

Ottawa Township High School

2022-2023 COURSE CATALOG

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|--|----|
| <u>Table of Contents:</u> | |
| Listing of all Course Offerings..... | 2 |
| English..... | 3 |
| Mathematics..... | 7 |
| Science..... | 9 |
| Social Science..... | 11 |
| Physical Education..... | 13 |
| Health..... | 14 |
| Drivers Education..... | 15 |
| Foreign Language | 15 |
| Business and Consumer Education | 17 |
| Agriculture..... | 19 |
| Industrial Technology Education at OTHS..... | 20 |
| Career Education at the Area Career Center.... | 22 |
| Family and Consumer Science..... | 24 |
| Art..... | 26 |
| Music..... | 28 |
| Independent Study..... | 29 |
| Special Needs Programming..... | 29 |

Ottawa Township High School Course Offerings

English:

(Instructional Reading)
 (System 44)
 (English A)
 (English B)
 (English C)
 (English DI and DII) (S)
 (Literacy Support)
 English I
 Honors English I*
 English II
 Honors English II*
 English III
 Honors English III*
 English IV A and IV B (S)
 Creative Writing (S)
 (Journalism)
 (Journalism Publications Seminar)
 (Yearbook Publications Seminar)
 AP English Literature & Composition*
 Advanced Speech *(+)(S)
 Advanced Composition I *(+)(S)
 Advanced Composition II *(+)(S)
 ELL

Mathematics:

(Math 1)
 (Math 2)
 (Math 3)
 (Vocational and Consumer Math)
 Algebra A
 Algebra B
 Algebra I
 Honors Algebra I*
 Geometry
 Honors Geometry*
 Algebra II
 Honors Algebra II/Trigonometry*
 Pre-Calculus
 Honors Pre-Calculus*
 AP Calculus*
 Transitional Math

Science:

Life Science

(Life Science)
 Biology
 Honors Biology*
 Human Anatomy and Physiology*
 Advanced Biology*+
 Ecology (S)

Physical Science

(Geoscience)
 (Earth Science)
 Chemistry
 Honors Chemistry*
 Advanced Chemistry*+
 Physics
 Accelerated Physics*
 Topics in Physics (S)
 Astronomy (S)
 Meteorology (S)
 Geology (S)

Social Science:

(Social Science)
 World History
 Honors World History*
 American Government (S)
 Advanced Placement American Gov't. *(S)
 U.S. History
 Advanced Placement U.S. History*
 State & Local History (S)

Social Science (Cont'd):

Current Problems (S)
 Minorities (S)
 Psychology (S)
 Sociology (S)
 Personality & Behavior (S)

Physical Ed., Health, Driver Ed.:

Adaptive PE
 Freshman PE (S)
 PE (S)
 PE – Body Sculpting (S)
 PE – Strength & Conditioning (S)
 (Healthy Living) (S)
 Health (S)

Sports Medicine – *Not PE Credit*
 Driver Education (S)

Foreign Language:

German I
 German II
 German III
 German IV
 Spanish I
 Spanish II
 Spanish III
 Spanish IV

Business and Consumer Education:

(Consumer Education)
 (Computer Technology)
 Study Skills & Test Taking Strategies (S)
 Introduction to Business
 Computer Concepts (S)
 Microsoft Office (S)
 Introduction to Multimedia (S)
 Web Design (S)
 Digital Communications (S)
 Personal Finance (S)
 Accounting
 Marketing/Sales (S)
 Business Law (S)
 Business Principles & Entrepreneurship (S)
 Economics (S)
 Applied Consumer Economics (S)
 Cooperative Education

Agriculture:

Introduction to Agriculture
 Basic Agriculture Science
 Animal Science (S)
 Agribusiness Management (S)

Industrial Technology Education at OTHS:

Introduction to Technology (S)
 Power Technology (S)
 Carpentry and Plumbing (S)
 Welding and Electricity(S)
 Basic Home Repair (S)
 CAD I (S)
 CAD II (S)
 CAD III - Engineering
 CAD III - Architecture
 Vocational Auto Mechanics I (2 hours)
 Vocational Auto Mechanics II (2 hours)

Career Education at the Area Career Center:

Aviation (S/2 hours)
 Building Trades I (2 hours)
 Building Trades II (2 hours)
 Residential Wiring I (2 hours)
 Residential Wiring II (2 hours)
 Basic Fire Skills/Emerg. Medical Responder (2 hrs)
 Basic Fire Skills II (2 hours)
 Welding I (2 hours)
 Welding II (2 hours)
 Machine Technology I (2 hours)
 Machine Technology II (2 hours)
 Health Occupations I (2 hours)
 Health Occupations II (2 hours)
 Computer Repair and Maint. (S/2 hours)
 Intro to Programming & Data.(S/2 hours)
 Cosmetology (2 hours)
 Ill. Valley Entrepreneurial Opportunities + (2 hours)

Family & Consumer Science:

(Foods)
 Foods I (S)
 Foods II (S)
 Vocational Culinary Arts
 Sewing Technology
 Fashion Merchandising (S)
 Fashion Design (S)
 Adult Living (S)
 Child Development (S)
 Vocational Child Care (2 hours)

Art:

Art I - Foundations of Art
 Art II - Art and Composition
 Art III - Advanced Concepts in Art
 Art IV - Advanced Placement 2D Studio Art
 Crafts
 Three Dimensional Design
 Digital Art and Design (S)
 Digital Photography (S)

Music:

Band
 Choir
 Music Theory

Independent Study:

Independent Study (S)

Special Needs Programming:

Global Strategies
 Basic Vocational Study Skills
 Life Skills
 Global Post-Secondary Prep
 Transition Program

KEY:

(S) – Semester Course
 * – Weighted Course
 + – Dual Credit Course
 () – Course does not meet 4-year college entrance requirements

English

All students are required to be enrolled in an English course. Eight semesters of English are required for graduation. State Universities recommend at least four years of English.

Instructional Reading **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services

Course Description: This course is designed to accommodate the full range of problem readers based on their Individualized Educational Program and identified areas of deficit(s). This course will provide extensive practice in following directions and statement repetition. It will also present various analytical skills that relate to ‘higher-order’ thinking tasks, cover both “fact system” and vocabulary words, teach written expression, and address the student’s self-image with reading. This course does not meet 4-year college entrance requirements.

System 44 **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services

Course Description: This course is a foundational reading program to move readers on the path to college and career readiness. System 44 uses a personalized learning progression with explicit instruction to engage students in reading, writing, language, speaking, and listening. System 44 accelerates students toward independent reading, gives students access to a range of nonfiction text types and provides rigorous and text-based questions while using technology as a tool for instruction.

English A **9** **4 Credits** **Year Blocked Course**

Prerequisite: Recommendation of the Director of Special Services

Course Description: English A uses Read 180, which is an intensive English Language Arts course designed to assist struggling readers in moving toward grade level in reading skills. Course activities focus on expanding vocabulary skills, improving comprehension skills, and strengthening listening, viewing, speaking, and writing skills. Students will learn reading strategies to use with a broad range of fiction and nonfiction texts and respond orally and in written form. Students will further develop academic writing skills by improving language mechanics and grammar usage. This course focuses on skills and strategies that meet the Illinois Common Core Standards in reading, writing, speaking, and listening. This course does not meet 4-year college entrance requirements.

Literacy Support **9** **2 credits** **Year Course**

Prerequisite: Recommendation of the Assistant Principal

Course Description: The literacy support course will be taken alongside English I and will provide students with an opportunity to learn and apply a variety of reading strategies to improve the comprehension of both fiction and nonfiction texts. Designed to support students in the required content area classes, this course utilizes students’ content area texts as well as independent reading books. Emphasis is placed on comprehension skills such as predicting, summarizing, connecting, questioning, and inferring. In addition, students will improve their understanding of the writing process, grammar, study strategies, and organizational techniques. This course does not meet 4-year college entrance requirements.

English I **9** **2 Credits** **Year Course**

Course Description: All English I students will study a core curriculum which continues and expands in the second and third years. This core curriculum is based on the Common Core State Standards and College Readiness Standards. Readings in literature will be supplemented with vocabulary lessons, grammar lessons, writing assignments, speaking assignments, and library assignments. Major readings will include works by Shakespeare and a variety of novels, short stories, nonfiction, and poetry.

Honors English I **9** **2 Credits** **Year Course**

Prerequisite: Meets or exceeds placement guidelines determined by the district

Lab Fee: Cost of paperback books for summer reading

Course Description: Honors English I is a weighted course that does require students to complete summer reading prior to the start of the school year. The course is designed to accelerate the English program in preparation for taking advanced courses in the English curriculum during sophomore, junior and senior years. This course is substantially more rigorous than English I. While students review basic essay structure and grammar, they work extensively on in-depth literary analysis, including study of short stories, novels, plays, poetry, and nonfiction. Students will submit at least two major projects, write at least two MLA formatted essays, complete discussion-style assessments, complete reading check quizzes, and keep a class binder. Students must maintain a “C” average in this course to be eligible for Honors English II.

English B **10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services

Course Description: This course is structured to improve each student’s listening, reading, speaking, and writing skills and the processes (language and literature) in a thematic organization. Students experience texts of different genres and forms related to each theme and complete mandatory common tasks. Common tasks focus primarily on critical reading, writing, and research but also address other language skills. Instruction in reading and writing strategies, grammar, and vocabulary is integrated into every unit. Major readings include but are not limited to Romeo and Juliet, The Odyssey, and a variety of novels, short stories, nonfiction, and poetry. This course does not meet 4-year college entrance requirements.

English II **10-11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of English I

Course Description: English II students will continue studying the core curriculum sequence begun in English I. The communication process, both written and oral, will be the primary focus of the English II curriculum. The overall writing process will be studied through a focus on expository and persuasive writing, including a research paper, while the oral component will be comprised of a minimum of eight classroom speeches throughout the year. Readings in World and American Literature may include novels, plays, short stories, nonfiction, and poetry. English II will also consist of vocabulary lessons, grammar lessons, library usage, note-taking lessons, journaling, group discussions, and group presentations.

Honors English II **10** **2 Credits** **Year Course**

Prerequisite: Successful completion of Honors English I with a grade of “C” or better and completion of required summer reading—a teacher recommendation is required if Honors English I was not taken

Lab Fees: Cost of paperback books for summer reading

Course Description: Honors English II is a weighted course that does require students to complete summer readings prior to the start of the school year. The course is designed to accelerate the English program in preparation for taking advanced courses in the English curriculum during junior and senior years. This course is substantially more rigorous than English II. Readings in World and American Literature will be supplemented with vocabulary lessons, grammar lessons, writing assignments, speaking assignments, and library assignments. A research paper will be assigned and completed during this course. Students must maintain a “C” average in this course to be eligible for Honors English III.

English C **10-11-12** **2 credits** **Year Course**

Prerequisite: Permission of the Director of Special Needs

Course Description: This course is structured to improve each student’s listening, reading, speaking, grammar, and writing skills. The overall writing process will be studied through a focus on descriptive, narrative, expository, and persuasive writing, including a research paper. The communication process will also be a focus with a minimum of six classroom speeches required. Major readings include but will not be limited to Julius Caesar and Othello. A variety of novels, short stories, nonfiction, and poetry will also be included. This course does not meet 4-year college entrance requirements.

English III **11-12** **2 Credits** **Year Course**

Course Description: All English III students will continue studying the core curriculum sequence begun in English I and continued in English II. Readings in American Literature will be supplemented with vocabulary lessons, grammar lessons, writing assignments, speaking assignments, presentations, and research assignments. Readings include novels, plays, short stories, nonfiction, essays, and poetry.

Honors English III **11** **2 Credits** **Year Course**

Prerequisites: Successful completion of Honors English II with a grade of “C” or better and completion of required summer reading—a teacher recommendation is required if Honors English II was not taken

Lab Fee: Cost of paperback books for summer reading

Course Description: Honors English III is a weighted course that does require students to complete summer readings prior to the start of the school year. The course is designed to accelerate the English program in preparation for taking advanced courses in the English curriculum during senior year. Students analyze themes and writing techniques used in selected works of American literature, ranging from Native American works to the more contemporary, as they further develop sensitivity to language and ideas and increase their ability to mirror these writers’ rhetorical choices in their own writing. Students will analyze the historical, cultural, social, political, religious, psychological, and philosophical influences on writers and their works.

English D-1 **11-12** **1 Credit** **Semester Course**

Prerequisite: Permission of the Director of Special Services

Course Description: This course is designed to expand vocabulary, improve comprehension, and strengthen listening, viewing, speaking and writing skills. English D-1 will improve college and career readiness by providing exposure to nonfiction and fictional texts in order for students to engage in deep analysis of literature and informational texts with complex comprehension tasks. In addition, students will further develop academic writing skills by improving language mechanics and grammar usage, as well as informative and argumentative essay writing. Students will focus on functional English skills including public reading, speaking, and interviewing in order to create successful opportunities in a post-secondary setting. This course does not meet 4-year college entrance requirements.

English D-2 **11-12** **1 Credit** **Semester Course**

Prerequisite: Permission of the Director of Special Services

Course Description: This course is structured to improve each student's listening, reading, speaking, and writing skills and the processes (language and literature) in a thematic organization. Students experience texts of different genres and forms related to each theme and complete mandatory common tasks. Common tasks focus primarily on critical reading, writing, and research but also address other language skills. Instruction in reading and writing strategies, grammar, and vocabulary is integrated into every unit. Major readings include but are not limited to: *Taming of the Shrew* and *The Secret Life of Bees*. Students will focus on functional English skills to create successful opportunities in a post-secondary setting. This course does not meet 4-year college entrance requirements.

English IV A **12** **1 Credit** **Semester Course**

Course Description: English IV A is a survey course of fiction, poetry, and informational readings from a variety of time periods. The purpose of this course is to prepare students to evaluate different points of view critically and constructively while becoming more reflective and further developing their collaborative, research, and independent study skills. Students will be expected to write formal emails and professional correspondence, research post-high-school plans, develop and write analytical and college application essays, and participate in Socratic style discussion in class and online.

English IV B **12** **1 Credit** **Semester Course**

Course Description: English IV B is a survey course of drama, folk literature, and informational readings from a variety of time periods. The purpose of this course is to prepare students to evaluate different points of view critically and constructively while becoming more reflective and further developing their collaborative, research, and independent study skills. Students will be expected to improve interviewing and speaking skills, research and present ideas in multimedia format, write an analytical essay, and participate in Socratic style discussion in class and online.

Creative Writing **11-12** **1 Credit** **Semester Course**

Course Description: The purpose of Creative Writing is to help students improve as writers and to help them find their voices. Students will be expected to write well and write often. They will keep a writer's notebook and make daily entries. Students will learn how to "show" and not "tell" in their writing through the development of imagery, figurative language, vivid verbs, and other techniques. Students will write personal narratives, a minimum of two short stories, and a collection of poetry. Smaller assignments include 6-Word Memoirs, Micro-Fiction, and script writing. Because one cannot be a good writer without reading, the writing exercises will be supplemented with a substantial reading load. The readings will include chapters from the text as well as published works of fiction, creative nonfiction, dramatic forms, and poetry. Students will learn the use of language and creativity as a way of communicating a message to a reader for a purpose which will transfer to other methods of writing.

AP English Literature & Composition **12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Honors English III with a grade of "C" or better and completion of required summer reading— A teacher recommendation is required if Honors English III was not taken

Lab Fee: Cost of paperback books for summer reading

Course Description: Advanced Placement English Literature & Composition is a Weighted Course. Students taking the course will study multiple works of literature representing various genres, periods, cultures, and themes that are typically encountered in college-level literature and composition courses. AP students are expected to have mastered secondary composition. Proficiency in grammar is a must in AP as grammar will not be part of the primary plans for instruction—such instruction will only occur in the context of writing instruction. It is a given that the pace of instruction and study of materials will be more challenging in this course. The course will use a college text that is thematic in its approach to teaching rhetorical elements in literature. A number of major works in fiction, nonfiction, drama, and poetry will be studied in this course. Each of the major works has been chosen for its classic nature, for the

author's recognized style, and for the work's frequent appearance on AP exams. Students are expected to handle the sophisticated material in this course with maturity and grace. The reading is challenging and demands time. Upon completion of the course, students are encouraged to take the AP English Literature & Composition exam. With a score of a 3, 4, or 5 out of 5 possible points on the aforementioned test, a student may test out of 1-2 semesters of first year college English courses.

Advanced Speech **11-12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of English II

Course Description: Speech is a Weighted Course. This course provides the opportunity for an in-depth study of communication. Major emphasis will be placed on interpersonal communication, informative and persuasive speaking, group discussion, research, critical thinking, visual aid use, and listening and writing skills. Students will be required to give a minimum of eight classroom speeches. This course is offered both semesters. Optional dual college credit *may be* available from IVCC (for juniors and seniors).

Advanced Composition I **12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of English III and one of the following: 1. SAT Evidence Based Reading and Writing score of 480 or above; 2. ACT reading score of 21 and an ACT English score of 19 or above; 3. Meet/exceed the cut score on the IVCC English/Reading placement test.

Course Description: **This is a weighted course for seniors preparing for college. In this course, students will learn to read analytically, think critically, and write concisely and maturely.** Students will study and apply rhetorical principles of writing in developing effective sentences, paragraphs, and essays, with particular emphasis on analyzing and writing expository prose. Also, students will have the option to earn 3 hours of college credit through IVCC.

Advanced Composition II **12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of Advanced Composition I with a grade of a "C" or higher.

Course Description: This is a weighted course for seniors preparing for college. Students will continue the study and application of rhetorical principles of expository writing in developing effective sentences, paragraphs, and essays, with particular emphasis on analyzing and writing expository prose. Students' essays will be based upon their readings of literature and other texts. A library research writing will be developed from those readings. Also, students will have the option to earn 3 hours of college credit through IVCC.

English Electives

These course counts only as an elective credit at OTHS. They do not satisfy English graduation requirements and do not meet 4-year college entrance requirements.

Journalism **10-12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of English II with a grade of a "B" or higher. Sophomore students may enroll with a recommendation from their freshman English teacher and a grade of "B" or higher in English 1.

Course Description: This course focuses on the principles of print and online journalism through the development of the school newspaper, the *Pirate Press*. Students will conduct interviews and research to create original articles using varied writing techniques.

Journalism Publications Seminar **10-12** **1 Credit** **Semester Course**

Prerequisite: Selection as editor of the *Pirate Press*

Course Description: Students will apply their knowledge of print and online journalism to create original articles for the *Pirate Press*. Students will learn to edit and professionally format the newspaper, working with Shaw Media to create a finished layout for publication and to maintain a news website. The course may be taken concurrently with or after the completion of Journalism.

Yearbook Publications Seminar **11-12** **2 Credits** **Year Course**

Prerequisite: Selection as a member of the yearbook staff

Course Description: Students apply for this class at the end of the prior school year. Applications require students to receive three letters of recommendation from teachers, including one English teacher. Additionally, they will write an essay and complete a formal interview prior to selection. This class teaches students the elements and rules of design and layout, photography skills, editing and journalistic style copy writing, and interviewing.

ELL Resource **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Recommendation of administration

Course Description: Transitional Program of Instruction (TPI-English). The course is planned with emphasis on basic academic skills as a supplement to regular course offerings for those students with a native language other than English. The course will meet up to one hour per day based on the needs of the student. This course may be repeated until the student can be fully transitioned to OTHS's standard English program of study.

Mathematics

All students need 6 semester of mathematics to graduate. Two semesters must be Algebra I. Two semesters must be a course that has geometry content. State Universities recommend at least 3 years of Mathematics, with a minimum of successful completion of Algebra II.

Math 1 **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services.

Course Description: This math course is an entry level high school math course designed to reinforce the student's prior knowledge and skills in math. Students will utilize Apex Online Learning, a research-based math intervention program, to review previously learned material such as addition, subtraction, multiplication, and division; and to introduce many new math concepts in preparation for Math 2. Concepts explored will include data and graphs, fractions, geometry, proportions, percentages, and probability. This course does not meet 4-year college entrance requirements.

Math 2 **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services.

Course Description: This course is the next class in the basic math sequence. The purpose of this course is to prepare students for Math 3. Although this course is designed to build on the concepts obtained in Math 1, the student will learn new concepts as well. The students will be introduced to the display and analysis of data, patterns and rules, measurement, and a more advanced understanding of geometry. This course does not meet 4-year college entrance requirements.

Math 3 **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services.

Course Description: This course is designed to present basic math skills used in everyday situations, such as paying taxes, buying food, banking and investing, and managing a household. This course will reinforce many of the skills previously learned in Math 1 and Math 2, while bringing a real world experience to mathematics. This course does not meet 4-year college entrance requirements.

Instructional Math **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services.

Course Description: This course is designed to provide support for students who have difficulty with mathematics based on their Individualized Educational Program. The course is organized to assist students with specific weaknesses in computational skills by breaking concepts down into small skills, rules, and procedures. This course does not meet 4-year college entrance requirements.

Algebra A **9** **2 Credits** **Year Course**

Prerequisite: Meets placement guidelines determined by the district.

Course Description: The Algebra A and Algebra B sequence is designed to cover the same objectives as Algebra I, but it is done over the period of two years. Those who are enrolled in and successfully complete Algebra A are required to take Algebra B the following year. Algebra A is designed for those students who need reinforcement in their computational and problem-solving skills. The class will emphasize symbol manipulation, linear equations, algebraic expressions, equations, inequalities, linear functions, and graphs.

Algebra B **10-11-12** **2 Credits** **Year Course**

Prerequisite: Algebra A.

Course Description: The Algebra A and Algebra B sequence is designed to cover the same objectives as Algebra I, but it is done over the period of two years. Algebra B is designed for those students who need reinforcement in their computational and problem-solving skills. The class will emphasize symbol manipulation, linear equations, linear functions, graphs, systems of equations, laws of exponents, polynomials, factoring, quadratics, and radicals.

Vocational and Consumer Math **10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services.

Course Description: This course will provide an opportunity for students to receive an intensive math program that focuses on math skills needed to make students better consumers in the post-secondary world. Vocational and

Consumer Math will provide students with a deeper knowledge of consumer and career math skills by providing real-life, problem-based scenarios. This course does not meet 4-year college entrance requirements.

Algebra I **9** **2 Credits** **Year Course**

Prerequisite: Meets placement guidelines determined by the district.

Course Description: This is a comprehensive course in algebra designed for the average mathematics student. The class will emphasize symbol manipulation and linear equations, this will include algebraic expressions, equations, inequalities, linear functions, graphs, laws of exponents, polynomials, factoring, quadratics, and rational expressions.

Honors Algebra I **9** **2 Credits** **Year Course**

Prerequisites: Meets or exceeds placement guidelines determined by the district.

Course Description: This is a Weighted Course in algebra and is designed for the college-bound, advanced mathematics student. Students will study the topics listed under Algebra I plus an introduction to probability. Honors Algebra consists of an enriched curriculum that fosters creativity and imagination, emphasizes peer collaboration, and emphasizes higher level thinking skills. Students will experience more in-depth study of the subject matter. When appropriate, the pace of instruction will be accelerated and the study of materials will be more challenging.

Geometry **10-11** **2 Credits** **Year Course**

Prerequisite: Successful Completion of Algebra I

Course Description: This is a comprehensive course in geometry emphasizing logical reasoning and spatial visualization skills designed for the average mathematics student. Students develop higher level thinking skills by the use of mathematical analysis, evaluation, and deductive and inductive reasoning. Students learn technical skills and study angles, lines, triangles, polygons, circles, area and volume.

Honors Geometry **9-10** **2 Credits** **Year Course**

Prerequisite: Meets/exceeds placement guidelines determined by the district (9th grade) or successful completion of Honors Algebra I (10th grade).

Course Description: This is a Weighted Course in geometry; enhanced by emphasizing and integrating logical reasoning and spatial visualization skills. Students develop higher thinking skills by the use of mathematical analysis, evaluation, research, and deductive and inductive reasoning. Students learn technical skills, become familiar with symmetry and transformation, and study angles, lines, and circle relationships in depth. Independent thinking is encouraged, projects are developed, problem-solving skills are stressed, and the students learn to apply geometric knowledge and skills to a variety of purposes. Honors coursework consists of an enriched curriculum that fosters creativity and imagination, emphasizes peer collaboration and higher level thinking skills, and provides an opportunity for independent learning. Students will experience more in-depth study of the subject matter. When appropriate, the pace of instruction will be accelerated and the study of materials will be more challenging.

Algebra II **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Geometry

Course Description: This course is a continuation of Algebra I and is designed for the average mathematics student. It is a study of lines, the complex number system, quadratics, series of numbers, and right triangle trigonometry. The student must have a solid grasp of Algebra I and Geometry.

Honors Algebra II and Trigonometry **10-11** **2 Credits** **Year Course**

Prerequisite: Successful Completion of Honors Geometry

Course Description: This Weighted Course is a continuation of Honors Algebra I. It is a study of the complex number system, and work is done with graphing quadratics and studying series of numbers and triangles. The student must have a solid grasp of Algebra I. This course is fast paced and students will be expected to do accelerated work.

Pre-Calculus **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Algebra II

Course Description: This course includes the topics of functions, function families, inverses, transformations, exponents and logarithms, analytic geometry, and sequences and series with an emphasis on trigonometry.

Honors Pre-Calculus **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Honors Algebra II

Course Description: This Weighted Course is designed to prepare the advanced mathematics student to begin the study of Calculus. It includes the topics of linear and quadratic functions, graphs, analytic geometry, sequences and series, and vectors, with a strong emphasis on trigonometry. This course is fast paced and students will be expected to do accelerated work.

Advanced Placement Calculus 12 2 Credits Year Course

Prerequisite: Successful completion of Pre-Calculus

Course Description: This Weighted Course is a college level course. Calculus is a branch of higher mathematics that deals with variable, or changing quantities. Calculus is based on the concept of infinitesimals (exceedingly small quantities) and on the concept of limits (quantities that can be approached more and more closely but never reached). The two related branches of Calculus (differential and integral) will be studied. The syllabus followed will enable the student to prepare to take the Advanced Placement Calculus AB exam given in May of each year.

Transitional Math 12 2 Credits Year Course

Prerequisite: Must have completed all 3 years (6 credits) of mathematics.

Course Description: Transitional Math is designed to prepare and transition students directly into college and career pathways requiring general education college level math competencies in quantitative literacy and statistics. Upon completion students should be able to: demonstrate proficiency and understanding in basic numeracy competencies in whole numbers, integers, fractions, and decimals, use estimation and explain/justify estimates, apply quantitative reasoning to solve problems involving quantities or rates, use mathematical summaries of data such as mean, median, and mode, use and apply algebraic reasoning as one of multiple problem solving tools, and use functions and modeling processes. Course to be delivered through authentic application, problem based instruction designed to build mathematical conceptual understanding and critical thinking skills.

Science

All students must attain 4 credits in science. 2 credits need to be from Biology and 2 credits need to be from the physical sciences. State Universities recommend at least 3 years of Science.

Life Science 9-10-11-12 2 Credits Year Course

Prerequisite: Permission of the Director of Special Services.

Course Description: This course emphasizes the study of living things through laboratory based experiments and investigation techniques. Topics include the cell structure as it relates to plants and animals, scientific tools as they relate to biology, characteristics of living and non-living things, ecology, and environmental issues. Students will also learn methods of collecting and interpreting facts and data, along with important biological concepts and ideas. This course does not meet 4-year college entrance requirements.

Earth Science 9-10-11-12 2 Credits Year Course

Prerequisite: Permission of the Director of Special Services.

Course Description: This course is designed to present basic principles in the field of physical science. It affords an opportunity to students to survey in a broad sense many of the principles which affect their lives. Topics include scientific method, graphing, the metric system, scientific tools, structures of matter, volcanoes, earthquakes, planets, weather and climate, rock layers, motion and forces, sound and light waves, and energy. Successful completion of this course will fulfill the physical science requirement. This course does not meet 4-year college entrance requirements.

Geoscience 9 2 Credits Year Course

Course Description: Geoscience is a laboratory science course alternative to Biology for freshman that would fulfill the physical science requirement. Emphasis is placed on problem solving through student-centered activities, note-taking skills and enhancing critical thinking skills for multi-disciplinary learners. Topics covered include basic science skills, physics, chemistry, and earth systems. This course will prepare students for Biology sophomore year. This course is not available for repeat. This course does not meet 4-year college entrance requirements.

Biology 9-10-11-12 2 Credits Year Course

Course Description: Special emphasis will be placed upon the areas of molecular and cellular biology, classification, reproduction, and principles of heredity and biodiversity. Successful completion of this course will prepare the student to continue on to higher-level science courses.

Honors Biology 9 2 Credits Year Course

Prerequisite: Meets or exceeds placement guidelines determined by the district. Students are expected to complete Summer Reading and a Summer Reading Guide in preparation for Honors Biology.

Course Description: Honors Biology is a weighted course designed for students interested in pursuing advanced sciences or careers in the science or engineering fields. Students will learn and understand biological processes that occur on the molecular, cellular, systemic, and environmental levels. Honors Biology stresses the same processes as in Biology but carries the study to a greater depth and sets higher standards of achievement. Honors Biology differs from

Biology in that the pace of instruction will be accelerated and the study of materials will be more challenging compared to the standard Biology course.

Advanced Biology **11-12** **2 Credits** **Year Course**

Prerequisite: A grade of C or better in Biology or Honors Biology and a grade of C or better in Chemistry or Honors Chemistry.

Course Description: Topics covered in this Dual Credit Course include biochemistry, cell biology, metabolism and cell signaling, genetics, protein synthesis, evolutionary biology including biodiversity and taxonomy, energy flow within an ecological system including photosynthesis, respiration, and fermentation. Lab activities investigating major concepts will reinforce class discussion.

Human Anatomy and Physiology **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of biology and chemistry, maintained a 'C' average in all previous science classes.

Course Description: This is a weighted course that involves the rigorous study of the structure and function of the human body. The goal of this course is to provide students with a solid foundation of human anatomy and physiology. To meet this goal, students are expected to learn and use correct terminology and set aside time to study material outside of class daily. This course will be taught through lectures, using online resources and videos, and individual and group laboratory work. Course topics include cytology, histology, a study of all major human body systems (integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive). Laboratory exercises include: microscopy, the use and development of models as representations of the human body, dissections of cat and other mammalian organs, and cadaver viewing.

Chemistry **10-11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Biology and one year of Math

Course Description: This course is designed for those who intend to enter the supporting fields of medicine or engineering; (such as pre-dental hygiene, pre-nursing, medical technicians, etc.), or those who desire an understanding of every day chemistry. Emphasis will be placed on demonstration and laboratory experiments of principles.

Honors Chemistry **10-11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Honors Biology or grade of A/ B in Algebra, Honors Alg., Honors Geometry

Course Description: Honors chemistry is a Weighted Course and is designed for those who plan to do work in college chemistry in an exacting field; science and engineering, pharmacy, pre-med, 4-year nursing degree, etc. Emphasis will be placed on laboratory experiments, reasoning, and problem solving. In-depth understanding of concepts will be expected. This is a recommended prerequisite for Advanced Chemistry.

Advanced Chemistry **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Honors Chemistry or consent of instructor.

Lab Fee: \$10.00

Course Description: This Weighted Course will consist of a review of selected topics from first year chemistry and continue with new material including electrochemistry, pH, and thermodynamics. Laboratory experiments are crucial to this course and students will be required to purchase safety goggles. All other equipment and materials will be provided. This course is essential to students interested in the engineering, medical, and pharmaceutical fields. This course is offered as a dual credit course. You will receive credit from Ottawa Township High School towards graduation and may sign up for CHEM 1004 credit from IVCC at a fraction of the cost of the on campus course. Students with financial difficulties who cannot afford the required supplies should check with their counselor, principal or teacher. No student will be refused placement due to financial difficulties.

Topics in Physics **11-12** **1 Credit** **One Semester**

Prerequisite: Successful completion of two years of science.

Course Description: This course will consist of the discussion and research of selected topics in physics. Topics of study will consist of Modern Physics such as Einstein's special theory of relativity, string theory, and black holes in addition to current research events. There will be several books utilized during the semester and students should expect reading and writing assignments on a regular basis.

Physics **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of two years of math

Course Description: An introductory physics course studying the fundamental laws of nature. Topics covered include: Newton's laws, simple machines, momentum, energy, gravity, projectile, and satellite motion, sound, light, waves, electricity, magnetism, and nuclear radiation. A variety of instructional methods are used including: laboratory

experiments, the textbook, videos, and lecture. Although mathematics is involved, a “hands on” approach is used and the emphasis is on the concepts of physics rather than mathematical interpretation.

Accelerated Physics **11-12** **2 Credits** **Year Course**

Prerequisite: Enrollment in pre-calculus, accelerated pre-calculus, or AP calculus

Course Description: Accelerated Physics is a Weighted Course. It is a college preparatory physics course that studies the fundamental laws of nature. This course utilizes upper level mathematics to interpret the laws of physics; therefore the pre-requisite is necessary to insure that the student excels at their studies. This course covers the majority of the topics on the College Board Advanced Placement Exam, and the student may take the Advanced Placement Exam for college credit if they desire. Topics covered include: kinematics, force, circular motion, gravity, collisions, waves, sound, light, electricity, optics, quantum mechanics, elementary particles, nuclear radiation, and astrophysics. A variety of instructional methods are used including: laboratory experiments, lecture, the textbook, and applicable videos. Students should expect homework on a regular basis due to the nature of the material.

Astronomy **10-11-12** **1 Credit** **Semester Course**

Course Description: This course is an introduction to astronomy. Topics investigated will include understanding the use of telescopes and the electromagnetic spectrum, composition of stars, stellar evolution, types of galaxies, black holes, the big bang theory of the origin of the universe, structure of the sun and its effect on Earth's environment, the solar system and its contents, planetary evolution, the moon and its relationship to Earth, rocketry and the history of space exploration. Opportunities will be provided for hands-on activities and in-depth investigations of various topics.

Ecology **10-11-12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of Biology

Course Description: This course is a study of the ecological relationship between humans and their environment. The conservation, preservation, and sustainable use of natural resources will be emphasized. Topics investigated include environmental studies, biomes, populations, air, water, soil pollution, and the effects of global climate change.

Geology **10-11-12** **1 Credit** **Semester Course**

Course Description: This course deals with both physical and historical geology. Physically, the planet acts like a plate tectonic driven engine. Historically, rocks and fossils mark the 4.6 billion year age of the planet. Laboratory work includes rock, mineral, and fossil identification. Topics investigated include earthquakes, volcanoes, deep time, weathering, erosion, mapping, and environmental topics like acid rain and global climate change.

Meteorology **10-11-12** **1 Credit** **Semester Course**

Course Description: This course is an introduction to meteorology. Topics investigated will include the structure and composition of the atmosphere, elements of weather (temperature, humidity, air pressure) and their measurement, cloud classification, forms of precipitation, air masses, fronts, storm formation and severe weather (thunderstorms, tornadoes, hurricanes, blizzards), weather stations, forecasting and environmental issues such as acid rain and climate change. Opportunities will be provided for hands-on activities and in-depth investigations of various topics.

SOCIAL SCIENCE

All students must earn a minimum of 4 credits in the social sciences for graduation. All students will be enrolled in World History, American Government, and U.S. History. Students must take and pass U.S. History and the Constitution Test offered in American Government in order to graduate. State Universities recommend at least 3 years of Social Science.

Social Science **9-10-11-12** **2 Credits** **Year Course**

Prerequisite: Permission of the Director of Special Services.

Course Description: This course is provided for eligible students of which placement in the standard education World History is deemed inappropriate by consensus of standard and special services teachers, related services personnel, and parents. A fundamental knowledge of World History is a necessary component of the student's basic education. Emphasis is not placed upon the memorization of dates and names, but rather on an understanding of the ideas, vocabulary, cause-effect relationships, economics, political and social systems, and geography from the development of early civilization to the Twentieth Century. This course does not meet 4-year college entrance requirements.

World History **9** **2 Credits** **Year Course**

Course Description: This course is taken by all freshmen except those taking Honors World History. Students will study a variety of current issue topics that affect our everyday world and the society we live in. Students will examine

in-depth topics such as world religions, culture, genocide, population, political systems, economic systems, and the United Nations. Geography will be an emphasis throughout the course. Topics will include other major issues or events that may emerge as the school year progresses.

Honors World History **9** **2 Credits** **Year Course**

Prerequisite: Meets or exceeds placement guidelines determined by the district.

Course Description: This Weighted Course is required of all freshmen except those taking World History. Students will study a variety of current issue topics that affect our everyday world and the society we live in. Students will examine in-depth topics such as world religions, culture, genocide, population, political systems, economic systems, and the United Nations. Geography will be an emphasis throughout the course. Topics will include other major issues or events that may emerge as the school year progresses.

American Government **10** **1 Credit** **Semester Course**

Course Description: American Government is a required course for students in the 10th grade. This course is a comprehensive study of the American system of government at the federal, state, and local levels. Students will learn the origins of the basic principles of American government and how to apply these principles towards becoming active, responsible citizens. **This course includes the United States Constitution Test which is a requirement for graduation.**

Note: *Out-of-state transfer students must pass the flag and Illinois Constitution portions of the test if they have previously passed the United States Constitution Test.*

Advanced Placement American Government **10** **1 Credit** **Semester Course**

Prerequisite: Honors World History with a grade of 'C' or better and/or teacher recommendation.

Course Description: Advanced Placement U.S. Government and Politics is a Weighted Course. This course is an intensive, one semester, college course that gives students an analytical perspective on government and politics in the United States. Students who successfully complete this course will know important facts, concepts, and theories pertaining to U.S. government and politics. They will understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures, and the political effects of these structures and procedures.) Students will be able to analyze and interpret basic data relevant to U.S. government and politics. Students will also be able to critically analyze relevant theories and concepts, apply them appropriately and develop their connections across the curriculum. **This course includes the United States Constitution Test which is a requirement for graduation.**

United States History **11** **2 Credits** **Year Course**

Course Description: Successful completion of U.S. History is a graduation requirement. The development of U.S. political, social, and cultural institutions as well as geography is emphasized in this course. The course covers the time period of the Civil War to the present. Successful completion of U.S. History or AP U.S. History is required for graduation.

Advanced Placement United States History **11** **2 Credits** **Year Course**

Prerequisites: Honors World History and AP Government with a grade of 'C' or better and/or teacher recommendation. Successful completion of summer reading assignments.

Course Description: The Advanced Placement program in United States History is a Weighted Course and is designed to provide students with the analytical skills and enduring understandings necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses by making demands upon them equivalent to those made by full-year introductory college courses. Students will learn to assess historical materials-their relevance to a given interpretive problem, their reliability, and their importance-and to weight the evidence and interpretations presented in historical scholarship. This class is extensive in its coverage of the topics of United States history. Students can expect between 10-15 pages of college level reading per night in addition to writing assignments, projects, quizzes, and tests. Students who do not maintain a "C" average per 9 weeks will be dropped from the class and placed in a regular United States history course. With a score of a 3, 4, or 5 out of 5 possible points a student may test out of 1 to 2 semesters of first year college social science courses.

State and Local History **10-11-12** **1 Credit** **Semester Course**

Course Description: This course provides an opportunity to study our state and local community. The course focuses upon Illinois' history, from its prehistory to the present day with special attention to Ottawa and LaSalle County. Topics students will study include Native Americans, French exploration, the Blackhawk War and white settlement, I&M Canal, Lincoln-Douglas debates, origins and growth of Ottawa and Marseilles, OTHS, the Cherry Mine Disaster,

Starved Rock Murders, Radium Dial and the city of Chicago. Emphasis is placed on local geography, economic, social and political issues as well as local historical figures.

Current Problems **10-11-12** **1 Credit** **Semester Course**

Course Description: This Social Science course will focus on local, state, national and international events currently happening in the world. The Internet, periodicals, newscasts, and newspapers will comprise the majority of materials utilized within the course. Methods of research, discussion, and the use of technology will be points of emphasis. Students will learn how to think critically and develop the skills of gathering, analyzing, organizing, assessing, and debating. This course will be valuable to thinkers, writers, and Internet users. Readings include George Orwell's 1984, Ron Paul's The Revolution, and Saul Alinsky's Rules for Radicals.

Minorities **10-11-12** **1 Credit** **Semester Course**

Course Description: This history course will study the struggles of minority groups in their fight for equal civil rights in American society. There will be a focus on the African-American civil rights movement and the other civil rights movements it inspired in the 1960's and 1970's such as the Native American, Mexican, and women's movements. The concepts of racism, prejudice, and discrimination will be discussed in historical as well as in present-day situations.

Psychology **10-11-12** **1 Credit** **Semester Course**

Course Description: A basic introductory course in Psychology dealing with analysis and description of individual human behavior with special reference to: A general look at Psychology, psychological methods, human development, biological influences on behavior, measuring intellectual ability, principles of learning, learning, remembering and forgetting, the process of thinking, coping with stress, sleep and dreams, parapsychology, and abnormal behavior. Emphasis will be on psychological principles as they relate to daily life.

Sociology **10-11-12** **1 Credit** **Semester Course**

Course Description: An introductory course in sociology focusing on the study of people, social life, and society. Students will gain an understanding of human behavior by studying groups and their role in society. Areas of focus will include the development of sociology, early and current sociological theories, culture, socialization, social structure, research, group dynamics, deviance, lifecycles, racism, and gender inequalities and their influence on current times. Group work is a key aspect of this class.

Personality and Behavior **10-11-12** **1 Credit** **Semester Course**

Course Description: This course provides the opportunity for an in-depth study of new trends and theories in Psychology that will enable an individual to understand his own behavior and others more clearly. Major emphasis will be placed on how behavior is motivated, how individuals learn intelligent behavior, personality, and applications of Psychology to various social issues. Teen violence/dating violence are addressed within the course.

Physical Education

Physical Education is the science of human movement. All offerings are designed to promote good health, safety, awareness, value of recreation, and the importance of life-long fitness.

Physical Education – Adaptive **9-10-11-12** **1 Credit** **Semester Course**

Prerequisite: Permission from the director of special needs services

Course Description: This course is designed to fit the capabilities of students with special needs. The main focus of this course is to develop the physical, cognitive and social-emotional skills needed by students to be physically active for a lifetime. The curriculum includes a wide range of activities that promotes socialization, encourages participation and enriches leisure time. The instructional design focuses on individual progress with varied learning experiences and with individualized and cooperative learning opportunities in relevant physical activity.

Freshman Physical Education **9** **1 Credit** **Semester Course**

Prerequisites: None

Course Description: Freshmen P.E. will introduce students to a variety of team sports. Units may include but are not limited to basketball, create-a-game, dance, flicker ball, floor hockey, rugby, softball, speedball, teambuilding, ultimate Frisbee and volleyball. In conjunction with this course, progress monitoring of student health-related fitness levels based on the Fitnessgram assessment program will begin in this class and continue throughout a student's four years of high school. Aerobic capacity, body composition, flexibility, muscular strength, muscular endurance and body composition will be assessed. Ongoing assessments will include both written and performance-based evaluations.

Physical Education 10 - 11 – 12 1 Credit Semester Course

Prerequisites: None

Course Description: This course will introduce students to a variety of activities which may include: archery, badminton, bags, basketball, bocce ball, bowling, Frisbee golf, flag football, floor hockey, pickle ball, soccer, softball, speedball, tennis, ultimate Frisbee and volleyball. Students will also engage in team building activities. A focus of life-long fitness activities and games will be a primary focus on a weekly basis. In conjunction with this course, progress monitoring of student health-related fitness levels based on the Fitnessgram assessment program will begin in this class and continue throughout a student's four years of high school. Aerobic capacity, body composition, flexibility, muscular strength, muscular endurance and body composition will be assessed. Ongoing assessments will include both written and performance-based evaluations.

Physical Education - Bodysculpt 11 – 12 1 Credit Semester Course

Prerequisite: None

Course Description: This course is designed for any student wishing to increase their fitness levels through a variety of exercises and activities such as but not limited to: dance, interval workouts, Pilates, step aerobics, aerobic kick boxing, and yoga. In conjunction with this course, progress monitoring of student health-related fitness levels based on the Fitnessgram assessment program will begin in this class and continue throughout a student's four years of high school. Aerobic capacity, body composition, flexibility, muscular strength, muscular endurance and body composition will be assessed. Ongoing assessments will include both written and performance-based evaluations. Class sizes are limited; juniors and seniors will be given preference as schedules permit.

Physical Education - Strength and Conditioning 10- 11 - 12 1 Credit Semester Course

Prerequisite: "C" or better in previous PE course

Course Description: The purpose of this course is to allow for student athletes to improve their physical fitness level through the bigger faster stronger program. The focus of this program is on strength, endurance, agility skills training, and flexibility of the individual. OTHS teachers and supervise proper technique of the program's core lifts, with a major emphasis on proper spotting and safety procedures. In conjunction with this course, progress monitoring of student health-related fitness levels based on the Fitnessgram assessment program will continue throughout a student's four years of high school. Aerobic capacity, body composition, flexibility, muscular strength, muscular endurance and body composition will be assessed. Ongoing assessments will include both written and performance-based evaluations. Class sizes are limited; juniors and seniors will be given preference as schedules permit.

Health

Healthy Living 10 – 11 – 12 1 Credit Semester Course

Prerequisite: Permission from the director of special needs services

Course Description: All students enrolled in Healthy Living will study the direct and factual approach to health education that is practical, personal and positive. Health topics include: safety, drug education, disease prevention, family living, nutrition, personal health, growth and development, building self-esteem and relationship skills. By acquiring knowledge, attitudes, and skills necessary to a healthful life, students will learn to take responsibilities for their own health.

Health 10 1 Credit Semester Course

Prerequisite: None

Course Description: This course provides the sophomore student with the current information in the fields of personal, environment and community health. Students will gain valuable information in the following areas:

1. Mental Health – including personality, self-esteem, stress management, mental disorders and suicide prevention
2. Human Development – including reproduction, heredity, pregnancy, birth, contraception, sexually transmitted diseases, childhood, adolescence, adulthood, aging, death and organ/tissue transplant and donation.
3. Nutrition
4. Substance Abuse – including prevention of alcohol, tobacco and drug abuse
5. Disease Prevention
6. Injury Prevention - including first aid and CPR

The students will engage in a daily ongoing evaluation of their overall health wellness. Students consider making better choices in relationship to risk behaviors, which ultimately will allow them to live longer, healthier, and productive lives.

Sports Medicine 11 - 12 2 Credits Year Course

Prerequisite: Successful completion of Health (Application required, see counselor)

Course Description: **Credit for this course does not count toward physical education and health graduation requirements.** In this course students will learn proper protocol when dealing with sports-related injuries. The class will discuss assessment and evaluation of injuries, as well as the treatment and rehabilitation of these injuries. The class encompasses both lecture and lab portions of the class. Athletic taping of arches, ankles, shins, elbows, wrists and fingers will be required as well as wrapping shoulders, knees, and hips. The use of the computer lab to study human anatomy will also be a required portion of the lab.

Drivers Education

Drivers Education 10 – 11 - 12 1 Credit Semester Course

Lab Fee: (during the school year)

- A \$20.00 fee is used to purchase permits, this is made payable to the Secretary of State and may not be waived under any circumstances.
- A \$175.00 fee is made payable to Ottawa Township High School and is due at the conclusion of the second week of class.

Course Description: Drivers Education is an elective course which requires students to participate in classroom instruction and lab (Behind The Wheel) portions of the class. The classroom portion will meet for nine weeks. Students who accumulate three or more absences during this nine week grading period may be dropped from the class. The lab portion of the class will take place during the second nine weeks following successful completion of the first nine weeks grading period. Students will drive 12-14 days, depending on vehicle availability. On non-driving days, students report to an assigned study hall. This course is also offered in the summer for students who were unable to take the course during the school year. (Based on availability)

Before being admitted to Drivers Education the students must meet the following requirements:

1. Turn 16 the semester they enroll in driver's education.
2. Receive at least 8 credits during the first two previous semesters in courses that carry a GPA. (Example: P.E. does not count toward the 8 credits.)

Additional Information:

1. Summer School: Must turn 16 before January 15 of the next school year.
2. Students may NOT request both summer driving/driving during the school year – choose one or the other.
3. Students who do not pass the first nine weeks (classroom portion of the course) will not be allowed to drive in the lab portion on the class (Behind the wheel.)
4. This course is not required for graduation.

Foreign Language

German I 9-10-11-12 2 Credits Year Course

Text: Komm Mit - Level I

Course Activities:

1. Oral, listening and written exercises from textbook
2. Written exercises in workbook
3. Oral presentation of lesson dialogs and daily conversational practice
4. Use of supplementary materials such as games, audio-visual material, puzzles, charts, worksheets, etc.
5. Quizzes and tests
6. Semester exams
7. Discussion of culture and customs of German speaking countries.

German II 10-11-12 2 Credits Year Course

Prerequisite: Successful completion of German I – A grade of “C” or above is strongly suggested.

Text: Komm Mit - Level II

Course Activities:

1. Oral, listening and written exercises from textbook
2. Written exercises in workbook
3. Oral presentation of lesson dialogs and daily conversational practice
4. Use of supplementary materials such as games, audio-visual material, puzzles, charts, worksheets, etc.
5. Quizzes and tests

6. Semester exams
7. Discussion of culture and customs of German speaking countries

German III **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of German II – A grade of “C” or above is strongly suggested.

Text: Komm-Mit - Level III (Ch. 1-6)

Course Description: Same as German I and German II including a selection of literary work with questions for discussion or written work also, authentic assessments in the form of projects and presentations in German.

German IV **12** **2 Credits** **Year Course**

Prerequisite: Successful completion of German III – A grade of “C” or above is strongly suggested.

Text: Komm Mit - Level III (Ch. 7-12)

Course Description: Same as German III including a review of German grammar and a selection of literary work with questions for discussion or written work also, authentic assessments in the form of projects and presentations in German.

Spanish I **9-10-11-12** **2 Credits** **Year Course**

Text: ¡Exprésate! Level I (Ch. 1-6)

Course Activities:

1. Introduction
2. Textbook and supplemental oral/written activities
3. Listening and speaking comprehension activities
4. Video and audio activities
5. Vocabulary and lesson quizzes
6. Chapter tests
7. Semester exams
8. Supplementary cultural activities

Spanish II **10-11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Spanish I – A grade of “C” or above is strongly suggested.

Text: ¡Exprésate! Level I (Ch. 7-10) and ¡Exprésate! Level II (Ch. 1-3)

Course Activities:

1. Textbook and supplemental oral/written activities
2. Listening and speaking comprehension activities
3. Video and audio activities
4. Vocabulary and lesson quizzes
5. Chapter tests
6. Supplementary culture activities.

Spanish III **11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Spanish II – A grade of “C” or above is strongly suggested.

Text: ¡Exprésate! Level II (Ch. 4-9)

Course Activities:

1. Individual, paired and small group activities where students practice listening, reading, writing and speaking the target language.
2. Lesson quizzes and chapter tests
3. Authentic assessments in the form of projects and presentations in Spanish
4. Videos dealing with Hispanic culture

Spanish IV **12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Spanish III – A grade of “C” or above is strongly suggested.

Text: ¡Exprésate! Level II (Ch. 10) and Level III

Course Activities:

1. Individual, paired and small group activities where students practice listening, reading, writing and speaking the target language.
2. Vocabulary quizzes and chapter tests
3. Authentic assessments in the form of projects and presentations in Spanish
4. Videos dealing with Hispanic culture

Business and Consumer Education

Consumer Education (Macroeconomics Application Network) 11-12 1 Credit Semester Course

Prerequisite: Permission of the Director of Special Services.

Course Description: This course is a comprehensive consumer education program that has all the elements needed to simulate living in the real world after high school. Activities focus on everyday scenarios that help students develop a clear understanding of the steps they will need to take and the decisions they will need to make to set up and manage their households after finishing high school. Students will study such topics as; salaries, budgeting, personal income taxes, personal banking, housing costs and associated expenses, purchasing, credit, savings and investments, insurance, borrowing and repaying money, consumer rights and responsibilities, and travel, recreation, and vacations.

Computer Technology 9-10-11-12 1 or 2 Credits Semester or Year Course

Prerequisite: Permission of the Director of Special Services.

Course Description: Computer technology introduces students to many different forms of technology with emphasis on hardware and software used in conjunction with computers. In semester one, students will learn proper keyboard techniques, basic use of Microsoft Word, PowerPoint, Excel, internet search techniques, and available tools on the internet. In semester two, students will learn the more advanced features in Word, PowerPoint, and Excel. Students will be introduced to digital photography/videography, and basic computer troubleshooting.

Study Skills & Test Taking Strategies 9-10-11-12 1 Credit Semester Course

Course Description: This course is open to all students who need help with taking notes, reading textbooks, managing time, and taking tests and test anxiety. Strategies presented include Cornell notes, SQ3R textbook study system, note cards, study tips for various types of tests, and tips for overcoming test stress and anxiety.

Introduction to Business 9 2 Credits Year Course

Fulfills Consumer Education Graduation Requirement

Course Description: This introductory level class introduces students to the business world and helps them prepare to deal successfully with – and become a part of – the business community. This offering is designed to help students understand the role of business in a free enterprise economic system. It provides economic principles, concepts, and understandings for preparation of individuals as effective citizens, consumers and employees/employers, participating in the American economy. This class will develop students' abilities to make personal financial decisions in the areas of budgeting, record-keeping, insurance, real estate, transportation and financial institutions and services. Students will learn about topics such as speedwriting, advertising, nutrition, grocery shopping, auto ownership, housing, clothing, banking services, credit, taxes, insurance, and consumer action.

Computer Concepts 9-10-11-12 1 Credit Semester Course

Course Description: Computer Concepts is an introductory course and a prerequisite for all other computer courses. This one semester course teaches the touch method of alphabetic and numeric keyboarding while introducing basic computer skills. Students learn to format documents such as letter, memos, reports, and tables for personal, classroom, and business use. Students use Microsoft Word to format documents and are introduced to the basic elements of Microsoft Excel, Publisher, and PowerPoint. Success in this course will allow students to be successful on the IVCC Keyboarding proficiency exam.

Microsoft Office 9-10-11-12 1 Credit Semester Course

Prerequisite: Successful completion of Computer Concepts

Course Description: Microsoft Office is an all-in-one class that contains everything a student needs to learn the basics of computers and Microsoft Office 2016 Word, Excel, and PowerPoint. Multiple learning activities, including virtual hands-on labs, are designed to develop proficiency in Microsoft Office skills. The course is uniquely designed to help students obtain academic and career success. At the end of the class, students will have the opportunity to receive Microsoft Office certification.

Introduction to Multimedia 9-10-11-12 1 Credit Semester Course

Prerequisite: Successful completion of Computer Concepts

Course Description: This course is an introduction to the study and creation of multimedia using Adobe CS4. Students will be introduced to photo editing, graphic design, sound editing, animation, and web design. The course is designed as a survey course in which students can explore various aspects of multimedia and determine which of those aspects they may wish to pursue further.

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|--|-------------------|------------------|------------------------|
| Web Design | 9-10-11-12 | 1 Credit | Semester Course |
| <u>Prerequisite:</u> Successful completion of Computer Concepts | | | |
| <u>Course Description:</u> Web page design is one of the workforce skills in greatest demand. Students will learn to design web pages while learning the basics of hypertext markup language and CSS along with web page editing. The semester will be capped off with a business simulation in which students will go through the steps of designing a site for a business from start to finish. | | | |
| Digital Communications | 10-11-12 | 1 Credit | Semester Course |
| <u>Prerequisite:</u> Successful completion of Computer Concepts | | | |
| <u>Course Description:</u> This course is an introduction to current and emerging technologies. Throughout the semester, students will interact and experience the latest digital tools through blogging, branding, social media content creation, and managing syndicate online materials. The course is designed as a survey course in which students can explore the different aspects of marketing, branding, and professional social media use in the business world. | | | |
| Personal Finance | 11-12 | 1 Credit | Semester Course |
| <i>Fulfills Consumer Education Requirement</i> | | | |
| <u>Course Description:</u> The purpose of this course is to orient students to their role as consumers in the free enterprise system. As a result, students should be better able to participate as citizens, workers, and consumers. This course will teach students how to manage their personal resources by making informed choices as consumers in the marketplace. The abilities to make personal financial decisions in the areas of budgeting, record keeping, insurance, real estate, and financial institutions and services will be emphasized in the learning activities. | | | |
| Accounting | 11-12 | 2 Credits | Year Course |
| <u>Course Description:</u> Accounting is designed to introduce students to the basic concepts of accounting theory and fundamental principles. Students are given a thorough knowledge of the accounting operations used in a business by learning to analyze transactions, record them in a journal and post them to the appropriate accounts in the ledger. Students cover all steps involved in completing an accounting cycle. Knowledge of accounting may prove helpful to each student for personal use as well as those students who plan to major in business in college. | | | |
| Marketing/Sales | 11-12 | 1 Credit | Semester Course |
| <u>Course Description:</u> This course is designed to teach students marketing principles and practices as well as an overview of retailing and retail functions. Emphasis will be placed on the study of the principle markets for products and services, channels of distribution and the many activities and job opportunities that occur as a product moves from its point of origin to its point of use. Consideration is given to such topics as buying habits and motives, marketing research, product planning, advertising and sales promotion, selling activities and basic economic principles. Students will be required to participate in: market research, target marketing, promotion and sales, designed to foster a greater understanding of the marketing process. | | | |
| Business Law | 11-12 | 1 Credit | Semester Course |
| <u>Course Description:</u> Students will gain the practical knowledge of business law in everyday life and in the business world. This course is designed to help the students develop a better understanding and appreciation of the rights and obligations of all citizens in their civic and business affairs. Students will study the trial system and attend a session at the criminal and civil courts. Projects will include the integration of technology to research current topics related to the types and kinds of laws regarding criminal, civil, family, consumer, and contract law areas. | | | |
| Business Principles & Entrepreneurship | 11-12 | 1 Credit | Semester Course |
| <u>Course Description:</u> This is an upper level course covering management, marketing, finance and labor relations. Students will study the business plan and how to start up and expand a small business. Students who major in business will find this course beneficial. | | | |
| Economics | 11-12 | 1 Credit | Semester Course |
| <u>Course Description:</u> Successful completion of this course fulfills the Consumer Education graduation requirement. Economics consists of an introduction to the forces directing our economy. Major concepts of both microeconomics and macroeconomics will be studied. Students going on to college, especially in the area of Business or Social Science should have this course. | | | |
| Applied Consumer Economics | 11-12 | 1 Credit | Semester Course |
| <u>Course Description:</u> Successful completion of this course fulfills the Consumer Education graduation requirement. Utilizing the Junior Achievement materials, the course provides students the opportunity to interact on a regular basis | | | |

with a representative of the local business community. There is a strong focus on mathematics, reading, writing, and team building skills through a variety of hands-on activities and supplemental material. Students will enhance their understanding and take advantage of America's Free enterprise System by creating and building a student-run business. Students will market and sell a product throughout the semester.

Cooperative Education **12** **6 Credits** **Year Course**

Prerequisite: Student must have the high school courses necessary to be prepared to successfully pursue occupational training from the local businesses in the Ottawa Township School District.

Course Description: The co-op class fulfills consumer education requirements for those students successfully completing a full year. This program is designed to give students an opportunity to receive further training in their chosen vocational area. A student enrolled in the program attends school four periods daily and works on-the-job for three periods. Physical Education and Co-op class are required as two of the four periods on-campus. Classroom material includes job-related topics, employment law, writing resumes and handling money.

Enrollment Procedure: Student must obtain an application for Co-op from his or her counselor or in room 109. The application must be completed and the applicant interviewed prior to the end of the school year. During registration the student will be asked to fill out a complete schedule excluding Cooperative Education. Placements will be made over the summer at which time students will be notified and required to make a schedule change. Students may enroll in Co-op mid-year.

Agriculture

Introduction to Agriculture **9-10** **2 Credits** **Year Course**

Course Description: This course introduces students to the agricultural industry, the history and importance of agriculture, and how the industry is organized; agriculture's major components and basic concepts; the economic influence of agriculture at the local, state, national, and international levels, and the scope and types of career opportunities available in the field of agriculture. Areas of study include concepts in basic animal science, basic agricultural mechanization, basic science and technology in agriculture, agricultural occupations, basic soil science principles, basic food science technology, wildlife ecology, basic horticulture and landscaping, hydroponics, aquaculture microcomputer applications in agriculture and the history and organization of the FFA. Students will have the opportunity to participate in FFA activities.

Basic Agriculture Science **10-11** **2 Credits** **Year Course**

Course Prerequisite: Successful completion of Biology or Introduction to Agriculture.

Course Description: This course builds on basic skills and knowledge gained in Introduction to Agriculture. Major units of instruction include agriculture research, soil science, natural resources management, advanced plant science, and biotechnology. Applied science and math skills and concepts will be stressed throughout the course as they relate to each area. Improving computer and workplace skills will be a focus throughout the course. Students will have the opportunity to participate in FFA activities.

Animal Science **10-11-12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of Biology or Introduction to Agriculture.

Course Description: This course does not meet NCAA Clearinghouse requirements. This course introduces the principles of zoology through the study of wild vertebrate animals of North America. This course gives the descriptions of lives, structures, growth, and classification of species in their natural habitats, and raises critical thinking questions to initiate the steps taken in the process of scientific discovery. This course also helps the student appreciate how each animal is adapted to its environment and highlights ways that humans and animals can reduce competition for resources that are needed by both. Students taking this course will receive science credit towards graduation and also have the opportunity to join and participate in FFA activities. This course only meets 4-year Illinois college entrance requirements.

Agribusiness Management **10-11-12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of Introduction to Agriculture.

Course Description: Successful completion of this course fulfills the Consumer Education graduation requirement. This course is designed to develop the student's business and managerial skills. Students will develop the decision making and entrepreneurial skills necessary for the operation of a successful business. Areas of study include the impact of technology on agriculture, keeping and using records, economic principles, basic business organization, financing the

business, agricultural law, insuring the business, career establishment in an agricultural occupation, microcomputer applications, marketing agricultural products and services, aquaculture, wildlife conservation, economic principles of livestock production, food science, genetic applications in agriculture, advanced care and health management of animals and their environment, and agricultural engineering and mechanization. Students will have the opportunity to participate in FFA activities. *Agribusiness Management and Environmental Science are offered in alternate years to Landscape Design and Maintenance and Natural Resources Management. Please see your counselor or Mrs. Farnsworth for details.*

Industrial Technology Education at OTHS

The purpose of Industrial Technology Education is two-fold: exploration and occupation training. The first two years offers primarily for freshman and sophomores, basic knowledge and occupation orientation in areas such as drafting/CAD, electricity-electronics, power, and woodworking. The intent is to provide the students with information that will enable them to make tentative occupation choices prior to their junior year. The second phase of courses provides students with skills necessary for continued post-high school career education or employment.

Introduction to Technology Course 9 1 Credit Semester

Course Description: This class is designed to allow the student to learn about as many areas of technology as possible in the time period and space available. The course will help prepare the student to function as a productive, knowledgeable citizen in our technological world. Technology involves the practical application and use of reading, writing, problem-solving, science, and math. In this class, students must take an active role in their studies. Students will cover topics relating to Technology, Computer Aided Design, and Robotics.

Carpentry/Plumbing 9-10-11-12 1 Credit Semester Course

Course Description: This beginning level course exposes students to the opportunities available in the areas of carpentry and plumbing. Students will learn about how carpentry and plumbing are involved in the construction process. Students will be engaged in a variety of small projects.

Welding/Electricity 9-10-11-12 1 Credit Semester Course

Course Description: This beginning level course exposes students to the opportunities available in the areas of welding and electricity. Students will learn about how welding and carpentry are involved in the construction process. Students will be engaged in a variety of small projects.

Power Technology 10-11-12 1 Credit Semester Course

Course Description: This course is a prerequisite for those students wanting to enroll in Automotive Technology. The course will cover the different forms of power and how that power is harnessed to do work. Some of the forms of power that will be studied are: Fossil Fuels such as oil, coal and natural gas, as well as electricity, steam, wind, nuclear, solar and bio-fuels. The lab will consist of taking apart a small gas engine, making crucial measurements and then reassembling the engine so that it starts. Some rudimentary welding skills may be taught if time allows. Classroom textbooks are used for weekly reading and worksheet assignments. Course is split about 80% classroom to 20% lab time. Students must supply their own safety glasses and meet the safety requirements of the course including the passing of a safety test.

Basic Home Repair 10-11-12 1 Credit Semester Course

Course Description: This course includes the skills and learning experiences needed to perform basic home repairs. These experiences provide the students the opportunity to become more knowledgeable in variety of practices associated with home repairs. Hands-on activities will be used to advance the skills of the students.

CAD I (Computer Aided Drafting & Design) 10-11-12 1 Credit Semester Course

Course Description: This is a beginning course using CAD in mechanical drawing concepts and processes that exposes the student to the basics of computer aided drafting. Students interested in engineering and/or any field related to the tech-industrial field should be encouraged to enroll in this course. In 18 weeks, the student will develop skill in using the computer and software using the latest release of AutoCAD, and will have the opportunity to become certified in Autodesk AutoCAD. Students will prepare basic mechanical drawings. This is a lab course with emphasis on skill development. Math skills are essential and students who have had Algebra 1 and Geometry will have a better understanding of drafting concepts (these are not prerequisites course requirements). The nature of the course being a series of lab experiences requires good daily attendance.

CAD II (Computer Aided Drafting & Design) 10-11-12 Credit Semester Course
Prerequisite: Successful completion of CAD I
Course Description: This is a continuation of CAD. I. The same software used in CADD I will be used to create advanced drawings in those areas covered in the beginning course. Having mastered the CAD software in CAD I emphasis will be placed on introducing the students to new types of drawings used in industry. Method of determining the student's grade will be the same as stated in CAD I. Students who complete CAD I and CAD II with an average of 80% or better will receive College credit from Illinois Valley Community College of 3 semester hours at no cost or any testing requirements.

CAD III – Engineering 11-12 2 Credits Year Course
Prerequisite: Successful completion of CAD II
Course Description: This is an advanced course in Computer Aided Design (CAD) which uses the Autodesk Design Academy suite of software including, three dimensional design software (Inventor) AutoCAD latest versions of software for Computer Aided Drafting and Design work. Autodesk is the number one CAD software used in colleges, universities and modern industry. The student will complete assignments in advanced multi-view, sectional, and pictorial drawings, 3D modeling and 3D assembly models. In addition, new material will be introduced consisting of projection theory, advanced dimensioning procedures and tolerance, thread and fastener drawings; auxiliary and revolution drawings; working and assembly drawings to include 3D assemblies and models. Project will incorporate all the materials studied throughout the course of the year.

CAD III – Architecture 11-12 2 Credits Year Course
Prerequisite: Successful completion of CADD II
Course Description: This is an advanced course in Computer Aided Drafting and Design (CADD) which uses the Autodesk Design Academy suite of software including, three dimensional design software. This course teaches the student how to use AutoCAD to generate architectural drawings. Students will use the Autodesk Design Academy suite of software. The student will be instructed through guided lecture and computer experience. Students, learn how to develop a complete set of drawings for house construction. Emphasis is placed on developing a precise set of drawings with accurate dimensions. Topics to be covered will, architectural styles, area planning, cost analysis, house orientation, etc. Each student will be required to design 2 homes including all working drawings for construction. Students' will also learn concepts related to topography and topographical and legal descriptions as it relates to Architecture. Student will construct a Model structure to better understand building construction and its relationship to design.

Vocational Auto Mechanics I (2 class periods daily) 11-12 4 Credits Year Course
Prerequisite: Successful completion of Power Technology
Course Description: This course is designed for the student who wants to enter one of the many automotive career fields. Some topics covered in this course will be a general overview of most automotive systems, component identification, general maintenance, preventative maintenance, engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering, safety procedures, troubleshooting, reading and interpreting technical information and diagrams, and employment opportunities in these fields. Safety is of prime importance and will be stressed throughout the course. Students will provide their own safety glasses, pay for any materials used, and pass a safety test before being allowed to participate in lab activities. Classroom to lab time is split about 20% classroom to 80% lab time.

Vocational Auto Mechanics II (2 class periods daily) 12 4 Credits Year Course
Prerequisite: Successful completion of Vocational Auto Mechanics I.
Course Description: This course is designed for the student who wants to enter one of the many Automotive Career fields or continue their education in these fields. Some topics covered in this course will be an overview of current and future automotive systems, component identification, brakes, electrical/electronic systems, heating and air-conditioning, engine performance, safety procedures, reading and interpreting technical information and diagrams, troubleshooting and employment opportunities in these fields. Safety is of prime importance and will be stressed throughout the course. Students will provide their own safety glasses, pay for any materials used, and pass a safety test before being allowed to participate in lab activities. Classroom to lab time is split about 20% classroom to 80% lab time. Note: This follows the *National Automotive Technicians Education Foundation* task list and *Automotive Service Excellence* guidelines.

Career Education at the Area Career Center

All Classes are 2 hours per day at the Area Career Center, LaSalle-Peru High School

Aviation I/II 11-12 2 Credits Semester Course

Required Supplies: None.

Course Description: This course is focused on taking students through the elements included in the ground school portion of an aviation education program. Major topics include, but are not limited to, a fundamental study of the technical subject matter necessary to operate safely as private pilot. This includes basic aerodynamics and aircraft performance, aviation regulations, cross-country flight planning, basic meteorology, aeromedical factors, and aeronautical decision-making. Students will be exposed to careers across the aviation industry and have the opportunity to be taken up in flight on at least two occasions.

Building Trades I 11-12 4 Credits Year Course

Required Supplies: Students may buy safety glasses or borrow from ACC (required equipment).

Course Description: Students enrolled in Building Trades will learn the skills necessary to pursue a career in the Carpentry Profession. In addition to learning how to properly use hand and power tools students will learn how to design and construct stair risers, raise general framing, install roofing, and perform interior and exterior finish work. Whenever possible students will put their skills to work in off-site construction projects. Students will be eligible to earn an OSHA 10-hour safety credential, as well as earn certification in construction and safety through the NCCER curriculum.

Building Trades II 12 4 Credits Year Course

Prerequisite: Successful completion of Building Trades I.

Required Supplies: Students may buy safety glasses or borrow from ACC (required equipment).

Course Description: This second year of the Career and Technical Education series in Building Trades is a continuation and expansion of the first course.

Residential Wiring I 11-12 4 Credits Year Course

Required Supplies: Students may buy safety glasses or borrow from ACC (required equipment).

Course Description: Students taking this course will be taught a curriculum that is designed to instill in them the basic knowledge necessary to become a residential electrician. Students will learn how to read, create, layout, and diagnose electrical blueprints. Additionally, as part of a hands on experience students will learn how to hang light fixtures, install smoke detectors, as well as build and install a main service panel with electrical breakers. Enrolled students will be eligible for five college credit hours from IVCC.

Residential Wiring II 12 4 Credits Year Course

Prerequisite: Successful completion of Residential Wiring I.

Required Supplies: Students may buy safety glasses or borrow from ACC (required equipment).

Course Description: This second year of the Career and Technical Education series in Residential Wiring is a continuation and expansion of the first course.

Basic Fire Skills/Emergency Medical Responder 11-12 4 Credits Year Course

Required Supplies: None.

Course Description: This course is designed to provide students with the basic skills and knowledge to provide emergency medical treatment as well as understand the techniques needed to fight and extinguish fires. The course is run as a working fire house with students assigned roles and duties to simulate this experience. Students will be eligible for four college credit hours by completing the emergency Medical Responder certification through IVCC.

Basic Fire Skills II 12 4 Credits Year Course

Prerequisite: Successful completion of Basic Fire Skills/Emergency Medical Responder.

Required Supplies: None.

Course Description: This second year of the Career and Technical Education series in Basic Fire Skills is a continuation and expansion of the first course.

Welding I **11-12** **4 Credits** **Year Course**

Required Supplies: Welding gloves, helmets, aprons, etc. are provided. Students are expected to wear proper shoes, and appropriate clothing. Students may wish to purchase their own safety glasses and apparel.

Course Description: Students enrolled in this course will learn proper welding techniques and procedures. The first year introduces students to basic techniques, tool use, and safety. Second year students will continue to learn more advanced methods, and will build upon skills learned in the first year. Students who successfully complete the course will be eligible for four proficiency hours and six hours of college credit from IVCC. Additionally, students will be exposed to, and taught use of plasma cutters with CNC controllers.

Welding II **11-12** **4 Credits** **Year Course**

Prerequisite: Successful completion of Welding I.

Required Supplies: Welding gloves, helmets, aprons, etc. are provided. Students are expected to wear proper shoes, and appropriate clothing. Students may wish to purchase their own safety glasses and apparel.

Course Description: This second year of the Career and Technical Education series in Welding is a continuation and expansion of the first course.

Machine Technology I **11-12** **4 Credits** **Year Course**

Required Supplies: Students may buy safety glasses or borrow from ACC (required equipment).

Course Description: Students enrolled in this class will learn to operate lathes, mills, grinders, presses, band saws, and state of the art CNC equipment to manufacture projects of their own design. Students will be eligible for four college credit hours from IVCC. In addition, students enrolled for a second year will have opportunity to earn Manufacturing Production Technician Certification through the use of the Manufacturing Skills Standards Council curriculum.

Machine Technology II **12** **4 Credits** **Year Course**

Prerequisite: Successful completion of Machine Technology I.

Required Supplies: Students may buy safety glasses or borrow from ACC (required equipment).

Course Description: This second year of the Career and Technical Education series in Machine Technology is a continuation and expansion of the first course.

Health Occupations I **11-12** **4 Credits** **Year Course**

Prerequisite: At ACC only if not offered at OTHS. Limited placements available; student's grades and attendance will be considered if there are more applicants than positions available.

Required Supplies: Scrubs. Fees: \$35.00 Background check; \$65.00 Certification exam; \$TBA TB Skin Test; \$60.00 Textbook (optional)

Course Description: Students enrolled in this course will learn basic anatomy and physiology terminology as well as patient care skills (such as taking vital signs). In the second semester students will get the hands on clinical experience required by the Illinois State Department of Public Health to become a certified Nursing Assistant(CNA).

Health Occupations II **12** **3 Credits** **Year Course**

Prerequisite: Successful Completion of Health Occupations I. At ACC only if not offered at OTHS. Limited placements available; student's grades and attendance will be considered if there are more applicants than positions available.

Required Supplies: Scrubs. Fees: \$60.00

Course Description: This second year of the Career and Technical Education series in Health Occupations is a continuation and expansion of the first course. Second year students will earn credit for IVCC's Medical Terminology (3 credit hours). If students complete both years they will be eligible for 13 dual credit hours through IVCC.

Computer Repair and Maintenance **11-12** **2 Credits** **Semester Course**

Required Supplies: None.

Course Description: Students taking this course will experience hands on and theory based instruction in repairing and maintaining computers and their peripheral attachments. Installation and updating of software, as well as removal and diagnosis of computer virus' and malware, will provide additional elements of instruction within the

professional equipment. Students with financial difficulties who cannot afford the required supplies should check with their counselor, principal or teacher. No student will be refused placement due to financial difficulties.

Vocational Culinary Arts **12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Foods II

Activity Fee: \$10 per semester

Course Description: This course is designed for those students with an interest in working in the food service and hospitality industry. Techniques and projects are all designed to give students a taste of professional operations. Units include: passing a sanitation & safety test, cooking “challenges” and competitions, more advanced cooking techniques, and utilization of professional equipment. Students will learn knife skills, food styling, meals and planning for restaurant meals, catering projects, lunches, and advanced food preparation. Guest speakers and visiting chefs are an important part of learning what makes a professional. Students with financial difficulties who cannot afford the required supplies should check with their counselor, principal or teacher. No student will be refused placement due to financial difficulties.

Sewing **10-11-12** **2 Credits** **Year Course**

Course Description: This lab class stresses clothing construction techniques involving the computerized sewing machines and hand sewing. Students will construct such projects as sleepwear, tote bags, crafts, and quilts. STUDENTS ARE RESPONSIBLE FOR THEIR OWN FABRICS, PATTERNS, AND SEWING SUPPLIES. Students learn how to read a commercial pattern, renovate and repair existing clothing, and embellish fabric. Second semester will be more independent work with each student working at advanced projects. STUDENTS MAY ENTER THE COURSE AT SEMESTER TIME WITH PERMISSION OF THE INSTRUCTOR.

Fashion Merchandising **11-12** **1 Credit** **Semester Course**

Course Description: This class explores the world of fashion merchandising, visual merchandising, advertising, and store organization through field trips and analysis of existing facilities. Projects include: creation of a store, developing a multi-media advertising campaign, reporting on period costumes that relate to history, exploring fashion designers and their impact on fashion, and creating store-front displays at OTHS and additional visual merchandising activities. Students interested in a future in fashion or looking for job skills in visual merchandising for other fields should find this class helpful.

Fashion Design **11-12** **1 Credit** **Semester course**

Course Description: Fashion Design is a semester long, hands on course for any student interested in the creative side of the fashion industry. Topics covered will include fashion illustration, history of fashion and fashion designers, textile design, trend forecasting, and careers. The main goal for this class is to focus on the inspiration of each student and how to creatively express that through fashion. Fashion design is a non-sewing, project-based class and it is suggested that students take this course opposite of Fashion Merchandising.

Adult Living **11-12** **1 Credit** **Semester Course**

Course Description: Adult Living is a class designed for life after high school. It includes practical information for college and jobs, as well as helpful ways to handle your everyday life. This course is designed to assist individuals and families in achieving life satisfaction through responsible participation as adults in the home, community and workplace. The course content includes: developing short and long-range plans, demonstrating goal setting and decision-making skills; developing proficient money management skills; evaluating and adapting basic needs to assume roles and responsibilities; recognizing and following health practices that assist in coping, selecting and using resources to enhance individual growth and development; developing effective relationships to promote communication with others; understanding what parenthood entails and the foundation and characteristics that make up a family; and identifying resources.

Child Development **11-12** **1 Credit** **Semester Course**

Course Description: Child Development is a course designed for students who are planning to pursue any occupation related to children. This course provides information about conception, pregnancy and the delivery of a baby. Other topics include growth and development of infants and young children up to age three. Emphasis is placed on parental roles, responsibilities, and guidance techniques in disciplining and educating children.

Art IV – AP 2D Studio Art **12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Art III – Advanced Concepts in Art and the AP Portfolio Application

Course Description: The Advanced Placement Art course is designed to prepare students for college, give them the necessary studio experiences to nurture their creativity and allow students the opportunity to earn college credit at accepting universities. Students enrolled in AP 2D Studio Art continue to explore and build on the techniques, skills, theories, and principles learned in their beginning and intermediate art courses. Students have the opportunity to more fully explore, expand, and master their talents and abilities in drawing, painting, and design. The focus of this course is on two-dimensional art forms and is recommended for the serious art student. Quizzes and tests are included in the curriculum and students are expected to maintain a notebook/sketchbook to reinforce the concepts presented. Advanced placement requirements are introduced during the first week of the school-year. It is explained that the focus of the AP class is to enable AP students to develop and grow artistically, creatively, and to engage their critical thinking and problem solving skills. Students develop a body of related works for their concentration derived from a planned investigation that is of personal interest to them. The three individual section requirements of the portfolio are quality, concentration, and breadth. The 24 piece portfolio is due in May and sent to the College Board for review. The portfolio serves as the written exam.

Crafts **9-10-11-12** **2 Credits** **Year Course**

Lab Fee: \$10.00

Course Description: Students selecting this course will explore with various materials and processes through the production of contemporary crafts. Students will be introduced to techniques such as: natural dyeing, basket weaving, batik, textile design, printmaking, sculpture, leather tooling, paper mache, and clay. Second semester is devoted to the study and production of ceramics (clay). Students will learn the entire ceramic process from basic hand building techniques (pinch, coil, and slab building), to firing, and glazing. Additional demonstrations such as slip casting, wheel throwing, and raku firing will be made throughout the course. Projects will vary according to student interest, contemporary trends in the artworld, and the availability of supplies and equipment. A student may register for either or both semesters. Some drawing will be required, but the art making emphasizes the exploration of the material and process. Students should expect to spend approximately \$10.00 on their own supplies for certain projects in class. Students with financial difficulties who cannot afford to buy the required supplies should check with their counselor, principal, or teacher about resources. No student will be denied entry into class due to financial circumstances.

Three-Dimensional Design **10-11-12** **2 Credits** **Year Course**

Prerequisite: Successful completion of Art I – Foundations of Art and/or Crafts

Lab Fee: \$20.00

Course Description: This course introduces students to ideas and communication through 3d-design principles. This class is a continuation of Crafts but designed to cover more advanced methods of making. Students will explore sculpture through various contexts including art and its role in society, art history, contemporary artists, creative exploration, and problem solving. Students will learn a variety of techniques, media, and art-making strategies in order to create original works. Students will experiment with cardboard, wood, fabric, reed, plaster, clay, paper, metal, and paper mache. Some drawing will be required, but they will mostly work with building in the three-dimensional form. The student should be prepared to collect and purchase their own supplies throughout each semester. They should expect to spend approximately \$20.00 depending on individual choices made about the types of projects and materials necessary. Students with financial difficulties who cannot afford to buy the required supplies should check with their counselor, principal, or teacher. No student will be refused entrance to class due to financial circumstances.

Digital Art and Design **10-11-12** **Credit** **Semester Course**

Prerequisite: Foundations of Art

Lab Fee: \$15.00

Course Description: This course will introduce students to the progressive world of digital art. Students will explore the design process and develop techniques for creating computer-based artwork. The course utilizes Adobe's Creative Cloud software. Students will use the software to create projects that cover a wide spectrum of digital art careers. The projects in this course will cover logo design, corporate identity, print-based visual communication, digital painting, and character design. A strong emphasis will be placed on the history of graphic design and digital art to better prepare students for the competitive design market. If you like drawing, working with computers and challenging your creativity then this course will introduce you to a whole new side of the art world. Computer

equipment will be furnished, and each student will be expected to maintain a digital portfolio. No students will be refused placement due to financial difficulties.

Digital Photography **10-11-12** **1 Credit** **Semester Course**

Prerequisite: Successful completion of Art I – Foundations of Art

Lab Fee: \$15.00

Course Description: This course is designed to introduce students to the art of photography. The students will learn how a digital SLR camera operates and techniques for improving their photographic composition. While in this course, students will also learn about career opportunities and examine the work of famous photographers. Since taking the picture is only part of a photographer's job, this class will also emphasize digital darkroom techniques through the use of Adobe Photoshop. Digital cameras will be available for the students to use during the semester. Students will be required to sign an equipment contract upon admission to the course. The contract is in place to ensure responsible handling of school property. Admission to this course will be limited. Admission will be based on Art Experience, grade level, and GPA. Students with financial difficulties who cannot afford the required supplies should check with their counselor, principal or teacher. No student will be refused placement due to financial difficulties.

Music

Instrumental Music - Band **9-10-11-12** **2 Credits** **Year Course**

Content/Activities:

1. Present three major concerts throughout the year (Fall, Winter, Spring)
2. Participate in the Illinois Music Educators Association (IMEA) District and All-State Music Festivals
3. Participate in the IHSA Solo & Ensemble and Organizational Contests
4. Participate in the Northern Illinois Big 12 Conference Music Festival
5. Participate in the OEHS Music Fest
6. Perform pre-game and half-time shows for all home football games
7. Perform at home boy's and girls' varsity basketball games
8. Participate in local parades
9. Provide music for graduation

Instrumental students study comprehensive musicianship through band performance. This includes: 1) developing technical and aural skills, 2) understanding the structural elements of music, and 3) gaining the knowledge of music as a creative art form of man in a historical context.

Choir **9-10-11-12** **2 Credits** **Year Course**

Content/Activities:

1. Present three major concerts throughout the year (Christmas, Winter, Spring)
2. Participate in the Illinois Music Educators Association (IMEA) District and All-State Music Festivals.
3. Participate in the IHSA Solo & Ensemble and Organizational contests
4. Participate in the OEHS Music Festival
5. Provide soloists, ensembles or large groups to perform the National Anthem at home football and basketball games
6. Provide music at graduation

The basic fundamentals in voice training, sight-reading, and music knowledge are approached and used as the groups study and perform examples of a variety of styles and periods of choral music.

Music Theory **11-12** **2 Credits** **Year Course**

Prerequisite: Open to students who have an understanding of music fundamentals. A student must pass a basic skills test to qualify for enrollment in the class.

Content/Activities:

1. Learning the fundamentals of music theory (pitch, meters, intervals, scales, key signatures, triads)
2. Roman numeral analysis and hymn analysis
3. Sight singing
4. Ear training leading to harmonic and melodic dictation
5. Music skills refined through the use of computers.
6. Music arranging and writing and studying music form and analysis.

Grades are calculated by completed homework assignments, tests and quizzes, and ear training exercises. THE OTHS MUSIC DEPARTMENT OFFERS OPUS (JAZZ CHOIR), AND JAZZ BAND AS EXTRA-CURRICULAR ACTIVITIES.

Independent Study

| | | | |
|--------------------------|-----------|-----------------|------------------------|
| Independent Study | 12 | 1 Credit | Semester Course |
|--------------------------|-----------|-----------------|------------------------|

Course Description: Independent Study is expected to be a sixth (if enrolled in P.E.), or seventh (if student has a P.E. waiver) subject, and is open only to seniors. Independent Study offers a student the opportunity to study and do research work in a chosen course not offered at OTHS, after all courses in the area of study offered by OTHS have been exhausted. The program of study is determined by the student faculty advisor and the student. Students must complete the Independent Study application process and submit it to the assistant principal by the enrollment deadline to receive consideration for an Independent Study.

Special Needs Program

Some classes listed in applicable Subject Areas

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|--------------------------|----------|------------------|--------------------|
| Global Strategies | 9 | 2 Credits | Year Course |
|--------------------------|----------|------------------|--------------------|

Prerequisite: Permission of the Director of Special Services.
Course Description: The student will participate in a variety of activities designed to improve his/her instructional skills. Along with a curriculum, this course will be designed for the student's needs as identified in their Individualized Educational program. Through the use of student's instruction assignments, emphasis will be placed on the development or improvement of organizational skills, instructional support for the required general curriculum, study skills methods, self-advocacy, transition, and adapting and compensating in order to be a successful learner/citizen.

| | | | |
|--------------------------------------|-------------------|--------------------------|-----------------------------|
| Basic Vocational Study Skills | 9-10-11-12 | 1 or 2 Credits(s) | Semester/Year Course |
|--------------------------------------|-------------------|--------------------------|-----------------------------|

Prerequisite: Permission of the Director of Special Services.
Course Description: This class accommodates individual needs while meeting general high school requirements with emphasis on basic skills, social behavior, vocational, and occupational training. The class will meet at least one period daily, based on the needs of the students. The number of credits is determined by staffing recommendations.

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|--------------------|-------------------|--------------------------|-----------------------------|
| Life Skills | 9-10-11-12 | 1 or 2 Credits(s) | Semester/Year Course |
|--------------------|-------------------|--------------------------|-----------------------------|

Prerequisite: Permission of the Director of Special Services.
Course Description: Students complete high school requirements utilizing a modified curriculum that will accommodate individual needs. Students also work on life skills, job skills, and opportunities for community based instruction. Instruction is provided in a classroom environment that follows the bell schedule.

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|--------------------------|--------------|------------------|--------------------|
| Global Strategies | 10-11 | 2 Credits | Year Course |
|--------------------------|--------------|------------------|--------------------|

Prerequisite: Permission of the Director of Special Services.
Course Description: The student will participate in a variety of activities designed to improve his/her instructional skills. Along with a curriculum, this course will be designed for the student's needs as identified in their Individualized Educational program. Through the use of student's instruction assignments, emphasis will be placed on the development or improvement of organizational skills, instructional support for the required general curriculum, study skills methods, self-advocacy, transition, and adapting and compensating in order to be a successful learner/citizen.

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|------------------------------------|-----------|--------------------------|-----------------------------|
| Global Post-Secondary Prep. | 12 | 1 or 2 Credits(s) | Semester/Year Course |
|------------------------------------|-----------|--------------------------|-----------------------------|

Prerequisite: Permission of the Director of Special Services as well as 12th grade status.
Course Description: This course will offer activities and curriculum designed to address post-secondary employment, education/training and independent living. Individual post-secondary goals will be explored and

developed. Along with curriculum, this course will be aligned to the student's needs as identified in their Individualized Educational program.

Transition Program

12+

Prerequisite: Permission of the Director of Special Services.

Course Description: The Transition Program provides quality transition services that foster the development of skills necessary for post-secondary education, adult education and training, adult service coordination, independent living, community participation, job/career planning, placement and support.

Course Requirements: Students age 19-22 with a disability indicated by an Individual Educational Plan who have completed their high school requirements but seek additional training/education transition related services.

****Note****

Students may receive services in the transition program until the day prior to their 22nd birthday.