuilding skills and communications.

Healthcare Academy



Dental Assisting

Learn to work chairside with the dentist in the care and treatment of patients. Along with the basic dental laboratory procedures, you will learn dental terminology, the use of instruments and equipment, x-ray procedures, preparation of dental materials and dental office management skills.

Medical Professions

Learn the basic clinical and administrative procedures necessary to work in a doctor's office, clinic, or hospital. Coursework includes instruction in anatomy & physiology, medical ethics, medical terminology, office procedures, medical records, and laboratory skills.

Sports Medicine

While in this program, you will learn the basics of preventing, diagnosing and treating injuries related to sports and/or exercise. Sports Medicine also offers real world experience through shadowing and clinical hours in approved healthcare facilities.

Law & Public Safety Academy

Criminal Justice

Gain exposure to the latest in law enforcement techniques using high tech equipment and instruction. During your two years at Polaris, you will be trained in the enforcement of the law and the protection of life and property in a real world setting.

Emergency Medical Technician/Fire Training

Shadow local emergency room professionals and local fire department rescue squads and learn firefighting techniques, basic anatomy, medical terminology, vital signs, patient assessment and medical report writing. This program is offered in partnership with the Cleveland Clinic Health System Western Region EMS Academy and Cuyahoga Community College Western Campus Fire Training Academy.



Career Tech Thursdays

Each winter, Polaris sponsors Career Tech Thursdays for those who are interested in a Polaris program but need more exposure to that program to make an informed decision. Career Tech Thursdays allow you to spend a half day in the program or programs (a maximum of two) of your choice. All Career Tech Thursday visits should be scheduled by your high school guidance office in coordination with the Polaris Enrollment Office. **Contact Cindy Crisler, Polaris Enrollment Coordinator, at 440. 891.7732 for additional information.**

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4 – Year Plan

Name of Student: _____

FRESHMAN YEAR

Course	Credit
English 9 _____	_____
Math _____	_____
Science _____	_____
World History _____	_____
Phys. Ed _____	_____
_____	_____
_____	_____
Total Credits	_____

SOPHOMORE YEAR

Course	Credit
English 10 _____	_____
Math _____	_____
Science _____	_____
US History _____	_____
Phys. Ed/Health _____	_____
_____	_____
_____	_____
Total Credits	_____

JUNIOR YEAR

Course	Credit
English 11 _____	_____
Math _____	_____
Science _____	_____
Gov/Econ _____	_____
_____	_____
_____	_____
Total Credits	_____
Cumulative Credits	_____

SENIOR YEAR

Course	Credit
English 12 _____	_____
Soc. St. _____	_____
_____	_____
_____	_____
Total Credits	_____
Cumulative Credits	_____

NOTES
