



...PROVIDING EXCEPTIONAL,
PERSONALIZED EDUCATION

Whitmore Lake High School

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PATHWAY KEY



Arts & Communication



Health Sciences



Engineering, Manufacturing
& Industrial Technology



Business Management, Marketing
& Technology







Natural Resources & Agriscience









Human Services

ENGLISH COURSES








In June 2010, the State Board of Education adopted the Common Core State Standards (CCSS) as the new standards for K-12 **Mathematics** and **English Language Arts**. These standards improved upon Michigan's current standards (the Grade Level Content Expectations and the High School Content Expectations) by establishing clear and consistent goals for learning, and allow Michigan to work collaboratively with other states to provide curricular support to schools and educators. For Questions and Answers visit - http://www.michigan.gov/documents/mde/FAQ_4.10.13_418299_7.pdf



Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
ENGLISH LANGUAGE ARTS 	Grade: 7 Length: Year	Seventh grade English builds a foundation in reading and writing narrative, informational, and argument texts. Through analysis and production of text, students grow as readers, thinkers, and writers and will understand the distinctions between narrative, informational and argument texts. We study fiction and nonfiction in a variety of formats and develop an understanding of audience and purpose when both reading and writing. The use of a writer's notebook for each unit encourages students to be independent, engaged, and empowered learners who value close reading, idea generation, drafting, and revision.
ENGLISH LANGUAGE ARTS 	Grade: 8 Length: Year	Eighth grade English offers an in-depth study of various literary forms, as well as a challenging writing program that completes the middle school student's preparation for literary analysis and writing at the upper school level. The course is divided into several comprehensive units, each of which centers on a particular theme or genre. These thematic units also include a variety of short selections consisting of poems, essays, and articles. The goal is to provide a wealth of opportunity for you to grow as a perceptive reader, a critical thinker, and a competent writer.
FOUNDATIONS IN ENGLISH 	Grade: 9 Length: Year	Graduation Requirement. Foundations In English, required of all ninth (9th) graders, will develop the basic skills of English. The class will emphasize basic grammar, spelling, vocabulary, writing, and library/technology skills. Work in literature will include an introduction to the short story, poetry, drama, memoir, novel, and mythology. The class will familiarize the students with the main areas of English study, giving them a basis upon which to choose future English electives.
AMERICAN LITERATURE 10 	Grade: 10 Length: Year	Graduation Requirement. American Literature is a required course. Becoming well versed in the English Language Arts requires students to develop the skills to become thoughtful readers, writers, listeners, speakers, and viewers both inside and outside of the classroom. To meet this goal, American Literature 10 classes read and closely interact with a variety of narrative and informational texts, written mainly by American authors, to meet national reading standards. Students will develop their writing skills too – specifically through persuasive, narrative, explanatory and research writing.

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
HONORS JUNIOR ENGLISH 	Grade: 11 Length: Year	<p>This course will provide a survey of British and American Literature. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time, and how it is relevant now. Oral discussion is an integral part of literature courses, and written compositions are often required. The main literary emphasis will be on the critical analysis of English and American literature, although classic Greek literature will also be explored. In addition to reading literature, students will be given varied writing assignments. The course will stress improvement of analysis skills, writing skills, vocabulary, and grammar.</p>
AP LITERATURE AND COMPOSITION 	Grade: 12 Length: Year	<p>This class is designed to prepare students for college level work, and therefore, will be taught as a college-level course. The emphasis will be on analytical and evaluative skills. Assignments will evolve from various novels, short stories, plays, poems, and essays, and will assess both interpretive reading and writing skills. In addition, the students will be expected to complete various supplementary projects. The students may choose to take the Advanced Placement test at the end of the course in order to obtain possible college credit.</p>
ENGLISH 12 	Grade: 12 Length: Year	<p>English Language Arts 12 is designed to comply with the curricular requirements of the Common Core Standards of Michigan and aligned with the SAT requirements for Grade 12. The goal for this course is to refine, apply, and extend the solid foundation of knowledge, skills, and strategies developed in English Language Arts 9 through 11. Twelfth graders will identify and apply their own leadership skills and prepare for responsible action as American citizens in the context of a global world. Throughout English 12, students will develop their knowledge of textual elements and structures enabling them to engage in classroom reading of increasingly complex texts. Students will develop analytical skills and strategies that will give them the ability to access, navigate, and evaluate literature. The analysis of texts will focus on bias and point of view in writers and readers. Students will explore the influence of great writers of cultural situations. In addition, students will self-monitor the skills, habits, strategies, and processes they use to set goals and reflect on their growth. Updated 2017. Open to seniors only.</p>
AP LANGUAGE AND COMPOSITION 	Grade: 10-11 Length: Year	<p>The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.</p>
WRITING FOR PUBLICATIONS: TROJOURNAL AND YEARBOOK  	Grade: 9-12 Length: Year	<p>Writing for Publications is a year long course for students grades 9-12. This course is designed to provide students with the opportunity to produce the Whitmore Lake High School Iliad Yearbook and Trojournal Newspaper. Students will develop skills in journalism, page design, advanced publishing techniques, copywriting, editing, and photography while producing a creative, innovative high school newspaper and yearbook which records school memories and events. Students will gain useful, real world skills in time management, marketing, teamwork, and design principles. The curriculum for Writing for Publications is aligned to Walsworth Yearbooks and MIPA (Michigan Interscholastic Publications Press Association) to the state's Visual Performing and Applied Arts standards. Updated 2017.</p>


















MATHEMATICS COURSES




In June 2010, the State Board of Education adopted the Common Core State Standards (CCSS) as the new standards for K-12 **Mathematics** and **English Language Arts**. These standards improved upon Michigan's current standards (the Grade Level Content Expectations and the High School Content Expectations) by establishing clear and consistent goals for learning, and allow Michigan to work collaboratively with other states to provide curricular support to schools and educators. For Questions and Answers visit - http://www.michigan.gov/documents/mde/FAQ_4.10.13_418299_7.pdf

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
PRE-ALGEBRA 	Grade: 7-8-9 Length: Year	
ALGEBRA I 	Grade: 8-9 Length: Year Prerequisites: MATH 7	Graduation Requirement. Topics for Algebra I include the following: sets of numbers and their operations, solution sets of linear equations/inequalities, systems of equations, quadratic equations, polynomials, factoring, graphing in the coordinate plane, irrational and imaginary numbers, fractional equations, and various types of verbal problems.
GEOMETRY 	Grade: 9-10 Length: Year Prerequisites: ALGEBRA I	Graduation Requirement. Basic vocabulary and geometry will be covered together. The following basic topics will be discussed: induction, deduction, proofs, angle relationships, perpendicular and parallel lines on planes, similar and congruent triangles, similar polygons, circles, arc angles, area and volume of objects.
ALGEBRA II 	Grade: 10-12 Length: Year Prerequisites: ALGEBRA I	Graduation Requirement. This course will contain a review of all topics covered in Algebra I plus the introduction of the following topics: inverse relations and functions, rational exponents, radical functions, exponential and logarithmic functions, matrices and determinants, sequences and series, binomial expansions, and trigonometric functions.
FUNCTIONS, STATISTICS, AND TRIGONOMETRY (FST) 	Grade: 11-12 Length: Year Prerequisites: ALGEBRA II	This is an advanced class for those who are going on to college. We will cover the following topics: statements in sets, properties of fields, sequences and series, functions, complex numbers, graphing polynomial functions using derivatives, using logarithmic functions, circular functions and trigonometric identities, second degree loci and probability.
AP STATISTICS 	Grade: 11-12 Length: Year Prerequisites: ALGEBRA II	The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.
AP CALCULUS 	Grade: 11-12 Length: Year Prerequisites: PRE-CALCULUS	AP Calculus encompasses all the topics in the first semester of College Calculus. These are the topics that are assessed on the College Board's AB Math exam. Also includes an introduction to College Statistics.









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MATH SUPPORT 	Grade: 9-12 Length: Year	<p>This class is designed to support students who are concurrently registered in Core General Ed Math classes (Algebra 1a and 1b; Geometry A and B; Algebra 2a and 2b). We will review and clarify material already covered in students' regular Core Math course. Students will receive additional time to complete assignments and tests. When we have time, I plan to pre-teach material which students can expect to see in their core Math classes. Support classes rely heavily on students' behavior in their core Math class. The class will be most effective when students are routinely taking notes, making strong efforts in class (attempting all work in-class), and enter my class with some questions already in mind. Effort (coming to class fully prepared and completing work in Core Math) is a main portion of the grade.</p>
RR ALGEBRA 1 	Grade: 9-12 Length: Year	<p>Students will practice basic math skills: adding, subtracting, multiplication, division, and fractions using both positive and negative integers. Each student is expected to achieve 100% on quizzes for each of the above four skills (unlimited retakes) without calculators. Calculators will be allowed for Algebra portions of the class. While learning basic math, students will be introduced to the concepts of variables, constants, solving for one variable (eg., $3x+2=8$), and graphing. During the second half of the course, students will solve equations with two variable (eg., $3x+2y=4$, solve for y), use slope-intercept form ($y=mx+b$), transform equations into $y=mx+b$ and graph those equations; factoring polynomials, distributing polynomials, and linear combinations.</p>









SCIENCE COURSES

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
LIFE SCIENCE  	Grade: 7 Length: Year	7th Grade Science is a course designed to teach the basic concepts and theories of earth science including rocks and minerals, weathering, erosion, and glaciers, basic earth systems such as the hydrologic, atmospheric, geosphere, and biosphere, surface and ocean water, natural disasters, and plate tectonics. Earth Science also covers aspects of space science including the earth/moon system, the sun and planets, and the Milky Way Galaxy.
EARTH SCIENCE  	Grade: 8 Length: Year	8th Grade Life Science is a course designed to teach basic laboratory and measuring techniques. Students will explore traits for survival, and reproduction; the structure and functions of body systems and cells; genes and inheritance of traits, mutations, and engineering and genetics.
BIOLOGY  	Grade: 9 Length: Year	Graduation Requirement. This course will deal with the overall study of animals. Lab work will average one (1) day per week as students do various investigations and experiments. Dissection will include examples of different animal groups. Outdoor work will emphasize ecological relationships between plants and animals. General topics will include the structure and formation of cells, how animals obtain and use food, animal methods of reproduction, animal growth and behavior, environment, diseases in animals, including man, and conservation of natural resources. The topics of genetics, evolution and classification of plants and animals are also covered. We will try to utilize Whitmore Lake in some of our study.
PHYSICS   	Grade: 10 Length: N/A	Graduation Requirement. Physics is the study of matter and energy and how they interact. Much use of mathematics is used in understanding the relationships between motion, force, heat, electricity, magnetism, sound, light and waves. Laboratory and other hands-on experiences will be used to clarify concepts.
CHEMISTRY   	Grade: 11-12 Length: Year Prerequisites: ALGEBRA	Chemistry is a science class that studies the structure and composition of substances and the mechanisms of changes in these substances. The course consists of lecture and laboratory experience. A strong math background is necessary. Laboratory experiences average one per week.
ANATOMY/ PHYSIOLOGY 	Grade: 11-12 Length: Year	The student should possess above-average reading and spelling skills to take this course. Advanced skills in dissection will be applied as larger, more advanced animals are studied. Optional specimens may include sharks, fetal pigs, cats, rabbits, and rats. Participation in discussions, special oral and written reports, and dissections are required. Laboratory investigation activities will average one every other week. General topic areas will include human body systems, recent efforts of biotechnology involving world problems, man's influence on the natural environment, and current, controversial biological issues and activities of man. The biology of the human body is the major focus of study.
SCIENCE IN THE NEWS   	Grade: 9-12 Length: Semester	This class will use today's news to make science more relevant to students. The course will incorporate topics of health, nutrition, technology, life science, forensic science, and environmental science. Additionally, this course will enhance a student's ability to read for understanding and knowledge. <i>*This course is repeatable for credit.</i>
EARTH SCIENCE 	Grade: 11-12 Length: Year	11th or 12th Grade Science is a course designed to enhance the basic concepts and theories of earth science taught in 7th grade including rocks and minerals, weathering, erosion, and glaciers, basic earth systems such as the hydrologic, atmospheric, geosphere, and biosphere, surface and ocean water, natural disasters, and plate tectonics. Earth Science also covers aspects of space science including the earth/moon system, the sun and planets, and the Milky Way Galaxy.






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<p>GEOCHEMISTRY</p> <div>    </div>	<p>Grade: 11-12</p> <p>Length: Year</p>	<p>This course is a yearlong class designed to fulfill the MME's 3rd year Science requirement. This course engages students in inquiry, real-world application, and labs through the lens of both Earth Science and Chemistry. In the first semester, units of study include: Introduction to Science; Matter; Atoms and Periodic Table; The Structure of Matter; Chemical Reactions; Solutions, Acids, and Bases; Nuclear Changes. In the second semester, units of study include: The Universe; Planet Earth; The Atmosphere; Using Natural Resources; Sound and Light; Electricity; Magnetism.</p>







SOCIAL STUDIES

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
SOCIAL STUDIES 	Grade: 7 Length: Year	<p>In 7th Grade Social Studies students explore the experiences of people around the globe from the earliest civilizations to the 1500s. Throughout the course students strengthen their literacy and critical thinking skills as they examine a range of primary and secondary sources both independently and in collaborative groups. Students will build a foundational understanding of human society as they create presentations, models, and written expressions of their learning.</p>
SOCIAL STUDIES 	Grade: 8 Length: Year	<p>Eighth grade History is a course designed to teach our American history from the Revolutionary War through Reconstruction after the Civil War. Emphasis will be put on historical documents, such as treaties, the Declaration of Independence and the Constitution. Conflicts throughout history such as slavery, political parties, expansion, and government control are discussed and related to student's lives. Other issues include the Civil War, Revolutionary War, and our governmental system. The course includes a focus on Native Americans, European influences on America, colonization, and independence, to the building of our nation.</p>
U.S. HISTORY 	Grade: 9 Length: Year	<p>Graduation Requirement. This course is a continuation on American History from 8th grade. Students will deal with the history of our country from 1865 to present. There will also be some review of earlier history. Critical thinking will be emphasized. Sample topics to be presented include: World Wars I & II, the Great Depression, the Vietnam War and the Civil Rights Movement.</p>
WORLD HISTORY 	Grade: 10 Length: Year	<p>Graduation Requirement. Living in a global society today requires a knowledge of humanity's recent past. In this course students will analyze the major eras of history from 1500 CE to present day. Throughout the course students will seek answers to compelling inquiry questions by analyzing primary and secondary sources both independently and in groups. Students will create presentations, models, and written expressions of their learning.</p>
AMERICAN CULTURE <i>*COURSE NOT OFFERED EVERY YEAR.</i>	Grade: 10-12 Length: Semester	<p>From Barbie to the Internet, the Simpsons to the malls, pop culture permeates society. This course introduces students to the major topics in pop culture – asking students to analyze and evaluate the role popular culture plays in American life today. Units of study will include an introduction to American Popular Culture, Advertising, Television, Popular Music, Cyberculture, Sports, and Movies</p>
ABNORMAL PSYCHOLOGY  	Grade: 10-12 Length: Semester	<p>In this class, students will explore the causes, symptoms, and treatments of major psychological disorders, including anxiety, dissociative, mood, somatoform, eating, schizophrenia, and substance-related disorders.</p>
SOCIOLOGY 	Grade: 10-12 Length: Semester	<p>The focus of the course will be on examining the ways in which social structures and institutions, as well as social problems, influence society. Topics such as cultural diversity, social change and control, social structure, personality development and gender socialization will be studied.</p>
AP U.S. GOVERNMENT AND POLITICS 	Grade: 11 Length: Year	<p>This year-long course is designed to provide an introduction into the operation of the American government and political system. The major topics to be covered in class are the content areas assessed on the AP U.S. Government & Politics exam; all students in the course are encouraged to take this exam in the spring. Besides being prepared for this exam, at the conclusion of the course students will have a more sophisticated understanding of American democracy, constitutionalism, and civil liberties. Students will ultimately be able to apply these insights about the U.S. political system to contemporary events.</p>






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ECONOMICS  	Grade: 11 Length: Semester	Graduation Requirement. The purpose of this course is to help students use knowledge of the production, distribution, and consumption of goods and services to make personal and societal decisions about the use of scarce resources. Major units of study will include: Individual, Household, & Business Choices, Economic Systems & the Role of Government, and The International Economy.
GOVERNMENT 	Grade: 11 Length: Semester	Graduation Requirement. This course will begin with a review of the origins and foundations of American Government. Other course content includes responsibilities of citizens in a representative democracy, values and principles of American democracy, roles and functions of the three branches of government, and the relationship of the United States to other nations and world affairs.
CRIMINOLOGY 	Grade: 10-12 Length: Semester	This criminology course introduces students to the science of criminology, including theories regarding causation (social and cultural), data collection methods and measurement, types of crime, consequences, prevention, control and treatment. Multidisciplinary resources will be utilized. *Course not offered every year.
GENDER STUDIES 	Grade: 10-12 Length: Semester	This course is an introduction to basic concepts of the study of gender in America. We will examine psychological research and theory related to gender, with a particular focus on the ways in which gender impacts people's day-to-day lives. Units of study will include: The Biology of Gender, Gender Roles in History and Contemporary Society, Gender Socialization, Gender Communication, the Representation of Men and Women in Popular Culture, and Gender in Education. The course is primarily discussion-based and will include media analysis as well as internet research projects.
PRACTICAL LAW 	Grade: 10-12 Length: Semester	This course provides practical information and problem-solving opportunities to develop students' knowledge and skills relative to the law. The curriculum includes case studies, mock trials, small-group activities, and visual analysis activities. Guest speakers will be provided through partnerships with local law enforcement and social agencies. Topics covered include the legal system, criminal law, juvenile justice, consumer law, family law, housing law, and individual rights and liberties. Grades will be based on written homework, participation in activities and discussions, and exams.
AP PSYCHOLOGY  	Grade: 10-12 Length: Semester	Course content will focus on the scientific study of behaviors and experiences. This course will include how human beings and animals sense, think, learn, and know. Psychological theories will be studied in order to help students to understand, explain, and, to an extent, predict behavior.
WAR IN THE MODERN WORLD	Grade: 10-12 Length: N/A	This course is dedicated to the discussion and knowledge of recent wars with an emphasis on the United States' involvement. We will discuss 20th Century conflicts, such as WWI & WWII, The Korean Conflict, Vietnam, The Persian Gulf War, and America's involvement in Iraq and Afghanistan. We will also focus on the ideological differences that have shaped the United States' involvement in global conflicts with an emphasis on the Cold War and the fall of the Soviet Union. Areas that are included in this class are discussions on the influence of the media and public opinion and the role of the government in war. This class is dedicated to helping students gain a more in-depth understanding of these wars that isn't covered as thoroughly in the core history classes. Students who plan on taking part in this class should be willing and able to offer opinions as well as facts which support and represent their beliefs.




BUSINESS TECHNOLOGY

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
 DIGITAL AND GRAPHIC DESIGN	Grade: 8-12 Length: Semester	<p>This course addresses the importance that is placed on visual communication within our society. In today's culture, everything, including newspapers, magazines, television, junk mail, and even social media seem to be driven by visual design elements. Students will apply knowledge of the elements and principles in design to improve their understanding and evaluation of existing examples of graphics and design. Project-based activities reinforce student learning with programs like Photoshop and InDesign, while the use of digital photography is also included in classroom content and activities. In addition to learning about elements in design, students are also expected to strengthen their verbal, written, and visual communication skills. Students are expected to maintain a copy of their work completed in class for inclusion in a digital portfolio. This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.</p>
 DIGITAL DESIGN AND PUBLICATION/ YEARBOOK	Grade: 8-12 Length: Semester Prerequisites: DISCUSSION WITH INSTRUCTOR PRIOR TO SCHEDULING	<p>Digital Design & Publications is a course offered for students to be involved in learning the process behind publication layout. The course is designed to provide students the opportunity to learn elements of design and develop skills necessary to producing pages suitable for submission and print. Students are provided with instruction detailing historical developments in design & printing, as well as the steps in the planning, and production of media. Students are also expected to participate in the full process of production: from funding, to obtaining information, to creation of content/spreads, and finally editing and finalizing pages. In addition to developing writing skills, students will also gain both practice and experience photographing events & activities around school for inclusion in the WLHS yearbook publication. Students will be expected to put in time outside the classroom in not only covering school events but also in preparing pages for submission & print.</p>
 CTE: MULTI-MEDIA COMMUNICATIONS A	Grade: 8-12 Length: Semester	<p>This class is 90% group work. In this course, students will explore emerging digital technologies with a focus on project management (how to make sure a project is completed on time and reach all of the goals that were set out for it). Attention will be paid to how social media and digital media is changing the way customers, consumers and business interact and create an online brand. Web 2.0 tools are the optimal digital media for businesses; therefore, students will have the chance to research and explore some of the latest trends in Web 2.0 Collaboration tools, including blogs, podcasting, video creation tools, web-site authoring sites, and more. Students will also be responsible for the student run news program, Trojan Talk.</p> <p><i>*This course is repeatable for credit.</i></p>
 CTE: MULTI-MEDIA COMMUNICATIONS B	Grade: 8-12 Length: Semester Prerequisites: MULTIMEDIA A	<p>This class is 95% group work. Multimedia B is an advanced Multimedia A class where students will focus on multimedia production. Several of the topics in Multimedia A will be brought up and expanded upon in Multimedia B. Students will be creating digital videos for various school and community organizations and businesses that fit the description and needs of the customer. Students will also continue to create the student run news program, Trojan Talk.</p> <p><i>*This course is repeatable for credit.</i></p>
 TECHNOLOGY AND APPLICATIONS	Grade: 8-12 Length: Semester	<p>This course is designed to provide students with the higher-level technical skills required of today's workers. The advanced features of word processing, spreadsheet creation and manipulation, and data management are the main tools students will study. In addition, students will learn how to use the Internet effectively to complete research as well as complete multi-media projects that integrate web-based applications. This course satisfies Michigan's Technology requirement and on-line learning requirement. This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.</p>





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VIDEO GAME DESIGN 	Grade: 8-12 Length: Semester	Video Game Design is an introductory course that allows students to learn how to design and create basic video games using GameMaker and other video game software. Students will learn fundamentals such as working with sprites, backgrounds, animation objects, game logic and scripting. Students will begin the course using Drag and Drop software and then venture on to using basic computer programming principles as they plan and design various simulations and games.
WEB PAGE DESIGN 	Grade: 9-12 Length: Semester	In this class, students will learn about formatting and designing effective web pages. The main program used will be Dreamweaver, but students will learn HTML language and CSS. Emphasis will be placed on integrating other aspects (such as Flash, Photoshop, and Movie Making software) in order to enhance the appearance of websites. Digital cameras, a scanner, and digital camcorders will be available to enhance student creations. Students will focus on web design/layout and development, and work to understand how to complete projects in a team atmosphere. This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.
WEB PAGE MANAGEMENT 	Grade: 9-12 Length: Semester	This class will start where Web Page Design left off. The focus will be on web administration, web testing, and evaluation, as well as technical support. Students will be able to use administration skills to maintain a webpage and test the functionality of a site (Is the target market being reached? Is the site working properly regardless of what web browser is used?) Time will be dedicated to the understanding of the role of IT in addressing the function as well as potential problems with websites. Students will learn how to purchase domain names and make their sites live. This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.
BUSINESS VENTURES 	Grade: 10-12 Length: Semester	This class provides the student with a look into the world of entrepreneurs (individuals who take a risk of investing time and money into a business venture). Students will begin by looking at the characteristics that many of these individuals share in common before moving on to discuss how these businesses are structured. Students will evaluate a new business venture's potential for success, determine the resources needed, and develop a business plan for this venture. After establishing a venture concept, students will establish operations planning and control, develop procedures and policies for their new ventures, and utilize project management skills in management of the many facets of their venture. This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.
DIGITAL AND GRAPHIC DESIGN - YEARBOOK 	Grade: 10-12 Length: Semester Prerequisites: MUST TALK TO ADVISOR BEFORE SCHEDULING CLASS	This class, which can be compared to a "real life" business or job, is for students who are self-motivated, responsible, dependable, and dedicated to producing the Iliad, the school's yearbook. While working on the publication, students will be taught and graded on ad sales, the principles of layout design, copy, meeting deadlines, and other aspects of photojournalism. Due to the division of work at the start of the school year and the teaching of the software program, students must take the class during the first semester in order to take it during the second semester. Students interested in the class should speak with the advisor prior to the start of scheduling. <i>*This course is repeatable for credit.</i>
THE FRONT OFFICE A 	Grade: 10-12 Length: Semester	The Front Office is a course that provides students with look into issues that are important to today's global business environment. The decisions made today affect not only local community, but have the power to influence other businesses around the world. The employee-employer relationship and the way the 21st century employee uses technology to complete their work will be examined using current day issues and businesses (such as Facebook and Twitter) to present ideas and concepts. This course is articulated with Baker and Washtenaw Community College. See a CTE instructor for more information.

BUSINESS TECHNOLOGY







Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
THE FRONT OFFICE B 	Grade: 10-12 Length: Semester Prerequisites: THE FRONT OFFICE A	<p>Decisions in the business world are often challenging and involve many factors. This continuation will focus on learning about the decision-making process and how both competition and leadership are important in the survival of any business. What many people do not consider are the laws and regulations that businesses need to comply with in order to operate each day. Consider for a moment what would happen if personal information of customers was not protected? What impact would that have on a business, or better yet, the customers that have earned the trust of a particular business? This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.</p>
COMMUNICATIONS 	Grade: 12 Length: Semester	<p>This course is intended to assist students in understanding the communication process and how many different forms it takes in our everyday lives. In addition to the main focus of public speaking and getting comfortable in the role of an articulate communicator, students will also learn how communication affects our lives, learning to speak publicly with great confidence, and how to structure and deliver speeches. Students will have the chance to practice and demonstrate their communication by completing a variety of presentations/speeches during the semester. Lastly, students will learn and develop those skills that will be critical in the workplace, including interpreting charts/graphs/other forms of data, use technology to complete workplace tasks, completing simple business documents, and the integration of graphics and other media into presentations.</p>
FINANCIAL MANAGEMENT A AND B 	Grade: 12 Length: Semester (each)	<p>Financial Management is designed to inform students how individual choices directly influence goals and future earnings potential. Real world topics covered include: Taxes, insurance, savings and investments, banking, credit management, budgeting, financial needs and goals, income and overall career planning. On the business end, students will analyze cost/profit relationships to making business decisions, learn basic accounting procedures, and study fundamental economic concepts and systems. <i>*This course is repeatable for credit.</i></p>
SCHOOL STORE 	Grade: 10-12 Length: Semester	<p>Students will learn what it takes to effectively start and run a business by managing the Whitmore Lake School Store – the Trojan Den. Through a variety of hands-on activities, students will get an in-depth look at business and how they get started. Students will evaluate a new business venture's potential for success, determine the resources needed, and develop a business plan for this venture. After establishing a venture concept, students will establish operations planning and control, develop procedures and policies for their venture, and utilize project management skills in management of the many facets of a store. During the semester, students will work closely with WL athletic groups and students in product development and design, retail sales to these groups, and the management of business projects. This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.</p>
TECHNOLOGY 7 	Grade: 7 Length: Semester	<p>This course is designed to get 7th grade students ready for the connected 21st century world. We will examine and utilize a variety of web based applications to do things like: create presentations, communicate with each other, create videos, write blogs, annotate websites, organize ideas, program websites, etc. Students will also learn basic functions within the Microsoft Office Suite. During the semester, students will improve their typing skills and learn new ways to use technology in their lives, both at school, at home, and in future work places</p>

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
CAREERS AND TECHNOLOGY 	Grade: 8-12 Length: Semester	<p>This one semester course is a required eighth grade class that focuses on giving students the opportunity to explore different careers while expanding their skills and knowledge with technology and communication. Throughout the semester, students will work on several projects that explore careers that interest them and look into the education requirements of each career. Students will also have the opportunity to explore the Microsoft IT Academy and become Microsoft User Certified in Microsoft Office. Other objectives include communicating information accurately and effectively; creating oral, written, and technological productions; critically judging, interpreting, and synthesizing oral, written, and technological productions; exploring careers by continued exposure and understanding of pathways; understanding and assessing personality traits; and interacting with guest speakers as they share their experiences relating to communication, computers and careers.</p>
INDEPENDENT TECHNOLOGY 	Grade: 9-12 Length: N/A	<p>Sports Management is a course which provides students with the opportunity to learn essential marketing concepts and principles applied to the fields of sports and entertainment. Some of the topics addressed will include college and amateur sports, professional sports, developing a public image, marketing entertainment, marketing plans, and branding, licensing & legal issues. Real-world programs and examples from both the sports and entertainment sectors will be included. Students will examine and develop ways to help promote events and increase attendance/support at Whitmore Lake High School athletic and entertainment functions. The class will research and explore opportunities to partner with the private sector/community to help market these events.</p>
SPORTS MANAGEMENT 	Grade: 9-12 Length: Semester	<p>This class will start where Web Page Design left off. The focus will be on web administration, web testing, and evaluation, as well as technical support. Students will be able to use administration skills to maintain a webpage and test the functionality of a site (Is the target market being reached? Is the site working properly regardless of what web browser is used?) Time will be dedicated to the understanding of the role of IT in addressing the function as well as potential problems with websites. Students will learn how to purchase domain names and make their sites live. This course is articulated with Washtenaw Community College and Baker College; see a CTE instructor for more information.</p>


WORLD LANGUAGE COURSES

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
SPANISH I 	Grade: 8-12 Length: Year	Spanish I will introduce the student to the Spanish language, the people who speak it, and the countries where it is spoken. Basic skills in the language will be acquired through listening, speaking, reading, and writing. Spanish culture will be imparted through movies, slides, songs, and food. A GPA of 3.0 or higher is strongly recommended.
SPANISH II 	Grade: 9-12 Length: Year Prerequisites: SPANISH I	Spanish II is a continuing program in Spanish designed to increase the student's proficiency in the four skills of listening, speaking, reading, and writing. Knowledge and appreciation of Hispanic cultures will be emphasized through presentations. This course is designed to acquaint the student with some of the historical and cultural forces, which have helped to form the Hispanic world as it is today.
SPANISH III 	Grade: 10-12 Length: Year Prerequisites: SPANISH I & II	Spanish III is designed to be a culmination of all things learned in previous Spanish courses. Most, if not all, reading and writing will be in Spanish. Conversations and typical social situations will be emphasized. Texts will include a Spanish reader and workbooks. Role-playing, skits, and classroom presentations/speaking are very important.
SPANISH IV 	Grade: 11-12 Length: Year Prerequisites: SPANISH I, II, & III	Spanish IV is designed to delve deeply into the culture and the language of Spanish and prepare the student for the AP exam. All reading, writing, and speaking will be in Spanish. Text will include an integrated reader/workbook, short stories, and the history of Mexico. Students should be highly motivated to practice the language in all forms.







PHYSICAL EDUCATION & HEALTH COURSES

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
PE 7/8 	Grade: 7-8 Length: Semester	P.E. 7/8 is a general physical education course with a broad span of activities and sports that may include a swim unit. It will give students a diversified taste of physical education to find enjoyment in physical activity and promote lifelong sport and fitness, including both team and individual sports. Sport rules, skills, teamwork and strategy will be taught throughout the course. This course will also have a focus on physical fitness, daily exercise and social interaction. The course grade will be based on daily participation and effort, physical fitness testing, specific sport skills tests and written tests.
HEALTH 	Grade: 9-12 Length: Semester	Graduation Requirement. This course investigates how to improve physical, mental, emotional, and social wellness through making decisions associated with the maintenance of sound and practical health habits. Emphasis is on wellness as a lifestyle, substance abuse prevention, and general health concerns. Effective communication skills and etiquette and manners are included in the social wellness section. Human sexuality/reproductive health will explore the complex dimensions of adolescent sexual development to help adolescents understand and accept their evolving sexuality and to help them make responsible sexual choices, now and in their future adult roles. Parental notification is given prior to the human sexuality unit.
LIFELONG FITNESS AND SPORTS 	Grade: 9-12 Length: Semester	This elective physical education course will focus on exercise that promotes a healthy lifestyle and social interaction with sports and activities that can be played beyond high school and well into the later years of life. Activities may include but is not limited to Disc Golf, Volleyball, Aerobics and Yoga, etc, Badminton, Circuit Training, Swimming, Pickleball, Table Tennis and Yard Games. Sport rules, skills, teamwork and strategy with an emphasis on sportsmanship will be taught throughout the course, while promoting lifelong fitness and enjoyment in sport. The course grade will be based on daily participation, sportsmanship and effort, physical fitness testing, specific sport skills tests and written tests.
OLYMPIC SPORTS 	Grade: 9-12 Length: Semester	This elective physical education course will focus on games and sports that are contested in the Olympics Games, such as Basketball, Volleyball, Badminton, Table Tennis, Water Polo, Team Handball, Soccer, Rugby and Floor Hockey. Sport rules, skills, teamwork and strategy will be taught throughout the course, while promoting lifelong fitness and enjoyment in sport. This course will also have a focus on physical fitness, daily exercise and social interaction. The course grade will be based on daily participation and effort, physical fitness testing, specific sport skills tests and written tests.
RECREATIONAL SPORTS I 	Grade: 9-12 Length: Semester	This basic physical education class will introduce students to a wide multitude of activities and sports that may include but is not limited to Ultimate Frisbee, Flag Football, Soccer, Badminton, Tchoukball and Volleyball. Sport rules, skills, teamwork and strategy will be taught throughout the course, while promoting lifelong fitness and enjoyment in sport. This course will also have a focus on physical fitness, daily exercise and social interaction. The course grade will be based on daily participation and effort, physical fitness testing, specific sport skills tests and written tests.
RECREATIONAL SPORTS II 	Grade: 9-12 Length: Semester	This is a continuation of Rec. Sports I, but may be taken as a standalone class too. Activities and sports in Rec. Sports II may include but is not limited to Basketball, Sabakiball, Pickleball, Swimming, Speedball, Wiffleball and Field Hockey. Sport rules, skills, teamwork and strategy will be taught throughout the course, while promoting lifelong fitness and enjoyment in sport. This course will also have a focus on physical fitness, daily exercise and social interaction. The course grade will be based on daily participation and effort, physical fitness testing, specific sport skills tests and written tests.






PHYSICAL EDUCATION & HEALTH COURSES

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
STRENGTH TRAINING AND CONDITIONING 	Grade: 9-12 Length: Semester	<p>This elective physical education course will focus on the many facets of training the human body for physical fitness and athletics. Training may include but is not limited to Weight Training, Speed Training, Flexibility, Endurance Training and Plyometrics. The course grade will be based on daily participation and effort, proper mechanics, physical fitness growth and written tests.</p>





VISUAL, APPLIED, AND PERFORMING ARTS

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
ART 7 	Grade: 7 Length: Semester	<p>Students will learn the elements and principles of design and apply them in creating original artwork. Students will learn to apply media and techniques with skill and confidence so that their intentions will be carried out in their artwork. This class will include both two-dimensional and three-dimensional projects in various media such as ceramics, painting, drawing, and sculpture. Students will learn about different art careers, art forms, and numerous ways that art can be created. Additionally, students will learn how to think critically, plan for projects, and participate in art critiques to grow individually and to help others grow artistically.</p>
ART 7 	Grade: 8 Length: Semester	<p>Students will learn the elements and principles of design in more depth and apply them in creating original artwork. Students will learn to apply more advanced media and techniques with skill and confidence so that their intentions will be carried out in their artwork. This class will include both two-dimensional and three-dimensional projects in various media such as ceramics, painting, drawing, and sculpture. Students will learn about different art careers, art forms, and numerous ways that art can be created. Additionally, students will learn how to think critically, plan for projects, and participate in art critiques to grow individually and to help others grow artistically.</p>
ART EXPLORATION 	Grade: 9-12 Length: Semester	<p>Students will explore a variety of art materials in both two dimensional and three dimensional artwork. The course is designed to introduce and improve students art skills in making different kinds of two dimensional and three dimensional art. The course will provide students the opportunity to experience making sculpture, painting, drawing, and ceramics. Students will learn about different art careers, art forms, and numerous ways that art can be created. Additionally, students will learn how to think critically, plan for projects, and participate in art critiques to grow individually and to help others grow artistically.</p>
THEATER 	Grade: 8-12 Length: N/A	<p>Theater is a drama course that will focus on one specific show (varies each course) in order to utilize different on-stage and backstage techniques. This course will also use examples from a variety of productions. Techniques will pertain to auditions, sound, lighting, set constructions, costuming, set painting, make-up, marketing, and will also include vocal techniques and choreography specific to musical theater. When available, the class will also be able to attend performances by area schools as an additional opportunity.</p>
BAND 	Grade: 9-12 Length: Semester	<p>This is a performing ensemble. In addition to learning the literature for Wind Band, class time is used for performance preparation. Required performances include half-time show, parades, Christmas and spring concerts, band festival, commencement exercises, and some basketball games. Other performing opportunities arise from year to year. Contact the Director for a complete performance schedule for the year.</p>
BAND 	Grade: 7-8 Length: Semester	<p>7-8 grade Band is an instrumental ensemble course where students meet five times per week in a full ensemble setting. This course utilizes all of the instruments found in Band 6 (55102) while giving the opportunity to add instruments such as the piccolo. 7-8 grade Band is intended to further develop students' knowledge of music notation, theory, and history and their relationship with disciplines outside the arts, while developing technique in relationship to their instrument. This course also begins this development for students new to the music program. In addition to the solo, small ensemble and large ensemble performing opportunities, this course also gives an opportunity to participate in a marching band setting. Members of the 7-8 grade Band cover band literature that includes, but is not limited to, concert, marching, orchestral, and modern styles through concerts held at the school as well as through participating in festival events such as the Michigan School Band and Orchestra Association's Band and Orchestra Festival and Solo & Ensemble.</p>

VISUAL, APPLIED, AND PERFORMING ARTS

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
CHOIR 	Grade: 9-12 Length: Year	Choir is a basic vocal music course open to singers that builds upon the skills learned in middle school choir or its equivalent. Students prepare, study, and perform level-appropriate music for the full ensemble, chamber ensembles, and solos. In addition to regular class time, students are expected to participate in rehearsals and performance that take place outside the normal school day.
CHOIR 	Grade: 7-8 Length: Year	7-8 grade choir is a vocal ensemble course where students meet five times per week in a full ensemble setting. This course provides both young men and women the opportunity to sing a variety of choral literature in a variety of language settings and is designed to develop vocal techniques. As a developing choral class, the course covers unison and two part singing while developing students' knowledge of music notation, theory, and history and their relationship with disciplines outside the arts. Members of the 7-8 grade choir cover a variety of ensemble literature styles, while giving the opportunity to develop solo singing and sight-reading abilities. In this course the students are also provided the opportunity to attend festivals such as the Michigan School Vocal Music Association's Choral Festival and Solo & Ensemble.
MUSIC THEORY & COMPOSITION 	Grade: 8-12 Length: Semester	This course includes the study and analysis of basic elements of music—melody, harmony, and rhythm. There is extensive work in scales, intervals, chords and harmonic progressions. Ear training, sight-singing, and fundamental keyboard harmony are emphasized as part of the course work as well as arranging and composition techniques. Techniques learned through this course will culminate in a performance of an original work.
MIXED MEDIA 	Grade: 9-12 Length: Semester	Students will learn how to use art materials together in untraditional ways. The course is designed for students to experience and explore a wide variety of art media and techniques in two dimensional artwork. Students will examine media used to create art and will look at various ways that it can be used. Students will use materials such as collage, painting, drawing, printmaking, etc. Students will learn a variety of techniques and skills using different art materials together. Additionally, students will learn how to think critically, plan for projects, and participate in art critiques to grow individually and to help others grow artistically.
JAZZ BAND 	Grade: 9-12 Length: Semester	Jazz Band is a performance-based class that will include playing music from a number of genres, including jazz, swing, blues, ballads, and pop. Emphasis will be given to acquiring improvisational skills. Vocal students must see the instructor before registering for the class. Requirements include practice, concert performances, and other venues as they arise, including but not limited to Jazz Festival and community events.

E2020, CBI, STUDY SKILLS, DUAL ENROLLMENT, LATEC, AND WORK STUDY COURSES

Course Name & Pathway	Grade Level, Length, Prerequisites	Course Description
EDGENUITY 	Grade: 8-12 Length: Self Paced Prerequisites: MUST OBTAIN COUNSELOR PERMISSION	<p>Students enrolled in Edgenuity (E2020) courses will take courses in an online format. Eligible students are those that are in credit recovery status, transfer students, or those students wishing to further enrich their education through courses not offered in the classroom at WLHS. Students must obtain counselor permission to be enrolled in Edgenuity courses. Courses are available in all four content areas and numerous electives are available. Students are enrolled in a semester-based course and all content must be completed within the semester deadlines.</p>
DUAL ENROLLMENT 	Grade: 11-12 Length: N/A	<p>Dual enrollment is open to 9th-12th graders with approved test scores. Please see the school counselor for more information on qualifying scores and classes.</p>
LATEC 	Grade: 11-12 Length: N/A	<p>Livingston Applied Technology Education Consortium (LATEC) is administered through the Livingston Educational Service Agency (LESA) and the Brighton, Fowlerville, Hartland, Howell, and Pinckney school districts. These programs prepare students for a world class workforce and education beyond high school. Course choices include Alternative, Energy; Automotive Services; Business & Marketing; Computer Aided Design/Engineering; Construction; Cosmetology; Culinary Arts; Digital Multimedia/Web Design; Early Childhood Education; Graphic Communications; Health Occupations; Computer Network Engineering; Manufacturing; Engineering/Robotics; and Work Based Learning Opportunities and Internships. Please see the counselors for additional information. Visit http://www.latec.us/ for additional program information.</p>
WORK-BASED LEARNING 	Grade: 11-12 Length: N/A	<p>Students employed outside the school in an approved job that aligns with the student's Educational Development Plan and career goals can apply for work study credit. The maximum number of students for this program is 20. Students must work at least 10 hours but no more than 48 hours per week – school and work combined. Students must work only one job and at least 16 weeks out of an 18 week semester. If a student voluntarily leaves a job prior to the end of the semester or is terminated because of poor work habits, no credit will be given. Student must also be enrolled in a related business class. Other requirements/paperwork must be met within the first week of the class, or the student will be removed. For CTE Capstone, the student must have completed 6 of 12 segments. See Mrs. Taylor for more information if you are interested in doing work study.</p>

