

Buchanan

High School

2024-2025



Course Descriptions

8th Grade Courses

Required Core Courses	
English 8 1 Year	Students will continue to build a solid foundation of knowledge, skills, and strategies that will be refined, applied, and extended as they work with the Common Core Readiness standards. Students will demonstrate independence while reading complex texts, build strong content knowledge, and respond to the varying demands of audience, task, purpose and discipline. Additionally, students will comprehend and critique, cite specific evidence to support a claim, and use technology and digital media strategically and capably. These standards focus on cross-disciplinary literacy expectations that must be met for students to be prepared to enter college and workforce training programs ready to succeed.
History 8 1 Year	Eighth-grade students continue their study of U.S. history from the development of the Constitution through Reconstruction. Geographic, civics/government, and economics content is integrated within the historical context under study. Students should understand the relevancy and connections of this history to their lives. Students will use significant content knowledge, research skills, and inquiry practices to analyze issues and communicate conclusions.
Math 8 1 Year	Student learning will focus on three critical areas: (1) formulating and reasoning about expressions and equations, including solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe relationships; (3) analyzing two- and three-dimensional space and figures using distance, angles, similarity, and congruence, and understanding and applying the Pythagorean Theorem.
Alg 1 8th grade 1 Year HS CREDIT	Students will learn to write, solve, graph, and interpret; linear, exponential, and quadratic functions. Prerequisite: Math NWEA score of 240, 7th grade math teacher recommendation. Upon successful completion, high school credit will be awarded.
Science 8 1 Year	This course has been designed to meet the rigor and relevance of the Next Generation Science Standards, in preparation for the SAT and M-STEP examinations. Students will be expected to complete several course-related projects and laboratory experiments, in addition to unit and chapter exams.
Health 1 semester S1, S2 HS CREDIT	This course integrates the Michigan Model for Health (required for graduation). Wellness includes study in basic health skills including; decision making, goal setting, communication, self management, advocacy, analyzing influences and assessing information. Special attention is focused on mental health, substance abuse, nutrition, healthy relationships and sexually transmitted infections – HIV/AIDS. Wellness is an activity centered curriculum. Class goals are to orient students to high school, improve study skills, and to provide

	opportunities to develop their own interests, skills, and abilities. Students will learn strategies for developing long and short term goals as well as for becoming positive, contributing members of school and community. Letters pertaining to sensitive issues such as reproductive health will be sent home prior to the lesson being taught. HS Credit awarded.
Life Fitness 1 semester S1, S2 HS CREDIT	Life Fitness is designed to help individuals develop the cardiovascular endurance and muscular strength necessary to achieve healthy fitness levels. Everyday of the week we focus on the five components of physical fitness. Class time will be devoted to strength training as well as conditioning or cardiorespiratory endurance to encourage participants to develop the self-discipline needed to improve their success in the class. The remaining class time will be devoted to team sports and/or game activities. HS Credit awarded.
Optional Electives	
Band 8 1 year	Students who wish to continue their musical education beyond seventh grade may sign up for eighth grade band. In 8th grade, we continue to build on the skills and techniques that students learned in 7th grade and apply them to more difficult music. As students grow more mature as musicians and individuals, they are given more responsibility in the form of additional performances. 8th grade students perform in three concerts per year: the Holiday Concert in December, the Pre-Festival Concert in February, and the Spring Collage Concert in May. Additionally, 8th grade band students travel to District MSBOA Band and Orchestra Festival, where they represent our school as they perform three pieces of music and sight-read for a panel of judges. Students in this class also have the opportunity to travel to MSBOA Solo & Ensemble Festival to perform individually or in a small group for a judge who specializes in their instrument. 8th Grade students also have the opportunity to perform with the high school marching band during Homecoming, and have the option of signing up for the Jazz Band in the Spring.
Transitions 1 Year HS CREDIT	Support hour for those students with an Individualized Education Plan (IEP).
Art - 8th Grade	Art students will investigate a variety of creative assignments based on themes and art techniques. Students will learn about the elements of design, artistic behaviors, art history, art analysis and criticism. Students will practice technical skills, explore a variety of media, find original solutions to problems and develop a visual means of communication.
Choir 1 Year HS CREDIT	Students who wish to continue their musical education beyond seventh grade may sign up for HS Choir. In HS Choir, we continue to build on the skills and techniques that students learned in 7th grade and apply them to more difficult music. As students grow more mature as musicians and individuals, they are given more responsibility in the form of additional performances. 8th grade students perform in four concerts per year: the Fall Concert, the Holiday Concert in December, the Pre-Festival Concert in February, and the Spring Concert in May. Additionally, choir students travel to District MSVMA Choir Festival, where they represent our school as they perform two pieces of music

	and sight-read for a panel of judges. Students in this class also have the opportunity to travel to MSVMA Solo & Ensemble Festival to perform individually or in a small group for a judge.
Art Studies 1 Year HS CREDIT	Take art to satisfy your creative desire while also fulfilling your Fine Arts requirement for graduation. If you love the art studio, you can repeat this class to continue growing your artistic skills each year of high school. Beginning to intermediate students investigate a variety of creative assignments based on concrete themes and modified choice while learning about the elements of design, artistic behaviors, art history, art analysis and criticism. Students will practice technique, explore a variety of media, find original solutions to problems, and develop visual means of communication. Repeat advanced students will develop their personal voice while creating their art in their medium of choice, fully engaging in the function of a working art studio. HS Credit awarded.
Adolescent Literature 1 Year	Adolescent Literature is taking on “teen issues.” The focus of the course will be to make connections between young adult literature and society, self, nonfiction texts, and other literature. The goal will be for each student to develop and maintain a strong reading life and become a well-rounded reader.
Spanish 1 1 Year HS CREDIT	Spanish I is an introductory level course to the intense study of the Spanish language. This course implements reading, writing, listening, and speaking as everyday components of learning the language. HS Credit awarded. Prerequisite: Teacher Recommendation

High School Courses

(Not all courses are offered every year)

English Language Arts (ELA)		
Grade 9 1 Year Required for Freshman	English 9	<p>The goal for English 9 is to build a solid foundation of reading, writing, and grammatical skills that will be refined, applied, and extended as students engage in more complex ideas, texts, themes, and tasks. Students will be introduced to the various genres of classic and contemporary literature as well as informational texts that will be read and analyzed throughout high school. Ninth graders will connect with and respond to texts by analyzing relationships within and across families, communities, societies, governments, and economies. Throughout the course, students will participate in choice reading, book clubs, and SAT prep as well as reading the anchor texts <i>Romeo and Juliet</i> and <i>The Odyssey</i>.</p> <p>Prerequisite: Promotion from 8th Grade</p>
Grade 10 1 Year Required for Sophomores	English 10	<p>English 10 is a required sophomore English class focusing on American Literature. There will be choice reading throughout the year, book clubs focusing on the theme "Overcoming Obstacles" and "Dystopian" societies. Students will be required to read three classic American Literature texts: <i>The Crucible</i> play, and novels <i>Of Mice & Men</i> and <i>To Kill a Mockingbird</i>. Students will participate in class discussions, speeches, group work, SAT prep, grammar, vocabulary, tests/quizzes, a multi-genre project, essays, and a research paper.</p> <p>Prerequisite: ELA 9</p>
Grade 11 1 Year Required for Juniors	English 11	<p>This course is designed to prepare students for college and career readiness. Students will be reading, writing, speaking, and listening daily. We are also using the Book Love Approach: Choice Reading. Students will be expected to read at least nine works. Students will have a choice in Book Clubs (<i>Coming of Age</i> and <i>Breaking the Norm</i>) as well. There are at least three anchor units (<i>Tuesdays with Morrie</i>, <i>The Little Prince</i>, and <i>Night</i>) that are required of all students. Reading and writing assignments are chosen to enhance college and career readiness. Additional assignments may be added to the class as needed to enhance or reinforce skills, including SAT prep.</p> <p>Prerequisite: ELA 10</p>

Grade 12 1 Year Required for seniors	Senior English	<p>Students will be reading, writing, speaking, and listening daily. Students will write narrative, informative, and argumentative pieces. Students will practice memoir, story, review, argumentative research, multi-genre, poetry, and notebook writing. Students will be expected to maintain a reading life throughout the course. In addition to choice reading, students will participate in book clubs and read shared anchor texts. Students will read and analyze informational texts related to book club books and anchor texts.</p> <p>Prerequisite: Successful completion of ELA 11</p>
Grade 12 1 Year Satisfies Grade 12 English requirement	Honors Senior English	<p>The goal of Honors Senior English is to prepare students for college and to help them develop strong reading and writing lives. Students will be reading, writing, speaking, and listening daily. Students will write narrative, informative, and argumentative pieces. Students will practice memoir, story, review, argumentative research, multi-genre, poetry, rhetorical analysis, and notebook writing. Students will be expected to maintain a well-rounded reading life throughout the course. In addition to choice reading, students will participate in a fiction and non-fiction book club and read shared anchor texts including <i>Frankenstein</i>, <i>Macbeth</i>, <i>Long Way Down</i>, and <i>The Poet X</i>. Students will read and analyze informational texts related to book club books and anchor texts.</p> <p>Prerequisites: Honors Level Course, A's and B's in all English courses and teacher recommendation</p>
Grades 9-12 2 semesters S1, S2 ELECTIVE	Film Studies	<p>Storytelling is the most common way that we communicate with one another. Stories told through film have a tremendous influence on our attitudes and perceptions of the world around us. In fact, films may be one of the most powerful tools in modern culture for shaping values and conveying information. By viewing, studying, discussing, and writing about film, students develop and demonstrate skills in technological, cultural, and media literacy, as well as critical thinking and problem-solving skills that will serve them well in the real world. The main components of the course will include viewing, reading, writing, analyzing, discussing, and synthesizing (making connections between self and society and between texts and society). We will study films through the decades.</p>
Grades 10-12 1 Year S1, S2 ELECTIVE	Mythology & Fantasy	<p>Mythology will study the different origins of myth across a wide range of cultures. We will discuss Roman/Greek, Native Americans, Egyptian and Norse mythology. Students will participate in group presentations, individual and group projects, and a variety of creative activities. The second semester will</p>

		<p>include the exploration of fantasy, sword and sorcery, heroic fantasy, horror, wizards and magic, and urban fantasy explored through the world of Harry Potter, Lord of the Rings/The Hobbit, and other short stories. Students will participate in group presentations, individual and group projects, writing, and a variety of creative activities.</p> <p>Prerequisite: Successful course completion of ELA 9</p>
<p>Grades 10-12</p> <p>2 semesters S1, S2</p> <p>ELECTIVE</p>	Communications	<p>Communications is a class designed to teach students the skills and techniques necessary to command an audience's attention and to entertain, inform, and persuade an audience. Students will see exponential growth in their public speaking ability and confidence. Additionally, students will learn how to better communicate in their interpersonal relationships.</p>
<p>Grades 9-12</p> <p>2 semesters S1, S2</p>	Mass Media & Marketing	<p>This course covers an introduction to mass media including newspapers, radio, television, magazines, advertising, and public relations. Explore the evolution of mass communication as well as how 21st century technology has introduced new channels like social media, podcasts, and digital marketing. Learn about important issues that confront students as consumers and producers of mass media in both society and professional practices. Consider the factors that have shaped the nature of contemporary media, including their uses, functions, and audiences. In addition to learning and understanding the fundamentals of Mass Media & Marketing, learners will also engage in student-produced newscasts, content, and media throughout the year.</p>
<p>Grades 9-12</p> <p>2 semesters S1, S2</p>	Creative Writing	<p>This course will focus on expressive writing in many different forms. Students will have the opportunity to explore several different types of poetry and prose styles, as well as responding to literature, art mediums, quotes, and music. Originality and writing that shows thought will be emphasized. Strategies to avoid writer's block and new ways to uncover ideas for writing will be studied. Peer reviews and sharing ideas are essential elements to this course.</p>
Mathematics		
<p>Grade 9</p> <p>1 Year</p> <p>Satisfies Algebra 1 requirement</p>	Algebra 1	<p>Algebra 1 will focus on solving, factoring, and graphing of equations.</p>

Grade 9 1 Year Satisfies Geometry requirement	Geometry Honors	<p>The Geometry course includes a study of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students will be required to use different technological tools and manipulatives to discover and explain much of the course content.</p> <p>Prerequisite: Honors level course, Completion of Algebra 1 and teacher referral.</p>
Grade 10 1 Year Satisfies Geometry requirement	Geometry	<p>The Geometry course includes a study of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students will be required to use different technological tools and manipulatives to discover and explain much of the course content.</p> <p>Prerequisite: Completion of Algebra 1</p>
Grade 10 1 Year Satisfies Algebra 2 requirement	Algebra 2 Honors	<p>In Algebra 2, fundamental skills of mathematics will be applied to such topics as functions, equations and inequalities, radical and rational functions, logarithmic and exponential relationships, quadratic and polynomial equations, and some trigonometry. Technology will be used to introduce and expand upon the areas of study listed above. Use of graphing calculators will be incorporated into each chapter. Algebra 2 builds a foundation of mathematics for those students going on to PreCalculus and/or students who are college bound. Along with many colleges, a majority of careers require a successful completion of an Algebra 2 course. This course is more rapid than Algebra 2 and studies the above topics at a more advanced level.</p> <p>Prerequisite: Completion of Algebra 1 and Geometry</p>
Grade 11	Algebra 2	<p>In Algebra 2, fundamental skills of mathematics will be applied to such topics as functions, equations and</p>

1 Year Satisfies Algebra 2 requirement		<p>inequalities, radical and rational functions, logarithmic and exponential relationships, quadratic and polynomial equations, and some trigonometry. Technology will be used to introduce and expand upon the areas of study listed above. Use of graphing calculators will be incorporated into each chapter. Algebra 2 builds a foundation of mathematics for those students going on to PreCalculus and/or students who are college bound. Along with many colleges, a majority of careers require a successful completion of an Algebra 2 course.</p> <p>Prerequisite: Completion of Algebra 1 and Geometry</p>
Grades 11-12 1 Year Elective	Pre-Calculus Honors	<p>Learning advanced algebraic techniques and problem solving to prepare students for taking higher level mathematics in the future.</p> <p>Prerequisite: Honors Level Course, Completion of Honors Algebra II or B or better in non-Honors Algebra II</p>
Grades 11-12 1 Year Elective	Calculus Honors (AP)	<p>Students will learn how to do differential and integral calculus equivalent to a Calculus I class offered in college. Students will be given the opportunity to take the AP Calculus test at the end of the course to potentially receive college credit for the course.</p> <p>Prerequisite: Honors Level Course, Honors Pre-Calculus</p>
Grade 12 1 Year Elective	Personal Finance	<p>Students will learn about basic personal finances, which they need to be successful as an adult. They will learn about Careers and Education, Budgeting, Saving, Renting and Buying, Taxes, Investing, Insurance, and Retirement Planning.</p>
Grades 10-12 1 Year Elective	Statistics Honors (AP)	<p>Students will be taught standards equivalent to an introductory Statistics class taught in college. Students will have the option of taking the AP Statistics test at the end of the course to potentially receive college credit for the course. *See top of next page*</p> <p>Prerequisite: Honors Level Course, Algebra II or Honors Algebra II</p>
Science		
Grade 9 1 Year	Biology	<p>Biology is a study of common living things and their importance to humankind. The course develops an understanding of the basic life processes found in</p>

Satisfies Biology requirement		<p>typical organisms and the specific structures involved. Students will study the following topics: Cells, Organization of Living Things, Heredity, Evolution, and Ecosystems. The course provides experience in observation and procedures which are characteristics of the scientific method, and emphasizes the development of desirable scientific attitudes. Experiments will enable students to apply principles in procedures that develop laboratory writing, problem-solving, and reasoning skills.</p> <p>This course has been designed to meet the rigor and relevance of the Next Generation Science Standards, in preparation for the SAT and M-STEP examinations. Students will be expected to complete several course-related projects and laboratory experiments, in addition to unit exams.</p>
Grade 10, 11 1 Year Satisfies Chem/Phys requirement	Chemistry	<p>Chemistry is the branch of physical science dealing with the structure and composition of materials and the changes in composition which these materials undergo. The course includes a review of fundamental terms and development of topics concerning atomic structure, periodic table, chemical bonding, symbolic notation, formula and equation writing. The remainder of the theoretical and descriptive material of the course is then based on the relationship between the structures of substances and the properties they exhibit. Emphasis is placed on developing conceptual knowledge of the topics presented.</p> <p>This course has been designed to meet the rigor and relevance of the Next Generation Science Standards, in preparation for the SAT and M-STEP examinations. Students will be expected to complete several course-related projects and laboratory experiments, in addition to unit exams.</p>
Grades 10-12 1 Year Satisfies Chem/Phys requirement	Chemistry Honors	<p>Chemistry is the branch of physical science dealing with the structure and composition of materials and the changes in composition which these materials undergo. The course includes a review of fundamental terms and development of topics concerning atomic structure, periodic table, chemical bonding, symbolic notation, formula and equation writing. The remainder of the theoretical and descriptive material of the course is then based on the relationship between the structure of substances and the properties they exhibit. Emphasis is placed on the practical application of the theoretical concepts presented. This application is shown in terms of advanced laboratory work, problem solving, and mathematical calculations.</p> <p>*Completion of Honors Chemistry will provide the</p>

		<p>student an opportunity to be challenged and be able to prepare for academics outside of high school. This course requires the student to be an independent learner and take ownership of his or her learning.</p> <p>Prerequisite: Honors Level Course, Teacher approval - this is a weighted class</p>
<p>Grades 11-12</p> <p>1 Year</p> <p>Satisfies the Sci Elective Requirement</p>	Advanced Chemistry	<p>This course is an exploration of advanced chemistry topics not covered in first year chemistry. Students will learn about reaction rates (kinetics), equilibrium states, electrochemistry, thermochemistry, and organic chemistry in a hands-on, lab-centered class. Students will develop scientific communication skills through reading scientific material as well as producing scientific writing to demonstrate understanding or communicate findings based on experimental evidence.</p> <p>Advanced Chemistry will provide students who are interested in higher education science courses with a more balanced base of understanding.</p> <p>Prerequisites: Algebra 1 and Chemistry</p>
<p>Grades 11-12</p> <p>1 Year</p> <p>Satisfies the Chem/Phys requirement</p>	Physics Honors	<p>Physics is the study of matter and energy, and how the two react with one another. The class will start with the study of motion, through Galileo's experiments and Newton's Laws of Motion. A study of Newtonian Mechanics will follow, with discussions of energy, inertia, gravity, etc. The course will conclude with a study of electromagnetism and nuclear physics. Physics will be taught through a combination of lecture & laboratory experiments. Students enrolled in physics should have a strong math and science background.</p> <p>*Completion of Honors Physics will provide the student an opportunity to be challenged and be able to prepare for academics outside of high school. This course requires the student to be an independent learner and take ownership of his or her learning.</p> <p>Prerequisites: Honors Level Course, Teacher approval - this is a weighted class</p>
<p>Grades 10-12</p> <p>1 Year</p> <p>Satisfies the Elective Science Credit</p>	Environmental Science	<p>Environmental Science introduces students to the Earth's physical and biological systems, and the interactions of humans with these. The course will focus on energy extraction issues, pollution, and the wider environmental implications of rural and urban development.</p>

Social Studies

Grade 9 1 Year Satisfies US History requirement	US History	This course covers the events in the U.S. from the end of Reconstruction in 1877 to the Present.
Grade 10 1 Year Satisfies World History requirement	World History & Geography	World History examines human development from the dawn of civilization to the present day. Students learn about the socioeconomic conditions, political institutions, and ideological attitudes that have marked various time periods throughout history. Using primary and secondary sources, students conduct an inquiry-based research to examine historical events, cultural developments, and social and family structures. Students are encouraged to use critical-thinking and problem-solving skills to evaluate the achievements of various historical civilizations.
Grade 10-12 1 Year Satisfies Civics and Economics Requirement	(AP) Government	AP U.S. Government provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the key political institutions. Prerequisites: Honors Level Course, Teacher approval - this is a weighted class
Grade 11 1 Semester S1 only Satisfies Economics requirement	Economics	Economics is the study of choices and decisions people make about how to use the world's resources. Understanding economics will help you make informed decisions for yourself and assess the decisions made by others.
Grade 11 1 Semester S2 only Satisfies Civics or US Government requirements	Civics	Students will learn about the U.S. Constitution. Civics will focus on the government that the Constitution created and the rights that it grants to its citizens.

<p>Grades 10-12</p> <p>2 Semesters S1, S2</p> <p>Elective</p>	<p>Military History</p>	<p>One of the cornerstones of World History is the way in which humans conduct conflicts against one another. The history of warfare mirrors the ebbs and flows of empires and civilization itself. It has dictated the terms of diplomacy, led to many major innovations, and prematurely ended the lives of tens of millions. Thus we must seek to understand the infinite aspects of war to understand ourselves.</p> <p>This course will examine the evolution and impact of armed conflict from the ancient's times to the present. Students will research and analyze the causes of war, military theorists from Sun Tzu to Clausewitz, the social and cultural foundations of conflict, and the impact and evolution of leadership, technological evolution, tactics, and strategy.</p>
<p>Grades 10-12</p> <p>2 Semesters S1, S2</p> <p>Elective</p>	<p>Surviving with Social Studies</p>	<p>How do we not only survive a potential apocalypse but learn to thrive? These questions can focus our attention on a highly motivating and dangerously overlooked fact: History, Political Science, Geography, and other Social Sciences can save you from the apocalypse! This course will use a survival scenario to motivate study of a complete curriculum based on the Social Studies Standards, and then apply these skills to a series of scenarios based on surviving an apocalypse.</p>
<h2>ELECTIVES</h2>		
<p>Grade 9-12</p> <p>2 Semesters S1, S2</p> <p>Satisfies VPAA</p>	<p>Art Studies</p>	<p>Take art to satisfy your creative desire while also fulfilling your Fine Arts requirement for graduation. If you love the art studio, you can repeat this class to continue growing your artistic skills each year of high school. Beginning to intermediate students investigate a variety of creative assignments based on concrete themes and modified choice while learning about the elements of design, artistic behaviors, art history, art analysis and criticism. Students will practice technique, explore a variety of media, find original solutions to problems, and develop a visual means of communication. Repeat advanced students will develop their personal voice while creating their art in their medium of choice, fully engaging in the function of a working art studio. HS Credit awarded.</p>
<p>Grades 9-12</p> <p>2 Semesters S1, S2</p> <p>Satisfies VPAA</p>	<p>Choir</p>	<p>Students who wish to continue their musical education beyond seventh grade may sign up for HS Choir. In HS Choir, we continue to build on the skills and techniques that students learned in 7th grade and apply them to more difficult music. As students grow more mature as musicians and individuals, they are</p>

		<p>given more responsibility in the form of additional performances. 8th grade students perform in four concerts per year: the Fall Concert, the Holiday Concert in December, the Pre-Festival Concert in February, and the Spring Concert in May. Additionally, choir students travel to District MSVMA Choir Festival, where they represent our school as they perform two pieces of music and sight-read for a panel of judges. Students in this class also have the opportunity to travel to MSVMA Solo & Ensemble Festival to perform individually or in a small group for a judge.</p>
<p>Grades 9</p> <p>2 Semesters S1, S2</p> <p>Satisfies Physical Education Requirement</p>	Health/Life Fitness	<p>Life Fitness is designed to help individuals develop the cardiovascular endurance and muscular strength necessary to achieve healthy fitness levels. Everyday of the week we focus on the five components of physical fitness. Class time will be devoted to strength training as well as conditioning or cardiorespiratory endurance to encourage participants to develop the self-discipline needed to improve their success in the class. The remaining class time will be devoted to team sports and/or game activities.</p>
<p>Grades 9-12</p> <p>2 Semesters S1, S2</p> <p>Elective</p> <p>Satisfies half of the Physical Education requirements</p>	Team Sports	<p>Team Sports is a class designed for those that love to learn about and participate in team sports such as Volleyball, Basketball, Softball, Soccer, Speedball, Lacrosse, and some more individualized sports such as tennis and pickleball. These are just to name a few of the sports that we will be participating in. A major prerequisite for team sports is a positive attitude and most importantly good sportsmanship. Students will learn the proper technique and rules for each sport in order to become lifelong sports enthusiasts.</p>
<p>Grades 9-12</p> <p>2 Semesters S1, S2</p> <p>Elective</p> <p>Satisfies half of the Physical Education requirements</p>	Weight Training	<p>This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning. Students will be empowered to develop positive behaviors in fitness, wellness, and movement to be active for a lifetime.</p>
<p>Grades 11-12</p> <p>1 Year</p> <p>Elective</p>	Psychology (AP)	<p>Explore the ideas, theories, and methods of the scientific study of behavior and mental processes. You'll examine the concepts of psychology through reading and discussion and you'll analyze data from psychological research studies. Students will connect psychological concepts and theories to real-life scenarios, analyze research studies in psychology, and</p>

		<p>understand and interpret data.</p> <p>Prerequisite: Honors Level Course. Students will have the opportunity to take the AP exam to earn college credit.</p>
<p>Grades 9-12</p> <p>1 Year</p> <p>Satisfies World Language 1 requirement</p>	Spanish 1	<p>Spanish I is an introductory level course to the intense study of the Spanish language. This course implements reading, writing, listening, and speaking as everyday components of learning the language.</p>
<p>Grades 9-12</p> <p>1 Year</p> <p>Satisfies World Language 2 requirement</p>	Spanish 2	<p>Spanish II is a continuation of Spanish I. Students will continue to learn through reading, writing, listening, and speaking as everyday components of learning the language. Spanish II will also expand their cultural knowledge of the language. Each student is expected to communicate in Spanish to the extent of their abilities, with both the instructor and their peers from day one and will be assessed on progress made.</p> <p>Prerequisite: Spanish 1</p>
<p>Grades 10-12</p> <p>1 Year</p> <p>Elective</p> <p>Satisfies VPAA</p>	Spanish 3 Honors	<p>Spanish III is an advanced level course to the intense study of the Spanish language. This course implements reading, writing, listening, and speaking as everyday components of learning the language. Each student is expected to communicate in Spanish to the extent of their abilities, with both the instructor and their peers from day one and will be assessed on progress made</p> <p>Prerequisite: Spanish 2</p>
<p>Grades 11-12</p> <p>1 Year</p> <p>Elective</p> <p>Satisfies VPAA</p>	Spanish 4 Honors	<p>Spanish IV is an advanced level course to the intense study of the Spanish language. This course implements reading, writing, listening, and speaking as everyday components of learning the language. Each student is expected to communicate in Spanish to the extent of their abilities, with both the instructor and their peers from day one and will be assessed on progress made</p> <p>Prerequisite: Spanish 3</p>
<p>Grades 10-11</p> <p>1 Year</p> <p>Elective</p> <p>Satisfies VPAA</p>	Yearbook	<p>Yearbook is a class committed to documenting all of the special events that make each school year unique. You'll get the opportunity to take pictures, design the theme and layout of the yearbook, sell advertisements and yearbooks, learn to write captions and text! You must be committed to finishing our yearbook, but there are a lot of great opportunities for you to create a</p>

Seniors will be admitted on a limited and conditional basis.		lasting memory of your high school experience. Please note that this class REQUIRES you to participate outside of the scheduled class times. Students will be required to attend events after school and on weekends to take pictures and conduct interviews. Prerequisite: 3.25 Cumulative GPA and teacher approval.
Grades 10-12 1 Year Elective Satisfies VPAA	Intro to Graphic Arts	This course will introduce you to two incredible software systems from Adobe to generate illustrations, enhance and modify graphics (and photography), and combine all elements to create a wide variety of designs, art, photo projects and much more! Adobe Illustrator is used to generate graphics and design. Adobe Photoshop is used to alter and modify digital photography. Students will touch on both of these software programs using the Creative Cloud package. Additionally, we will explore a variety of online graphic design programs and students will get to work with state-of-the-art industry equipment such as Wacom tablets. Students will spend 1 hour in class learning the basics of a variety of graphic design software systems and identifying potential career opportunities in the Graphic Design field.
Grades 10-12 1 Year Elective Satisfies VPAA	Intro to Computer Science	This is an introductory course for students interested in computational thinking and computer programming. Students will begin by learning about how the internet works as a technology and the role of computer systems in sending and receiving information. Students will use HTML, CSS, and Javascript throughout the course to develop their own personal website from scratch. Students will also explore programming concepts like variables, looping, conditionals, functions, data fetching, and progressive enhancement to improve a website's functionality. Students will also complete inquiry projects, including building their own game, exploring different web development technologies and evaluate the pros and cons of using frameworks to abstract programming concepts to ease application development. Prerequisites: Biology
Grades 9-12 1 Year Elective Satisfies VPAA	High School Band	Students who continue their music education into their high school years will be exposed to a diverse selection of musical repertoire that will challenge not only their technique and musicianship, but will open their ears to the sounds, experiences, and stories that echo their own. Students will study music from a variety of cultures and traditions, as well as music that celebrates our own history. Students will be challenged to be thoughtful, reflective, and responsive in regard to

		<p>their music making. Furthermore, students will be challenged to be a leader, whether or not they are given a title. In addition to the three annual concerts per year, all high school band students participate in the Buchanan High School Marching Band. This ensemble represents the community with pride at all major town events and parades, as well as District MSBOA Marching Band Festival, the Lakeshore Marching Band invitational, and in MCBA Marching Band Competitions across the state. Since we began competing in 2017, Buchanan is proud to have qualified every year for MCBA State Finals at Ford Field in Detroit, MI. High School Band students are also given the opportunity to participate in District Solo & Ensemble Festival, and if they qualify they may go on to perform at the State level. Students are also given several opportunities each year to expand their musical knowledge and experience by auditioning for various honor bands and community ensembles across southwestern Michigan.</p>
<p>Grades 10-12 1 Year Satisfies VPAA</p>	<p>Band: Independent Study</p>	<p>This course is offered by application to qualified 10th, 11th, and 12th grade band students who are already enrolled in a band class. Students enrolled as an independent study would have a second band class added to their schedule where they would be actively involved in assisting younger musicians on their primary instrument and have the possibility of picking up a secondary instrument themselves. This course is designed to help build leadership skills through direct study and mentorship in music, and is ideal for students considering a career in Music or Education. Interested students should email Mrs. Russell at dcruessell@buchananschools.com.</p>
<p>Grades 9-10 1 Year Elective</p>	<p>Intro to Automotive Tech</p>	<p>A hands-on class where students will spend time studying the fundamentals of how the automobile works. This course is for students who are planning a career in the automobile, truck or heavy equipment repair industry. Students taking this course will be expected to wear proper work clothes and safety eye protection at all times.</p>
<p>Grades 9-10 1 Year Elective</p>	<p>Intro to Culinary</p>	<p>Intro to culinary is a class that explores the beginning stages of cooking. Learning everything from sanitation to holding a knife. Basic skills of cooking breakfast, lunch and dinner as basic baking and decorating will be accomplished during the class. Students will be graded on daily bookwork and participation in the class.</p>
<p>On-Campus Career Technical Education (CTE)</p>		

Grades 11-12 1 Year CTE Requires 2 Hour Block	Advanced Automotive Tech	The automotive course is broken up into lab time and classroom time. The areas covered will help a student become more independent with his/her own auto repairs. The basics of repair and maintenance will be discussed. This course focuses on employability skills, manuals and data, tools, batteries and electrical systems, tires, lubrication, ignition systems, cooling systems, disc brakes, drum brakes, steering and suspensions, and fuel systems. This course will help prepare students for a career in the automotive trade.
Grades 11-12 1 Year CTE Requires 2 Hour Block	Culinary Arts	Culinary is a class that explores the stages of cooking. Learning everything from sanitation to holding a knife. Basic skills of cooking breakfast, lunch and dinner as basic baking and decorating will be accomplished during the class. Students will be graded on daily bookwork and participation in the class.
Grades 11-12 1 Year CTE Requires 2 Hour Block	Graphic Design (Digital Multimedia)	Graphic design is a class that includes creativity, art, technology, animation, design, website creation and industry certifications all in one course! You'll get to use the Adobe software Photoshop, Illustrator, InDesign, Animate, and Dreamweaver in this 2- hour CTE class. Plus you'll be able to use cutting edge technology in our lab with our Wacom tablets and explore motion photography and video with our new Drone!
Grades 10 - 12 1 Year CTE	BMA (Business Management Administration)	This class will prepare you for the multimedia-rich workplace by teaching you multimedia concepts as well as business-standard software applications. Specifically, you will have the opportunity to earn industry recognized certifications in Microsoft PowerPoint, Word, Excel and Business Communication in this 1 hour CTE class.
Grades 11-12 1 Year CTE Requires 2 Hour Block	CISCO	In this class, you will learn how to design, build, and manage network infrastructure at many levels. There are also numerous hands-on PC building experiences. The CISCO Academy is an alliance between CISCO Systems, Academy curriculum sponsors, private institutions, education, business, government, and communities. Students who successfully complete this program and their Certified CISCO Network Academy (CCNA) certification are well on their way to a high-tech career in network administration.
Grades 12 1 Year CTE	Cosmetology (off campus)	This certified program is regulated by the Michigan State Board of Cosmetology and meets the required 1500 hours of classroom and clinic floor experience. Students may enroll in the program during their junior or senior year of high school; however, students are

<p>Requires 4 Hour Block</p> <p>Seniors only</p>		<p>encouraged to enroll as juniors so they will have time to complete the entire program during high school. The cosmetology program trains students in the theory and practical aspects of cosmetology. The goal is to prepare students for immediate employment opportunities with special emphasis placed on enhancing technical skills with practical communication and people skills. The course is designed to help students develop proper habits in sanitation, health, and safety in the practice of cosmetology. A positive attitude and ethical business practices are emphasized throughout the course.</p>
<p>Grades 11-12</p> <p>1 Year</p> <p>CTE</p> <p>Requires 3 Hour Block</p>	<p>Sports Medicine (off-campus)</p>	<p>The Sports Medicine programs assist students in career exploration and a mastery of basic injury care skills. The course provides students with a combination of classroom instruction and clinical experience that leads to career exploration in various sports medicine fields. Students learn the skills needed to provide basic injury care skills in their area of interest.</p>