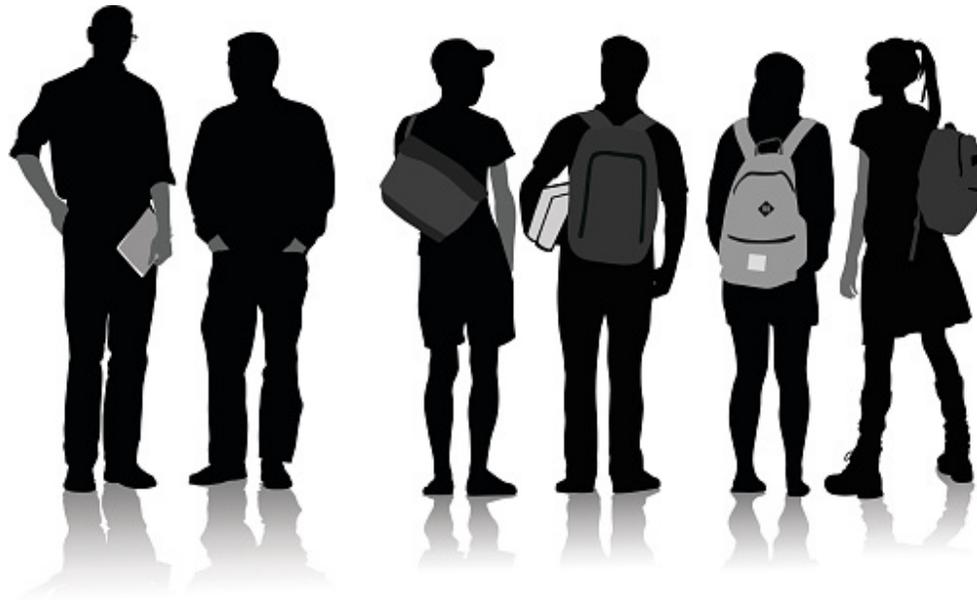


DEFIANCE HIGH SCHOOL



PROGRAM OF STUDIES & SCHEDULING HANDBOOK

2017-18

COURSE OFFERINGS & DESCRIPTIONS
REQUIREMENTS, FEES, & INFORMATION

Mission Statement

Defiance City Schools
offers quality academic instruction,
a community committed to
students beyond the classroom
and a staff invested in fostering
relationships to prepare
each student for
lifelong learning and success.

Our Vision

A diverse community inspiring excellence in each
student every day.

Value Statement

As it strives to reach its vision and accomplish its
mission through accomplishment in five goal areas,
Defiance City Schools embodies these values:

- dedication ,
- hard work,
- engagement,
- passion
- accountability,
- caring.

TABLE OF CONTENTS



Requirements for the Standard Diploma	3
Scheduling Information/Ohio Core Curriculum Opt Out Plan	4
Comparison of Diplomas w/Honors Criteria	5
DHS Eligibility Requirements	5
Admission Requirements for Ohio's Colleges	6
NCAA Academic Eligibility Requirements	6
Program Options at DHS	7-9
Extra-Curricular Activities at DHS	10

Course Descriptions by Department

Art	11-12	Marketing Education	19-20
Business	12-14	Mathematics	20-22
Communications	15	Music	23-24
Computer	15	Physical Ed. & Health	25
Engineering Technology	15	Science	25-27
English	16-18	Social Studies	27-28
Foreign Language	18-19	Work and Family Life	28-29

Requirements for the Standard Core Curriculum Diploma from Defiance High School

The Board of Education has established guidelines for the requirements that must be fulfilled before a standard diploma may be awarded. These requirements stipulate how credits may be divided among different areas of study. Additional requirements are established by the State of Ohio. Consult the table below.

Class of 2018 & Beyond		
Subject	Curriculum Requirements State Minimum Credits	Testing Requirements
English	4 credits	Testing Requirements
Mathematics	4 credits , (Algebra II or equivalent or higher)	New Ohio State Test
Science	3 credits , (1 Life, 1 Physical and 1 Advanced Science)	<i>Students will earn points on seven end-of-course exams in the following areas:</i> *English I & English II *Algebra I & Geometry *Physical Sci. OR Biology *US History *Government
Social Studies	3 credits , (1 Government and 1 US History)	<i>Students will earn points based on their performance score as follows:</i> *5-Advanced *4-Accelerated *3-Proficient *2-Basic *1-Limited
Fine Arts	1 Fine Arts Credit	Total Points Required=18
Health	½ credit	
Physical Education	½ credit	
Economics/Finance	½ credit	
Electives	4 ½ credits	
Computer & Speech	Strongly Recommended	
Total Required	21 credits	

*Book/Supplemental fees are subject to change and may vary by teacher

SCHEDULING INFORMATION

Students attending Defiance High School **MUST** schedule a minimum of **6** periods per day. At the start of each semester the Guidance Office will allow **one week to make all schedule changes**. Any changes after the initial 5 days will be issued a Withdraw Failure from the course.

Ohio Core Curriculum Opt Out Plan

Ohio's curriculum graduation requirements for students graduating in 2017-2019 include a higher-level course in math and in science. If your child is not prepared to achieve the higher-level courses, your family may choose to opt out of the high school requirements for graduation.

Graduating through the opt-out provision does limit options to go to four-year college (with the exception of Central State, Shawnee State, and Youngstown State). It means that enrollment in MOST four year colleges is not possible without first taking remedial courses at the family's cost before the student can actually start college work.

Opt-out curriculum requirements for classes of **2018 and 2019:**

Must meet all graduation requirements outlined on page 3 with these exceptions:

*Math...4 credits, 1 credit shall be of the following: probability and statistics, computer programming, applied math or quantitative reasoning.

*Science...3 credits with inquiry based lab experience and shall include one credit of biological science and one credit of physical science.

*Electives...5 credits in any area not already required for graduation.

CONTACT COUNSELOR FOR INFORMATION

***Book/Supplemental fees are subject to change and may vary by teacher**

Comparison of Diplomas with Honors Criteria

Students need to fulfill all but one criteria for any of the following Diplomas with honors

Subject	High School Academic Diploma with Honors	Career-Technical Diploma with Honors For Graduating Classes 2011 and Beyond
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units	4 units, including two units of advanced science
Social Studies	4 units	4 units
Foreign Language	3 units, including at least 2 units in each language studied	Not counted towards requirements
Fine Arts	1 unit	Not counted towards requirements
Career-Technical	Not counted towards requirements, and may not be used to meet requirements	Now counted in Electives
Electives	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry recognized credential, apprenticeship or be part of an articulated career pathway which can lead to post secondary credit
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score (excluding scores from the writing sections)*	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	Not applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

Defiance High School Eligibility Requirements

In keeping with the Board Policy that participation in athletics is a privilege, and not a right, the Student Athletic Handbook for DHS requires the following for participation in interscholastic sports:

During each quarterly grading period, the student athlete must earn a passing grade in at least 5 courses of at least 1/2 credit value, and meet at least one (1) of the following three (3) criteria:

1. Earn a grade point average of at least 1.5 on a four-point scale for the current quarter.
2. Earn a grade point average of at least 1.3 on a four-point scale for the previous quarter.
3. Hold a cumulative (overall) grade point average of at least 1.5 on a four-point scale.

The Student Athletic handbook prescribes other conditions (e.g. - disciplinary actions) under which an athlete may become ineligible for participation. Students and parents are urged to study the academic and behavioral requirements for DHS athletes carefully. For further information consult the athletic director or OHSAA website: www.ohsaa.org. DHS website: <http://www.defiancecityschools.org/HighSchool/index.html>.

*Book/Supplemental fees are subject to change and may vary by teacher

ADMISSION REQUIREMENTS FOR OHIO'S COLLEGES

“OhioMeansSuccess The Ohio Core”

FOUR YEAR STATE UNIVERSITIES

The following minimum academic preparation is recommended for college by the Ohio Board of Regents and required by some state universities such as Ohio State, Ohio University, Kent State and others. Private colleges may have different requirements. Check with your counselor.

- * 4 years of English with emphasis on Writing
- * 4 years of Math (Alg. I, Geometry, Alg. II), one being taken during the senior year
- * 3 years of Social Studies
- * 3 years of Science (most want 2-3 yrs. of a lab science)
- * 2-3 years of the same foreign language
- * 1 year of Fine Arts

ACT Test taken at least once during junior year.

Students planning for careers in Engineering, Medicine and Architecture should take 4-5 years of Math (Alg. I, Geometry, Alg. II, PreCalculus, Calculus).

TWO YEAR TECHNICAL COLLEGES

The following academic preparation is recommended for students who plan to attend 2-year technical colleges.

- * 4 years of English
- * 4 years of Math (should include 1 yr. of Algebra)
- * 3 years of Science (Biology, Physiology or Chemistry may be required for students going into Health programs)
- * 3 years of Social Studies

Take the ACT Test at least once during junior year.

Special subjects such as Accounting, Drafting, Computer Programming, or Typing, may be desired depending on the program being pursued by the student.

Interested students and their parents can use the DHS Guidance Website to reach the Internet homepage of any college or technical school in Ohio. Each college website should have an admissions section explaining all the specific details of the admissions process for that school.

NCAA Academic Eligibility Requirements

Division I

If you enroll in a Division I college and you want to participate in athletics or receive an athletic scholarship during your first year, you must:

- Graduate from high school
- Complete these 16 core courses:
 - 4 years of English
 - 3 years of Math (Algebra I or higher)
 - 2 years of natural or physical science (including one year of lab science offered by your high school)
 - 1 extra year of English, Math or Natural or Physical Science
 - 2 years of Social Studies
 - 4 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy)
- Complete 10 core courses before your 7th semester. 7 of the 10 must be English, Math, Science or Social Studies. Once you begin your 7th semester you may not repeat or replace any of those 10 courses to improve your core-course GPA.
- Earn a at least a 2.3 GPA in your core courses.
- Earn a combined SAT or ACT sum score that matches your core – course grade-point average and test score sliding scale. See your guidance counselor for more details or go to www.eligibilitycenter.org.

***Book/Supplemental fees are subject to change and may vary by teacher**

PROGRAM OPTIONS AT DHS

Career Based Intervention

Career Based Intervention (CBI) is a program for students who may be having difficulty academically or economically and who are behind in credits. Some CBI coursework is completed through on-line instruction. These students must show a strong work effort. Students must have a job and may earn elective credit for their job. Jobs are usually in the private sector and usually pay minimum wage. Students are responsible for finding and maintaining their job. Students will earn wages and credits at the same time. Students must schedule a minimum of 4 periods.

Requirements:

- Gain and maintain employment throughout the school year.
- Provide his/her own transportation.
- Maintain good attendance and discipline.
- Satisfactorily complete academic requirements.

Students must take CBI Related on-line in addition to other classes needed to meet graduation requirements. Students may have the option of an adjusted day.

College Credit Plus

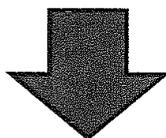
College Credit Plus (replaces Post-Secondary Options Program and all Dual Enrollment Programs) is available to **college-ready students who qualify for college admission**. This program allows students to earn college credits and high school credits while taking a college level course. College credits earned must be non-remedial and must apply toward a degree or professional certificate and therefore will need a counselor's approval. Parent and student **ARE REQUIRED TO ATTEND** an informational presentation and have high school forms of intent to participate turned in to a counselor by the deadline established at the required presentation of the current school year.

***Book/Supplemental fees are subject to change and may vary by teacher**

Northwest State Community College College Credit Plus Pathways

Sample: 15 Credit Hour Arts/Humanities and Social/Behavioral Science Pathway

Course ID	Course	CR
ENG111	Composition I*	3
	Arts and Humanities (See list below)	3
	Mathematics (See list below)	3
	Natural Sciences (See list below)	4
	Social/Behavioral Science Elective (See list below)	3



Sample: 30 Credit Hour Arts/Humanities and Social/Behavioral Science Pathway

Course ID	Course	CR
ENG111	Composition I*	3
ENG112	Composition II*	3
	Arts and Humanities (See list below)	6-12
	Mathematics (See list below)	6
	Natural Sciences (See list below)	4-8
	Social/Behavioral Sciences (See list below)	6-12

*Course available online

Course ID	Course	CR
	Arts and Humanities	
ENG223	Interpretation of Literature*	3
ENG230	Children's Literature	3
ENG240	Introduction to Poetry	3
ENG241	Introduction to Fiction*	3
ENG250	American Literature Through the Mid-19 th Century	3
ENG251	American Literature Since the Mid-19 th Century	3
ENG260	British Literature Through the 18 th Century	3
ENG271	Non-Western Literature	3
HUM209	Humanities and Cultures: Ancient and Medieval Worlds	3
HUM210	Humanities and Cultures: Renaissance to Present	3
HUM221	Music Appreciation	3
HUM230	Art Appreciation*	3
PHI110	Critical Thinking and Logic	3
PHI201	Introduction to Philosophy*	3

*Book/Supplemental fees are subject to change and may vary by teacher

PHI210	Ethics*	3
PHI230	World Religions	3
	Mathematics	
MTH109	College Algebra*	3
MTH112	Trigonometry*	3
MTH213	Calculus I	5
MTH214	Calculus II	5
STA120	Introduction to Statistics*	3
	Natural Sciences	
BIO101	Principles of Biology	4
BIO115	Ecology	4
BIO150	The Human Body*	4
BIO180	Principles of Genetics	4
BIO201	General Biology I	4
BIO202	General Biology II	4
BIO231	Anatomy & Physiology I	4
BIO232	Anatomy & Physiology II	4
BIO257	Microbiology	4
CHM101	Principles of Chemistry	4
CHM201	General Chemistry I	5
CHM202	General Chemistry II	5
CHM256	Principles of Biochemistry	3
PHY101	Principles of Physical Science	4
PHY140	Astronomy	4
PHY150	Principles of Geology	4
PHY251	Physics: Mechanics & Heat	4
PHY252	Physics: Electricity & Magnetism	4
	Social/Behavioral Sciences	
ECO211	Macroeconomics*	3
ECO212	Microeconomics*	3
GEO110	World Geography	3
GEO210	Geography – US and Canada	3
HIS101	U.S. History Pre-1876*	3
HIS102	U.S. History Post-1876*	3
HIS203	U.S. History Since 1945*	3
HIS210	The Modern World*	3
HST240	Social Problems*	3
HST242	Marriage and the Family	3
PSY110	General Psychology*	3
PSY210	Abnormal Psychology*	3
PSY220	Social Psychology*	3
PSY230	Human Growth & Development*	3
SSC101	Sociology* or	3
SSC102	Sociology for a Sustainable World*	3
SSC110	General Anthropology	3
SSC120	American Government*	3
SSC130	Comparative Government*	3
SSC210	Cultural Diversity*	3

*Course available online

*Book/Supplemental fees are subject to change and may vary by teacher

Extra–Curricular Activity Opportunities at DHS

- Clubs and Organizations -

- | | |
|--|---|
| <input type="checkbox"/> Book Club | <input type="checkbox"/> National Honor Society |
| <input type="checkbox"/> Chemistry Club | <input type="checkbox"/> Pep Club/Band |
| <input type="checkbox"/> DARE | <input type="checkbox"/> Prom Committee |
| <input type="checkbox"/> Drama Club/Music Activity | <input type="checkbox"/> Quiz Team |
| <input type="checkbox"/> FCCLA | <input type="checkbox"/> Quiz Team |
| <input type="checkbox"/> French Club | <input type="checkbox"/> Spanish Club |
| <input type="checkbox"/> Jazz Band | <input type="checkbox"/> Student Boosters |
| <input type="checkbox"/> Math Club | <input type="checkbox"/> Student Council |
| <input type="checkbox"/> Math Team | <input type="checkbox"/> Vocational Honor Society |
| <input type="checkbox"/> Mentor Program | <input type="checkbox"/> Volunteens |

- Athletics -

Fall Athletics

- Boys & Girls Golf
- Boys & Girls JV & Varsity Soccer
- Cheerleading
- Boys & Girls Cross Country
- Football
- Girls Tennis
- Volleyball

Winter Athletics

- Boys & Girls JV & Varsity Basketball
- Boys & Girls Freshman Basketball
- Boys & Girls Bowling
- Cheerleading
- Boys & Girls Swimming
- Wrestling

Spring Athletics

- Baseball Freshman, JV & Varsity
- Softball JV & Varsity
- Boys & Girls Track & Field
- Boys Tennis

***Book/Supplemental fees are subject to change and may vary by teacher**

»»» COURSE DESCRIPTIONS «««

All Art courses beyond Intro to Art **REQUIRE INTRO TO ART** as a prerequisite. Do NOT schedule any art classes if you have not yet **TAKEN** and **PASSED** Intro to Art!

ART

INTRODUCTION TO ART Credit ½ Prereq: None

This is an introductory art class that is a prerequisite for all other art courses. Students will learn ways to create successful works of art using various media, techniques, and styles. Students will also study art history to support their art creation. The course will also address aesthetics, art criticism, and the role of art in society.

Fee: \$30.00

CERAMICS I Credit ½ Prereq: Intro to Art

Introduces students to ceramics as an art form. The students will work with clay to create decorative & functional objects. They will learn clay hand building techniques and be introduced to the potter's wheel. **Fee: \$35.00**

CERAMICS II Credit ½ Prereq: Intro to Art & C in Ceramics I

An intermediate ceramics course for students wishing to develop their skills in a variety of areas: on the potter's wheel, and with decorative, sculptural, and functional hand built ceramics. **Fee: \$40.00**

CONCENTRATED ADVANCED ART I Credit ½ Prereq: Intro to Art, All related art classes in area of concentration & Instructor Approval

Students in this class choose a concentrated area of study: drawing, painting, ceramics, graphic design or photography. Area of concentration requires that students should have taken all available classes in that concentration prior to taking Advanced Art. The class is designed for students with a serious interest in art and/or those pursuing art in college. **Fee: \$7.00 - \$80.00 Instructor approval is required for this course.** (Graphic Design - \$7.00; Drawing - \$30; Ceramics - \$40; Painting - \$55; Photo - \$80)

CONCENTRATED ADVANCED ART II Credit ½ Prereq: Intro to Art, All related art classes in area of concentration & B in Concentrated Art I

Students in this class choose a concentrated area of study: drawing, painting, ceramics, graphic design or photography. Area of concentration requires that students should have taken all available classes in that concentration prior to taking Advanced Art. This class is designed for students with a serious interest in art and/or those pursuing art in college. **Instructor approval is required for this course. Fee: \$7.00 - \$80.00**

DRAWING I Credit ½ Prereq: Intro to Art

Introductory class that involves development of many basic drawing skills and techniques. Emphasis will be placed on observational drawing to increase students' ability to render realistic three-dimensional forms. Many different subjects will be explored. Media may include graphite, ebony pencil, conte, chalk & ink. **Fee: \$30.00**

DRAWING II Credit ½ Prereq: Intro to Art & C in Drawing I

Expands on techniques used in Drawing I but includes a broader range of media, including pencil, conte, dry pastels, oil pastels, colored pencils, etc. Students will explore more subject matter, and historical and cultural artists and art movements through drawing. **Fee: \$30.00**

GRAPHIC DESIGN Credit ½ Prereq: Intro to Art

Explore this area of commercial art. Learn techniques for computer aided layout, illustration, lettering, and two-dimensional design. **Fee: \$7.00**

PAINTING I Credit ½ Prereq: Intro to Art

This is an introductory painting course in which students will learn basic techniques in tempera, acrylic, and watercolors. Students will also be introduced to different artists and painting styles. **Fee: \$40.00**

*Book/Supplemental fees are subject to change and may vary by teacher

PAINTING II**Credit ½****Prereq: Intro to Art & C Painting I**

This course is designed for students wishing to advance their painting skills. Students will work with acrylics, watercolor, and some oil paint additions. They also learn how to incorporate different materials and texture into their paintings. **Fee: \$55.00**

PHOTOGRAPHY I**Credit ½****Prereq: Intro to Art**

This course covers black and white film photography as well as digital photography. Students will learn all aspects of both types of photography including camera types and functions as well as the photographic processes. In addition, students will learn about composition (i.e. taking good pictures), the history of photography, and the preparation of photographs for display. The class will explore alternative photographic processes and creative techniques, time permitting. Students must have a digital camera (point-and-shoot is acceptable) and a 35mm film camera, preferably one with adjustable controls. Please contact Ms. Keck if you have concerns or questions about the cameras. This course is open to 11th and 12th grade students only. (Limited space - first come, first served.) **Fee: \$75.00**

PHOTOGRAPHY II**Credit ½****Prereq: Intro to Art & B in Photography I**

This course is for students wishing to advance their black and white film and digital photography skills. The class will cover the same areas as Photography I on an advanced level. Students must have an adjustable 35mm film camera for this course as well as a digital camera (point-and-shoot is acceptable). Please contact Ms. Keck if you have concerns or questions about the cameras. This course is open to 11th and 12th grade students only. (Limited space - first come, first served.) **Fee: \$80.00**

3D ARTS**Credit ½****Prereq: Intro to Art**

This course takes students beyond the two-dimensional plane and helps them to take the next step into three-dimensional design. They will explore many types of sculpture and 3-D art forms, which may include weaving, tape sculpture, and assemblages. **Fee: \$40.00**

2D ARTS**Credit ½****Prereq: Intro to Art**

This course is designed for students to explore a variety of two-dimensional art media and techniques. These may include drawing, printmaking, paper arts, scratch art, and batik. **Fee: \$30.00**

Introduction to Jewelry**Credit ½****Prereq: Intro to Art**

This is a basic handmade jewelry class. Students will study craftsmanship, function of jewelry, and care of equipment. The class will emphasize the application of various materials used in decorative jewelry arts. Several design approaches and methods will be used in the making of various forms of jewelry. **Fee: \$45.00**

Moved from Business to Art**Yearbook Design & Production****Credit 1****Grades 9,10,11 & 12****Prereq: B in English, Photography recommended, instructor's permission.**

This course offers students actual hands-on experience in designing and producing the high school yearbook, Panorama. Emphasis is placed on design concepts, copywriting, digital photography techniques, word processing, desktop publishing and the selling of advertisements to businesses.

BUSINESS**Introduction to Business****Credit 1****Grades 9,10,11 & 12****(Will meet Econ/Finance graduation requirement)**

This course will serve as an introduction to Business subjects and deals with economics on a personal level. Special emphasis is placed on helping students to be wise consumers and efficient managers of personal, business, and financial affairs. Units covered will include car buying, cost of credit, interview for a job, income tax procedures, check writing, investments, insurance and exploration of career opportunities with emphasis on business.

***Book/Supplemental fees are subject to change and may vary by teacher**

Accounting I **Credit 1** **Grades 10, 11, 12**
Interested in business, banking, finance, securities, or accounting as a career? Knowledge of generally accepted accounting principles for proprietorships, partnerships, and corporations is essential for basic understanding and success. Students will also be introduced to computerized accounting applications. Workbook required.

Accounting II **Credit 1** **Prereq: Accounting I**
Specifically intended for the career-oriented student seeking to expand their knowledge base with emphasis on accounting processes and financial statement analysis. Corporate accounting procedures will be stressed while using computer software. Workbook required. *Students maintaining an "A" average in both Accounting I and II will have the opportunity to be in an advanced accounting course at Northwest State Community College.

Business Law **Credit ½** **Grades 10,11 & 12**
Interested in a career in business, legal counsel, or law enforcement? Students will study laws such as basic crimes and torts, contract elements, and minor's rights and responsibilities. In addition, family laws regarding marriage, divorce, and wills are introduced along with how to seek legal advice. Leaders from the community will make guest presentations and a field trip to municipal court will supplement the text.

Business Computer Literacy **Credit ½** **Teacher Approval**
Students will be assigned extensive practice in various forms of writing appropriate to business and industry. Students will format business documents using Microsoft Word, saving documents and printing hard copies. Students will also learn how to create basic slideshows using computer graphics in conjunction with Microsoft Office PowerPoint. In addition, students properly manage their computer files. They will continue to use their keyboarding skills to efficiently, effectively and in a timely manner, prepare documents that will be used in the operation of everyday business.

Computer Applications I **Credit ½** **Prereq: None**
Students will focus on Microsoft Word, Excel, PowerPoint and will touch on the basics of PhotoShop. This course is the foundation for both Computer Applications II and Web Page Management.

Computer Applications II **Credit ½** **Prereq: C in Computer Appl. I**
This course is a continuation of Computer Applications I with learning advanced skills in Microsoft Word, Excel and PowerPoint during the first nine-week quarter. During the second nine-week quarter, students will enhance their skills using I-Photo, advanced Adobe Photoshop as well as their web page design skills.

Economics **Credit ½** **Grades 10,11 & 12**
(Meets Econ/Finance graduation requirement)
Economics is an alternative for the college-bound or business-oriented student who wants a broader knowledge of the competitive private enterprise systems. Students will study the theoretical and practical aspects of the market economy, money and banking, labor and management relations, government revenues, expenditures and regulations, investments and the stock market, and foreign economic systems.

Typing/Word Processing I **Credit ½** **Grades 9,10,11 & 12**
Everyone needs good keyboarding skills to operate a computer effectively with emphasis on touch-key method using correct techniques. Word processing applications include formatting letters, reports & simple tables.

Typing/Word Processing II **Credit ½** **Grades 9,10, 11 & 12**
Prereq: "C" in Typing/Word Processing I (30 wpm)
Become proficient in word processing using Microsoft Word to correctly format various types of business communications. Upon successful completion, skills will allow for application for basic entry-level positions requiring word processing skills for part-time employment.

*Book/Supplemental fees are subject to change and may vary by teacher

COMPUTER

COMPUTER PROGRAMMING

Credit ½

Prereq: B in Algebra

Students will be given an introduction to Computer programming. Students will use this structured language to program the computer to solve everyday problems.

TECHNOLOGY OFFICE EXPERIENCE

Credit ½

Prereq: Permission from instructor

Students will be expected to learn and apply procedures needed to run the Technology Office. These procedures include installing and upgrading software and hardware in high school computer labs and classrooms. Students will also assist in maintaining the network and maintaining accurate records of all updates and acquisitions.

ENGINEERING TECHNOLOGY - Dual Enrollment with Northwest State Community College

CADD is a 2-year College Credit Plus Program. Students who enroll in CADD I are REQUIRED to enroll in CADD II the second semester and CADD III their senior year. Failing to do so negates the college accreditation.

CADD I

Credit 1 HS/4 Semester Hours College Credit

Junior Prereq.

Juniors only with a minimum 2.5 grade point average. Recommendation of instructor. Minimum C grade in algebra. 90% attendance. Early Bird Class 7:30 – 8:50 One Semester. 21 minimum ACT score or ACCUPLACER Reading of 60

This is a course in the fundamentals of Computer-Aided Design, utilizing state-of-the-art microcomputer hardware and AutoCADD application commands. Gives the student the opportunity to become proficient, in a hands-on environment, in developing fundamental 2D drawings and utilizing an industrial quality CADD system. This course can be taken for college credit towards an Associate's Degree as a CADD technician.

CADD II

Credit 1 HS/4 Semester Hours College Credit

Junior Prereq.

Juniors only with a minimum 2.5 grade point average. Recommendation of instructor. Minimum C grade in algebra. 90% attendance. Early Bird Class 7:30 – 8:50 One Semester.

This course is a continuation of CADD I. This course is designed for exploring the advanced in-depth commands available in AutoCADD and to develop engineering & architectural drawings utilizing MicroCADD Systems. Having mastered the fundamentals of CADD I, the student will progress to the more advanced commands and design features of the software packages. The goal of this course, in combination with its prerequisites, is to attain proficiency in the operation of microcomputer based AutoCAD systems. Complex drawings will be produced, utilizing the capabilities of high speed plotting equipment for finished work and HP Laser Jet printers for draft quality.

CADD III

Credit ½ HS / 4 Semester Hours College Credit

Seniors only

Students meet **one** period per day for **one semester**. Prereq. 2.5 minimum grade in CADD II. CADD III is a course in 3-dimensional design. Students will be working in a hands-on environment utilizing SolidWorks 3D feature-based parametric solid modeling design tool software. The student's goal will be to become proficient in the operation of a state-of-art 3D CADD system in developing industrial-type drawings. Students will learn the software commands, the drafting standards, and the engineering terminology necessary in developing and plotting advanced 3D models, 2D detail drawings and 3D assembly drawings as used in today's modern industries. Students will have the opportunity to manipulate 3D solid objects in space and learn how to link their 3D models to develop detail drawings, assembly drawings, design tables and bill of materials.

INTRODUCTION TO ENGINEERING TECHNOLOGY – Credit ½ HS/ 3 Semester Hours College Credit (new Title)

Students meet **one** period per day for **one semester**. Prereq. 2.5 minimum grade in CADD III first semester. In this course, the final stage of the engineering curriculum, the student will apply knowledge obtained in all previous course work to do advanced project designs and processes. A Senior Project is required utilizing design teams to solve a problem that is subject to professional engineer critiquing. Utilization of a 3D printer is introduced to design and prototype products that would eventually be considered for industrial production.

***Book/Supplemental fees are subject to change and may vary by teacher**

ENGLISH

Students are required to take four years of comprehensive yearlong English courses. The courses within this requirement are numbered in the order for which you should take them.

ENGLISH 9 **Credit 1** **Required for Grade 9 – STEP 1**

This yearlong, required course is an introduction to literature, and students will study short stories; poetry; nonfiction; drama; and the novel, incorporating literary terms; poetic devices; and vocabulary development, as well as grammar review and reinforcement. Homer's *Odyssey* and Shakespeare's *Romeo and Juliet* will be studied, along with a critical thinking unit. Testing-related topics covered will include formula writing, the elements of an essay, reading strategies, and the eight parts of speech. A short research paper in MLA style is required. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

HONORS ENGLISH 9 **Credit 1** **Prereq:–Must have a “B” or higher in Eng. 8**

Accelerated English 9 curriculum with additional readings, novels, and an additional play. This course will incorporate a more extensive literary analysis approach. Summer reading is required. Testing-related topics covered will include formula writing, the elements of an essay, reading strategies, and the eight parts of speech. A short research paper in MLA style is required. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

ENGLISH 10 **Credit 1** **Prereq: English 9 – STEP 2**

This yearlong, required course is the second step in the English curriculum, providing an extension of literary terms and writing skills already introduced in English 9. Students will study short stories, poetry, nonfiction, drama, novels, literary terms, MLA writing style, various essays, a formal research paper, vocabulary development, and grammar reinforcement. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

HONORS ENGLISH 10 **Credit 1** **Prereq: B in Hon. English 9 – STEP 2**

This course is an accelerated version of English 10 and will incorporate additional novels, plays, and literary analysis papers. Students will be required to complete a significant amount of reading and writing to prepare for the Advanced Placement Exam, which will be taken after the completion of AP English at the end of senior year. Summer reading is required and reliable Internet access is highly recommended. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

ENGLISH 11 **Credit 1** **Prereq: English 10 –STEP 3**

This yearlong required course is the third step in the English curriculum and examines the social, political, religious, and philosophical influences, which have contributed to the development of American literature. The study includes major literary periods-Puritan through modern. A short research paper in MLA style will be required. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

HONORS ENGLISH 11 **Credit 1** **Prereq: B in Honors English 10 – STEP 3**

Accelerated English 11 curriculum, which engages students in careful reading and critical analysis of American literature. Students will be expected to do a significant amount of reading and writing to prepare for the Advanced Placement Exam, which will be taken after the completion of Senior AP English. Summer reading is required. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

***Book/Supplemental fees are subject to change and may vary by teacher**

ENGLISH 12 **Credit 1** **Prereq: C or lower in English 9,10,11- STEP 4**

The course will provide a study of significant authors and their works in drama, fictional novels and nonfiction contemporary writers for the non-college bound student. A short research paper will be required using MLA style, as well as shorter papers that analyze the various writings. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

COLLEGE PREP ENGLISH 12 (CPE) **Credit 1** **Prereq: Eng. 9,10,11-STEP 4**

A senior class designed to prepare students for college. The class will study major British writers, as well as contemporary writers. A Shakespeare play and a modern British novel will supplement the text. Students will make a transition from writing short analytical and persuasive papers to a longer research paper in the MLA style and APA style as a required assignment. All compositions are required assignments. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

ADVANCED PLACEMENT (AP) LITERATURE & COMPOSITION 12 **Credit 1 Prereq: Honors English 9,10 or 11 or instructor approval – STEP 4**

This course is designed to be an introductory college level course that engages students in careful reading and critical analysis of imaginative literature. Literary terms expected to be on the Advanced Placement Exam will be covered, as well as critical analysis of each novel or play studied. The students will maintain a writing journal for short, in class essays. Several analytical papers and oral presentations will be required. Reading assignments will be substantial and varied but not overwhelming. The course is followed by the AP Exam scheduled in May; students are encouraged to take the exam. Summer reading is required.

***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

CREATIVE WRITING **Credit ½** **Elective 9, 10, 11, 12**

In this semester long course, the main focus will be on creative writing for publication purposes. Students will write on a daily basis on various prompts. Writing assignments will cover persuasion, narration, writing to inform, letters, poetry, and short stories. Students will be required to submit to and publish the Alive And Kicking literary magazine; as well as to participate in a local writing contest.

Gothic Horror Literature **Credit ½** **Elective Prereq: English 9**

This course is for sophomore, junior and senior students looking to supplement their coursework in English. It is a semester long class. From vampires to terrifying clowns and haunted mansions to supernatural hotel, this course will examine the elements and history of gothic and horror literature. This course will also explore the connection between culture and literature by analyzing the origination and development of the gothic literary genre. Aside from reading novels, short stories, essays, and poems, we will also be viewing films, art and architecture that reflect the gothic and horror tradition.

***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

SPEECH **Credit ½** **Elective 11, 12**

This class will explore the elements and principles of effective interpersonal and group communication in the modern world. The class will highlight different approaches to public speaking and the communication process. Oral presentations, both individual and small group will be emphasized.

***Book/Supplemental fees are subject to change and may vary by teacher**

MYTHOLOGY**Credit ½****Prereq.= C in English required****Elective 10, 11 & 12**

Mythology is a semester long, reading-intensive course designed to give students an introductory knowledge of various cultures, gods, and other worldly beings. Some units of study include: Greco-Roman, Egyptian, Central American, African, Chinese, Nordic, Celtic, and Native American. Students are required to complete a research presentation, read two novels, and complete an end of unit project, along with course readings and other various activities. ***Required Novels will be available for purchase from the Book Store or E-Store. Prices will vary. Fees will be assessed when purchased.**

FOREIGN LANGUAGES**FRENCH I****Credit 1****Prereq: C in English**

French I is a visual-audio-lingual program that offers maximum opportunities for successful learning of French. Through various projects, students will practice communicating in French about topics such as family, hobbies, holiday celebrations and the Francophone world. It is a very interactive course developed to allow students to be able to hold basic conversations by the end of the year.

FRENCH II**Credit 1****Prereq: C in French I**

Building on the vocabulary and grammar learned in French I, French II learners will continue to learn about France and its culture through the use of projects designed to explore grammar in the past, present, and future. Students will have learned grammar and vocabulary that will facilitate true communication in French.

FRENCH III**Credit 1****Prereq: C in French II**

Students will be immersed in French to create a "little France" here at DHS ! Using the skills learned in the first two levels, students will be able to read, write, and speak in French more easily through daily practice. Interesting stories taken from the Francophone world and texts about the history of France and its people will provide the base for discussions all in French! Grammar will be reviewed and expanded to prepare students for French in college.

FRENCH IV**Credit 1****Prereq: C in French III**

A continuation of French III, this exciting course will fully prepare students for French in college. French history up to the French Revolution will be discussed as well as several short stories. Students will be expected to read, write, and speak in French on a daily basis. French IV will be offered only if there is adequate enrollment.

SPANISH I**Credit 1****Prereq: C in English**

Spanish I is a visual-audio-lingual program that offers maximum opportunities for successful learning of Spanish language and culture. Through various projects, students will practice communicating in Spanish about topics such as family, hobbies, holiday celebrations and the Spanish-speaking world. The culture includes exploring the job market, foods, games, and crafts that include making a piñata. It is a very interactive course developed to allow students to be able to hold basic conversations by the end of the year.

***Total Cost for Course/Books range from \$10 - \$15.00.**

SPANISH II**Credit 1****Prereq: C in Spanish I**

Building on the vocabulary and grammar learned in Spanish I, Spanish II learners will continue to learn about Spanish countries and their culture through the use of projects designed to explore grammar in the past, present, and future. Students will have learned grammar and vocabulary that will facilitate true communication in Spanish. ***Total Cost for Course/Books range from \$10 - \$15.00.**

***Book/Supplemental fees are subject to change and may vary by teacher**

SPANISH CULTURE**Credit 1/2****Prereq: Spanish II**

This semester-long class is offered to individuals who have an interest in learning more about the representative cultures of the Spanish-speaking world. Students will develop their reading comprehension in Spanish while learning about Spain and Spanish America. While the class will be taught in English there will be some readings in the target language. Specific topics covered in this class include: history, culture, language, and representation of culture such as film, art, literature, music and food.

SPANISH III**Credit 1****Prereq. C in Spanish II**

Using the skills learned in the first two levels, students will be able to read, write, and speak in Spanish more easily through daily practice. Interesting stories completely in Spanish will be read. Grammar will be reviewed and expanded to prepare students for Spanish in college.

***Total Cost for Course/Books range from \$10 - \$15.00.**

SPANISH IV**Credit 1****Prereq: C in Spanish III**

A continuation of Spanish III, this exciting course will fully prepare students for Spanish in college. Spanish language, history, and culture will be discussed in more depth as well as exploring several short stories. Students will be expected to read, write, and speak in Spanish on a daily basis. Spanish IV will be offered only if there is adequate enrollment.

***Total Cost for Course/Books range from \$10 - \$15.00.**

SPANISH V**Credit 1****Prereq: C in Spanish IV**

Spanish V students will continue writing, speaking, and reading Spanish. The students will review and expand into an advanced study of language and culture. They will demonstrate their command of the language and culture with skits and written and oral compositions. The students will study the diversity of the Hispanic world and its effects on the United States. Spanish V will be offered only if there is adequate enrollment.

ADVANCED PLACEMENT (AP) SPANISH**Credit 1****Prereq: B in Spanish III or IV**

This course is a prerequisite to students who wish to take the Advanced Placement test at either the end of this course, or the following year. In order to receive credit for this course, students must take the AP exam. It is strategically designed to complete grammar instruction coupled with review & complete the numerous tenses and associated skills necessary to proceed at an advanced level. Only Spanish is used at this level. Writing skills will be developed & vocabulary acquisition will continue. Culture elements are presented in the readings as well as predetermined vocabulary segments. A course syllabus has been designed and approved by the College Board for the final year, contingent on the taking of the exam. This can & may be a sequential class as to be determined by skill levels presented.

MARKETING EDUCATION

The Marketing Education Program/DECA is a two-year curriculum with a concentration in Business, Economics, Management, Entrepreneurship, and Marketing. With acceptance from the instructor, juniors enroll in Marketing Principals and seniors enroll in Marketing Applications. Seniors also enroll in the Marketing Capstone, which provides a "hands-on" experience of the marketing curriculum. Senior students must schedule a minimum of four periods per day. Students that complete Marketing Principles, Marketing Applications and the Marketing Capstone will receive three (3) credits from Northwest State Community College and fulfill the DHS Economics/Finance requirement.

***Book/Supplemental fees are subject to change and may vary by teacher**

Marketing Principles One (1) Credit (Accepted juniors only)

This is the first course in the marketing education program, and it introduces students to the specializations offered in business, economics and marketing. Students will obtain fundamental knowledge and skills in economics, business foundations, marketing mix, marketing communications, marketing management, marketing research, merchandising and professional selling. Additionally, students will gain knowledge and skills in marketing strategies, marketing identification techniques, employability skills, business ethics and law, economic principles and international business. Technology, leadership and communications will also be incorporated through classroom activities. Students are required to join DECA, which emphasizes community orientation, academic preparation, professional responsibility and experienced leadership. Workbook fee: \$16

Marketing Applications One (1) Credit (Accepted seniors only)

Students will continue the study of the marketing mix and develop and implement marketing strategies and techniques relating to channel management, marketing research, market planning, pricing, product management and branding. Students will also use marketing operations procedures and activities to ensure marketing efficiency and effectiveness, and they will predict economic trends and conditions and determine how cultural intelligence can impact organizations. Technology, employability skills, leadership and communications will be incorporated through classroom activities. Additionally, students will learn personal finance concepts through Dave Ramsey's *Foundations of Personal Finance*. Students are required to join DECA, which emphasizes community orientation, academic preparation, professional responsibility and experienced leadership.

Marketing Capstone One (1) Credit (Accepted seniors only)

Students will apply knowledge, attitudes and skills that are learned in a Marketing Program in a more comprehensive and authentic way in this capstone course. Capstones often include project-/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience and/or shadowing experience. This course can be delivered through a variety of delivery methods including cooperative education and apprenticeship, business-based projects, school store experiences, etc. Students will work with the instructor to develop a unique capstone experience according to individual career objectives.

MATHEMATICS

Algebra I – A Credit 1 TEACHER RECOMMENDATION ONLY

THIS COURSE HAS LIMITED CAPACITY AND IS FOR REMEDIATION PURPOSES ONLY

An integrated Algebra course designed to match Ohio's Learning Standards in Mathematics, as well as prepare the students for Ohio's required state tests. Topics of study will include: writing and simplifying expressions, writing and solving linear equations, graphing and manipulating linear functions, working with equations of linear functions and solving linear inequalities. Please note that very few students will be taking this course at DHS. The only way to get assigned to this class is teacher recommendation. This course will likely be the course taken by freshmen.

Algebra I – B Credit 1 Prereq: Algebra I - A

THIS COURSE HAS LIMITED CAPACITY AND IS FOR REMEDIATION PURPOSES ONLY

An integrated Algebra course designed to match Ohio's Learning Standards in Mathematics, as well as prepare the students for Ohio's required state tests. Topics of study will include: solving systems of linear equations and inequalities, exponents and exponential functions, quadratic expressions and equations, quadratic functions and equations and radical functions and geometry. Please note that this course will likely be the course taken by sophomores that have already completed Algebra I – A.

***Book/Supplemental fees are subject to change and may vary by teacher**

Algebra I **Credit 1** **Prerequisite: C or better in 8th grade Math**

First year integrated algebra course designed to match the new Ohio Learning Standards as well as prepare the students for the Ohio's required state tests. Topics will include: writing and simplifying expressions, writing and solving linear equations, graphing and manipulating linear functions, working with equations of linear functions and solving linear inequalities, solving systems of linear equations and inequalities, exponents and exponential functions, quadratic expressions and equations, quadratic functions and equations and radical functions and geometry. *Please note that this course will likely be the course taken by freshman (some, however may start with Geometry.)*

GEOMETRY **Credit 1** **Prereq: Algebra I or Algebra 1B**

A first year integrated geometry course designed to match the State Standards for Ohio as well as prepare the students for the Ohio's required state tests. Topics of study will include formal definition of geometric figures, as well as theorems involving lines, angles, triangles, and quadrilaterals, similar and congruent figures, trig ratios, and other polygons and proofs.

HONORS GEOMETRY **Credit 1** **Prereq: B or Above in Algebra I**

A first-year integrated geometry course designed to match the Ohio Learning Standards for Ohio as well as prepare the students for the Ohio's required state tests. Students should expect an accelerated pace and a more in-depth analysis and application of topics which will include formal definition of geometric figures, as well as theorems involving lines, angles, triangles, and quadrilaterals, similar and congruent figures, trig ratios, and other polygons and proofs.

ALGEBRA II **Credit 1** **Prereq: Geometry and Algebra I or Algebra IB**

A second year algebra course designed to match the Ohio Learning Standards for Ohio. Students will explore first degree equations and inequalities, as well a matrices, higher order polynomials, advanced functions and relations, a thorough study of Trigonometry, as well as an introduction to probability and statistics.

HONORS ALGEBRA II **Credit 1** **Prereq: B in Honors Geometry or A in Geometry**

A second-year algebra course designed to match the Ohio Learning Standards for Ohio. Students should expect an accelerated pace and a more in-depth analysis and application of concepts such as first degree equations and inequalities, as well a matrices, higher order polynomials, advanced functions and relations, a thorough study of Trigonometry, as well as an introduction to probability and statistics.

PROBABILITY/STATISTICS **Credit 1/.05 per semester** **Prereq: Algebra II or higher, or concurrently with Alg. II with instructor's approval. NOTE: This is an elective class, but it is highly recommended for those students who are planning to attend college. Also, this course can be taken concurrently with Calculus/Pre-Calculus.**

Probability topics include games of chance, conditional probability, combinations/permutations, and the use of probability to make decisions. Statistical topics include collecting and organizing data, graphs and charts, central tendencies, sampling, hypothesis testing, and computer solutions. In addition review/preparation of Mathematics portion of the ACT will be covered at the start of this course. This course provides excellent preparation for post high school degrees in business, education, psychology, engineering, mathematics, medicine, and the sciences.

PRE-CALCULUS **Credit 1** **Prereq: Algebra I, Geometry, & Algebra II**

Pre-calculus course designed to match the State Standards for Ohio. Topics include relations, functions & graphs of functions of varying degrees, a thorough study of Trigonometry, advanced functions & graphing, including polar coordinates, exponential and logarithmic functions & an introduction to basic topics of Calculus.

***Book/Supplemental fees are subject to change and may vary by teacher**

HONORS PRE-CALCULUS **Credit 1** **Prereq: B or Above in Honors Algebra II**

A pre-calculus course designed to match the State Standards for Ohio. Students should expect an accelerated pace and a more in-depth analysis and application of topics including relations, functions and graphs of functions of varying degrees, a thorough study of Trigonometry, advanced functions and graphing, including polar coordinates and exponential and logarithmic functions, and an introduction to basic topics of Calculus.

CALCULUS **Credit 1** **Prereq: Pre-Calculus or Honors Calculus**

A first year calculus course designed to match the Ohio Learning Standards for Ohio. Students in this course will cover approximately 2/3 of the topics required by the AP Calculus curriculum.

AP CALCULUS **Credit 1** **Prereq: B or Above in Pre-Calculus or Honors Calculus**

An accelerated calculus course designed to match the Ohio Learning Standards for Ohio and prepare students for the Advance Placement Calculus test. Students enrolled are **required** to take the AP test in May and thus may earn college credit if mastery is demonstrated.

SENIOR MATH **Credit 1** ***TEACHER RECOMMENDATION ONLY**

**This Course is intended for students NOT planning on attending college, and is available through Teacher Recommendation ONLY.*

In this course, students will use mathematics and statistics to analyze and describe processes and situations in mathematical models to be used in predictions and decision-making. Analytical models involving variables and their functional relationships will be developed, often using technology such as graphing calculators and computers to gather data, create representations analyze data, and explore relationships between variables. Problem based learning of mathematical modeling of real life processes and situations will be emphasized. Students will gain a deeper understanding of mathematical modeling and functions while improving and expanding their problem solving practices.

In regards to Calculators, **EVERY CLASS WILL REQUIRE AT LEAST A SCIENTIFIC CALCULATOR**. However, for the more advanced courses, a Graphing Calculator is recommended, and in some cases, required. Rough estimates of costs: Scientific Calculators should be somewhere in the \$10 - \$20 range, while graphing calculators are approximately \$100. A summary of what each class may need is as follows:

For all Algebra I's and Geometry – scientific calculator will suffice (*TI-30 Family is recommended*)

For Algebra II/Honors Algebra II – scientific calculator will suffice, but sophomores should strongly consider a graphing calculator for courses to follow (*Texas Instruments TI-84 Family is best*)

For Senior Math – a graphing calculator WILL BE PROVIDED TO YOU – however, you are financially responsible should something happen to this calculator

For Pre-Calculus and Calculus (AP and Regular) – graphing calculator is **required** (*Texas Instruments TI-84 Family is best*).

***Book/Supplemental fees are subject to change and may vary by teacher**

MUSIC

INSTRUMENTAL MUSIC

The Instrumental Music Department offers several performing ensembles that receive credit and have a course of study:

MARCHING/CONCERT BAND MARCHING/SYMPHONIC BAND AUXILIARY BAND JAZZ BAND PEP BAND

Band is a yearlong course. All instrumentalists are enrolled in Marching Band for the first quarter and then placed in Concert Band or Symphonic Band for quarters 2-3-4. Enrollment is based on the director's recommendation and students will be assigned during spring of the previous year. The band courses are as follows:

BAND (Marching/Concert or Marching/Symphonic) Credit 1 Grades 9, 10, 11, 12

All instrumentalists sign up for this band course number to be enrolled for the marching and concert seasons. Students will be assigned to the Concert Band and Symphonic Band by the director based on playing ability and musicianship demonstrated during the winter and spring seasons of the prior year. Any students placed in the Symphonic Band that would like to also enroll in the Concert Band need to speak with the director to make arrangements.

JAZZ BAND Credit ½ Grades 9, 10, 11, 12

The jazz ensemble is open to all grade levels and must consist of members currently enrolled in the band program. The class meets two days a week after school.

PEP BAND Credit ¼ Grades 9, 10, 11, 12

The pep band is open to all students currently enrolled in the band program. The pep band typically performs at 10-12 Basketball games. (Pep band members playing at the game are admitted at no cost.) Rehearsals are usually prior to the game. Students joining pep band for credit must be at 80% of the rehearsals & performances.

AUXILIARY BAND Credit ¼ Grades 9, 10, 11, 12

This course is for the Flag and Majorette personnel who do not play an instrument and the equipment managers. No credit is given to equipment personnel. This class meets for the first quarter only.

VOCAL MUSIC

WOMEN'S CHORUS Credit 1 Prereq: Voice Placement

Women's Chorus is open to female students in grades 9-12. All freshmen female students will be placed into Women's Chorus. Students are instructed in the basics of proper singing, vowel/tone production, breath support, posture & sight-reading. Performance at the Fall Concert, Christmas Show, District & State Contest and Spring Concert are a mandatory requirement and part of the overall grade. Students will be assessed a yearly uniform fee.

MEN'S CHORUS Credit 1 Prereq: Voice Placement Audition

Men's Chorus is open to male students in grades 9-12. All freshmen male students will be placed into Men's Chorus. Students are instructed in the basics of proper singing, vowel/tone production, breath support, posture & sight-reading. Performance at the Fall Concert, Christmas Show, District & State Contest and Spring Concert are a mandatory requirement and part of the overall grade. Students will be assessed a yearly uniform fee.

***Book/Supplemental fees are subject to change and may vary by teacher**

A CAPPELLA CHOIR**Credit 1****Prereq: Voice Audition and Director Approval**

A Cappella Choir is a mixed, auditioned ensemble for students grades 10-12. Students who are selected must demonstrate advanced musical aptitude, strong discipline and work ethic, and a desire to work as a part of an exceptional choral organization. The A Cappella Choir has a legacy of excellence in choral singing.

Performances include: annual Fall, Christmas & Spring concerts, District & State Contests and DCS Night of the Arts - these are a mandatory part of the course requirement. Other performances are possible and probable. Students will be assessed a yearly uniform fee. Auditions will take place in the spring of each year for the subsequent school year.

VARSITY BLUES**Credit ½****Selected by audition**

Varsity Blues are a mixed ensemble selected by audition. Any student in Women's Chorus or A Cappella Choir may audition for Varsity Blues. The ensemble performs a variety of choral music including pop, jazz & musical theatre as well as more advanced choral literature. Rehearsals are by arrangement outside of the regular school day. Varsity Blues performs for a number of community events on an annual basis. Students selected for the ensemble must be willing to make the necessary time commitment for rehearsals & performances & have non-school transportation available to and from rehearsals & certain performances.

GENERAL MUSIC STUDIES**INTRODUCTION TO MUSIC THEATER****Credit ½**

Introduction to Musical Theater will be offered in the fall semester only and is open to any student in grades 10-12. Students will learn about the development of the musical theatre with its beginnings in ancient cultures to its current form in today's modern world. Students will experience a wide variety for music and theatre styles. A solid background in writing and grammar skills is recommended.

HISTORY & DEVELOPMENT OF POPULAR MUSIC**Credit ½**

History & Development of Popular Music is a course designed to study the genre of popular music in the 20th century & modern era. Students will explore how pop music evolved through its numerous forms & styles with discussion about social & cultural events, movements & idea that affected its growth. Technological inventions and innovations throughout the 20th century and their application to popular music's growth will be explored.

CLASSICAL MUSIC FOR THE NOVICE**Credit ½ (1 semester)**

Classical Music for Novice is a class for students who wish to explore the rich history of music over the past 2000 years. It is designed primarily for students who aren't currently in a performance music class or art class but can be taken by anyone with an interest in music history. Students will learn about each of the historical time periods of classical music, the major composers of those times, their representative pieces of music and the types of instruments and ensembles that are used to make classical music. Students will learn how classical music is an integral part of their everyday life and influences the styles of modern popular music.

ADVANCED MUSIC STUDIES**MUSIC THEORY****Credit ½****Prereq: Instructor Approval**

A class designed for those students thinking about majoring in music. A working knowledge of the keyboard is helpful but not necessary. Topics to be studied include: pitch notations, rhythm, intervals, scales, key signatures, chords, and melody writing. **This class should be a consideration for the more serious music student and is only offered during the first semester!**

*Book/Supplemental fees are subject to change and may vary by teacher

PHYSICAL EDUCATION AND HEALTH

PHYSICAL EDUCATION 9 **Credit ¼** **Required**

401 Physical Education is taken either 1st or 2nd semester by Freshmen. (Co-ed)

PHYSICAL EDUCATION 10 **Credit ¼** **Required**

411 Physical Education is taken either 1st or 2nd semester by Sophomores. (Co-ed)

PHYSICAL EDUCATION 11-12 **Credit ¼** **Grades 11, 12 Prereq: 401&411**

This one-semester course is designed for students who have **successfully completed their two required PE classes with a B or better**, but who have a continuing interest in physical education and personal fitness. Daily activities will stress lifelong sports, aerobic conditioning, and the foundations of personal fitness. Students will be required to develop a written personal fitness plan. (Co-ed) Course may only be taken once.

HEALTH **Credit ½** **Prereq: None**

Health deals with the physical, mental, and social well being of the individual. It is not only concerned with how our bodies function, but why they react as they do in certain situations. Topics vary from anatomy, smoking, drugs, mental health and social problems, to the moral, social, and physical aspects of sex in today's world. In general, the health course will attempt to explain and discuss various topics of interest and concern in regard to the future development of teenagers and adults.

SCIENCE

The following courses will be counted as lab sciences. Due to the new Ohio learning standards, incoming 9th graders will be required to take Science their 9th grade year & Biology their 10th grade year.

PHYSICAL SCIENCE **Credit 1** **Grades 9 – 12**

Physical Science studies atoms and the periodic table, properties of matter and energy, forces and motion, and the structure of the universe. This course is designed to prepare students for the state required test. **Lab Fee: \$10.00**

HONORS PHYSICAL SCIENCE **Credit 1** **Teacher Recommendation**

Honors Physical Science is recommended for college-bound students. Freshmen must have an A or high B and teacher recommendation in 8th grade Science. Honors Physical Science studies atoms and the periodic table, properties of matter, energy, forces and motion, and the structure of the universe. This course emphasizes problem solving and critical thinking skills. Several oral/research papers will be expected and some material will be examined in greater detail. This course will prepare students for the state required test. **Lab Fee: \$10.00**

BIOLOGY I **Credit 1** **Grades 10-12 Prereq: Physical Science**

The foundation of Biology will be covered in this yearlong class. Topics covered will include: Characteristics of Life, Scientific Method, Ecology, Biochemistry, Cellular structure and functions, Cellular processes, Heredity, Genetics, DNA, and Evolution. This class is designed to provide a good foundation on topics in Biology while preparing students for state required test. **Lab Fee: \$10.00** Book/Supplemental fees are subject to change.

*Book/Supplemental fees are subject to change and may vary by teacher

HONORS BIOLOGY I**Credit 1****Grades 10 – 12****Prereq: A or B average in Honors Physical Science or Physical Science.**

Honors Biology incorporates new perspectives & understandings across major sub disciplines of biology, such as Scientific Method, Biochemistry, Ecology, Cell Structure and Function, Photosynthesis, Cellular Respiration, Mitosis and Meiosis, Genetics, Protein Synthesis and Evolution. The focus is Molecular Biology, an area of rapid growth that has shed light on many biological processes. This course will challenge students as the emphasis is on critical thinking and problem solving skills. This class demonstrates the role of biology in the 21st century. It is designed to provide students with a sophisticated knowledge of biology and to sharpen their ability to analyze information. Students should acquire the skills needed to advance in science and analyze important biological issues throughout their lives. This class will prepare students for the state required test.

Total Cost for Course/Books \$11.50 & Lab Fee \$10.00 ** Book/Supplemental fees are subject to change.**BIOLOGY II****Credit 1****Prereq. Biology I**

This yearlong course is for students who really enjoyed Biology I and want to learn about other biological topics beyond the fundamentals covered in Biology I. Topics covered will include: viruses, bacteria, protists, fungi, plant structure and function, study of invertebrates (sponges, cnidarians, flatworms, roundworms, mollusks, arthropods, etc.), study of vertebrates (fish, amphibians, reptiles, birds, mammals) and animal behavior. Includes simple dissections of earthworms and frogs.

Total Cost for Lab Fee \$15.00 ** Book/Supplemental fees are subject to change.**CHEMISTRY I****Credit 1****Grades 11 & 12 Prereq: Alg. I/H.Biology/Biology**

This is an introductory Chemistry course. Topics studied include: measurement and calculation, atomic structure, periodic laws, chemical bonding, formula/equation writing, stoichiometry, the gas laws and basic organic chemistry. **Lab Fee: \$15.00**

CHEMISTRY II**Credit 1****Prereq: Chemistry I**

This yearlong course is for students who really enjoyed Chemistry I and want to learn about other chemical topics beyond the fundamentals covered in Chemistry I. It places great emphasis on mathematical applications. Topics studied include: Solubility, types of reactions, acid/base properties, thermo chemistry, kinetics, electrochemistry and nuclear chemistry. **Lab Fee: \$15.00**

HONORS CHEMISTRY II**Credit 1****Prereq: Chemistry I**

This course is a fast paced, in-depth study of college level chemistry. Students who are interested in pursuing a career in science should consider taking this course. This class requires students to commit a great amount of time studying outside of class. Encouraged to take AP exam. **Lab Fee: \$15.00**

ENVIRONMENTAL SCIENCE**Credit 1****Grades 11 & 12**

Environmental Science involves the study of humans and their interactions with the environment. Being an integrated science, it draws from many different fields of science, with particular emphasis on biology and earth science. After basic principles of ecology have been established, the impact of human activities on the environment, both planned and unplanned, will be investigated.

***Book/Supplemental fees are subject to change and may vary by teacher**

HUMAN ANATOMY AND PHYSIOLOGY**Credit 1****Grades 11 - 12****Prereq: Biology I or Honors Biology I**

Human Anatomy and Physiology will familiarize students, through lecture and laboratory experiences, with the basic structures and functions of the body, along with diseases that affect the body. This class will present material on the elegance and efficiency of the human body and also show what happens when things go wrong. In this time of rapid scientific advance, our understanding of the human body is increasing at an explosive rate. Recent advances in medicine, biotechnology, biochemistry, immunology, etc. are over-whelming and play a major role in uncovering new information about human structure, function and disease. This course will help prepare those who plan on pursuing further study in the fields of medicine, dentistry, nursing, physical therapy, and other health related fields. **Dissection in this class is MANDATORY!**

Total Cost for Course/Books \$30.00 and Class Fee \$15.00 ** Book/Supplemental fees are subject to change.

PHYSICS I**Credit 1****Prereq: Algebra I & Grade 11**

Physics I provides an overview of the physical laws that are the basis of today's technology. Topics of study include: Measurement, Motion in One Dimension, Two Dimensional Motion and Vectors, Forces and Laws of Motion, Work and Energy, Momentum and Collisions Circular Motion and Gravitation, Fluid Mechanics, Heat and Thermodynamics, Vibrations and Waves. Emphasis will be placed on description of physical phenomena utilizing the language of Physics, Mathematics. Successful completion of Algebra II is recommended but not required. Students will be encouraged to associate classroom topics with everyday experiences. **Lab Fee \$10.00**

PHYSICS II**Credit 1****Prereq: Physics I & Grade 12**

Physics II builds on the concepts studied in Physics I. Topics of study include Electronics, Forces and Fields, Magnetism, Electromagnetic Induction, Atomic and Sub-Atomic Physics. The accelerated pace for this course is designed to prepare students for Advanced Placement testing. **This course will be offered if there are enough Juniors who have completed Physics I. Lab Fee: \$10.00**

EARTH SCIENCE**Credit 1****Grades 11 & 12**

Earth Science involves the study of how, when and why the Earth and its surface features formed. This course shows the interaction between minerals and rocks and the forces of gravity, energy and time that have shaped the Earth. Rocks and minerals, plate tectonics, Earth's history, glacial geology and more will be explored.

SOCIAL STUDIES**WORLD HISTORY****Credit 1**

World history will examine world history from the great ancient empires to present day events. The first semester will cover from Ancient empires to the Renaissance while second semester will cover the rise of modern nation to modern events.

HONORS WORLD HISTORY**Credit 1**

This course is an accelerated version of the World History course described above, with a significant amount of additional reading and writing. Recommended for the able history student and the college bound.

U.S. HISTORY**Credit 1**

The course will explore the evolution of America from the age of exploration to modern day American Events. The first semester of the course will cover to 1870 while the second semester will examine the United States from 1870 to present.

HONORS U.S. HISTORY**Credit 1**

This course is designed to be an introductory college level course, which details some of the significant historical events in the United States. Students will be expected to do a significant amount of reading & writing.

***Book/Supplemental fees are subject to change and may vary by teacher**

AP U.S. HISTORY**Credit 1**

This course is designed to be an introductory college level course, which details some of the significant historical events in the United States. The syllabus of the AP program will be the model for this course. Students will be expected to do a significant amount of reading and writing. Students **must** take the Advanced Placement Test, which will be administered in the month of May.

GOVERNMENT**Credit 1 12th Grade****Prereq: U.S. History**

This course includes a background and history of the origin of our federal-type government, and examination of the branches, including the legislative process, etc., the course helps a student come to an understanding of the atmosphere in which governmental decisions are made and the mechanism through which these decisions are implemented. Political and social current events are an important part of this course.

AP GOVERNMENT**Credit 1****Prereq: U.S. History**

Students will read extensively from original writings of the founding fathers and also from people who were directly involved in many of the issues that have shaped our government since the Constitution. Students should possess a firm grasp of our government's fundamental principles (from Government) and will – in this course – be expected to apply, analyze, synthesize and evaluate the many factors, personalities, and events that have created our unique system of government. The course syllabus will substantially follow the AP curriculum and therefore **must** take the Advanced Placement Test.

CURRENT HISTORY**Credit ½****Prereq: U.S. History, Grades 11, 12**

Magazine and newspapers may be used to supplement the 20th Century Issues textbook. Must purchase as semester subscription. **Fee: \$12.00.**

PSYCHOLOGY**Credit ½****Prereq: Junior Standing**

This is an introductory course in psychology, the science of the mind. Students will learn why people act and think and feel as they do. Major units will explore memory, thought processes, the development of personality and sensory psychology.

WORK AND FAMILY LIFE

***NOTE: ALL COURSES** are open to both males and females; please read prerequisites carefully. Service learning projects are included in the Work and Family Life curriculum.*

Child Development**Credit 1/2****Grades 10-12**

In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

Principles of Food**Credit 1/2****Recommended Grades 9-10**

In this course, students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized. **Lab Fee: \$25.00**

Nutrition and Wellness**Credit 1/2****Grades 10-12**

In this course, students will use principles of nutrition to ensure a healthy body throughout the lifecycle. An emphasis will be placed on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle. **Lab Fee: \$30.00**

***Book/Supplemental fees are subject to change and may vary by teacher**

Personal Financial Management**Credit 1/2****Grades 9-12**

In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing and risk management.

Global Foods**Credit 1/2****Grades 9-12**

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. **Lab Fee: \$30.00**

Introduction to Family and Consumer Sciences**Credit 1/2****Recommended Grades 9-10**

This first course will provide students with an overview of the four major content areas of Family and Consumer Sciences. Students will be introduced to child development, family relationship concepts and how they relate to family dynamics. Additionally, students will identify financial literacy and consumer economic principles. Students will understand the concepts of design through textiles for personal and home use. Throughout the course, students will develop communication, leadership and career investigation skills. **Lab Fee: \$15.00** **Students may be asked to bring in supplies for sewing.*

***Book/Supplemental fees are subject to change and may vary by teacher**