Promethean
Illuminating the pathway to your career
Charter School

Ms. Hanson, Director/Lead Teacher

.5 Credit/Semester

At the Charter School, 9th-12th grade students work independently using an Individual Learning Plan that is career oriented and involves a combination of self-assessment, blended learning, and project-based learning. There is an emphasis on developing the students' writing and employability skills. Our Butternut High School Teachers are available to the student as part of their Learning Team. Required courses for high school graduation are indicated by an asterisk (*). An end of semester presentation is required.

Independent Study is when a student designs a unique learning experience that must be pre-approved by the School Board, Administration and the Director. Thus, advance planning is necessary, discuss your idea with the Director to get started.

Teacher Assistant/ Computer Assistant & BLT

.25 Credit/Semester 9th-12th Grade

This student will assist elementary students with using and learning about computers. Student must be available both 7th and 8th hours. This course includes Butternut Learning Time BLT. Credits earned count toward credit for graduation but are not included in figuring GPA (Pass/Fail).

Work Experience is when a student will identify, practice, and work toward proficiency in a variety of employability skills. Students research career interests, complete aptitude inventories, complete a resume and cover letter, plan a job placement, and set employability skill goals to master. Students complete an on the job orientation and a minimum of 80 hours of work experience each quarter. Employers regularly communicate student job performance with the Work Coordinator. Credits earned count toward credit for graduation but are not included in figuring GPA (Pass/Fail).

ITV Distance Learning is when a student takes a course with a teacher that is located at a different school via an audio/video connection through their computer or smart TV. See the course catalog available with the Charter Director or School Counselor.

Charter Science Courses-*Ms. Ertl*

****Integrated Physics & Chemistry:*** This is a two-semester course. Semester A the student will first learn about the "basics" of physics, since physics is actually the foundation of chemistry. They will learn how to describe and analyze motion, how forces interact with matter, and how to further describe these interactions with the aid of the concepts of energy and momentum. They will also learn about waves, electricity, and magnetism. Semester B will begin the study of chemistry. This includes the atomic and molecular structures that result in different chemical properties and the concepts and tools that will enable you to predict chemical properties and chemical reactions. Students will learn about key types of chemical relationships and reactions, including solutions and acid-base reactions. Finally, the student will extend their knowledge into the areas of thermal and nuclear energy.

****Biology.*** Biology with Virtual Labs is a two-semester course designed to strengthen the students' knowledge of basic biology. Semester A first unit provides an introduction to biology and biochemistry. It focuses on the roles of and differences between plant and animal cells. In the second unit, they will learn about the functions of different organ systems. The third unit covers cell division and the role of DNA and chromosomes in passing traits from parents to offspring. Semester B first unit focuses on the classification, characteristics and biological processes of living organisms. In the second unit, the student will study evolutionary mechanisms and the impact of environmental factors on species over time. The third unit focuses on the conservation of energy as it relates to living things and different ecosystems. In the last unit, they will explore how different ecosystems are interdependent.

Chemistry: This is a two-semester course that looks at matter's composition, properties, and transformations. Semester A has the student exploring the structure and properties of matter. They will analyze and construct the periodic table of elements. They will compare elements based on their atomic structures and relative positions in the periodic table. The student will also discuss the chemical bonding taking place in ionic and covalent compounds and metals. Finally, the student will predict the outcome of chemical reactions based on the reactants involved. Semester B the student will calculate the theoretical quantities of substances involved in a chemical reaction through the study of stoichiometry. They will analyze chemical reactions that involve aqueous solutions, acids and bases, and gases. They will see how gases respond to changes in pressure, volume, temperature, and quantity through the ideal gas law. They will also calculate changes in temperature caused by physical and chemical processes and analyze reactions in terms of bond energies. Finally, the student will understand how atoms are changed by the unique processes of radioactive decay, nuclear fusion, and nuclear fission.

Earth & Space Science: This two-semester course is the study of the structure of our planet and Earth's role in the solar system and universe. This branch of science relies on observations, historical data, and physical evidence to describe the natural processes that occur around us and in distant space. Semester A begins with a discussion of the methods and tools that scientists use to study Earth and space science, including the scientific method, modeling, and mathematics. You'll look at theories for how the planets, solar system, and universe formed and explain the interactions between the Sun, Earth, and Moon. You'll also learn about the emergence of Earth's materials, atmosphere, and first lifeforms, as well as the dating methods that help us piece together Earth's unique history. Semester B compares the composition of rocks and minerals and analyzing the processes involved in the rock cycle. Students will explore the tectonic mechanisms that lead to some of Earth's most prominent geological features. Students will study important interactions between the hydrosphere and atmosphere and the role they play in weathering and erosion. They will also differentiate between weather and climate and make evidence-based predictions about both using data and modeling. The last unit in this course highlights the negative effects that humans can have on the natural cycles of Earth, as well as effective measures we can take to protect our planet.

Environmental Science: This two semester course introduces the concepts and processes of environmental science as an interdisciplinary field. Semester A has students describe an ecosystem, importance of biodiversity, ecological interactions, and describe the steps of the water cycle, and how carbon, oxygen, nitrogen, and phosphorus cycle in the global environment. Semester B has the student learning about e factors that affect populations, explain waste management, describe different forms of pollution, and ways to control pollution, describe various nonrenewable and renewable energy sources, and identify factors that affect sustainable development.

Life Science: This is a two-semester course dealing with the study of all types of living organisms, such as microorganisms, plants, animals, and humans. The field focuses on their organization and life processes. Semester A begins with the basic unit of life—the cell. Students will discover how cells build up tissues, organs, and systems. They will study the growth and development processes of different organisms and see how genes are responsible for the traits of organisms. They will also explore natural selection and artificial selection and their effects on the genetic traits of organisms. Semester B has students learning how life evolved on Earth. They will analyze fossil data to determine the evidence it provides about evolution. They will study ecosystems, the flow of energy in an ecosystem, and the various relationships in an ecosystem. In addition, they will discover the interdependence that is present in all ecosystems. At the end of the course, they will determine the effects that humans and environmental factors have on the ecosystems and devise solutions to protect the biodiversity of ecosystems from these effects.

Physical Science: This is a two-semester course that studies matter and energy. Semester A, the student will describe the atomic and molecular structure of substances using models. They will investigate how chemical reactions involve energy and lead to changes in properties of substances. They will also model different kinds of forces and the effect they have on the motion of objects. They will solve problems involving work and power and apply these

principles to simple machines. At the end of the semester, they will see how simple machines make up more complex machines that are important in our lives. In semester B the student will investigate gravitational, electric, and magnetic force fields and identify factors that determine their strength. They will apply concepts of electricity and magnetism to explain how motors, generators, and electromagnets work. They will discuss energy transformations in objects and systems, including how heat flows between objects that are at different temperatures. They will model how sound and light travel as waves and how they interact with different forms of matter. By the end of the course, students will explore how electromagnetic waves help us communicate with one another and collect information about the universe.

Physics: This is a two-semester course. In semester A, students will learn about the "basics" of physics: how to describe and analyze motion, how forces interact with matter, and how to further describe these interactions with the aid of the concepts of energy and momentum. Finally, students will explore one more specialized topic, thermodynamics, the physics of heat. In semester B students will use their physical understanding of motion, forces and energy and apply that knowledge to some important, specialized topics in physics: the behavior of waves, applications of wave theory to light and optics, the interaction of electrical and magnetic forces, and the special "non-Newtonian" properties of energy and matter described by quantum theory.

Sports Physiology-Human Sports Performance Prerequisite: Intro to Biology
The student will explore biology and human sports performance as it relates to exercise physiology. Course in Sports Physiology will examine human anatomy and physiology as they pertain to human movement and physical performance in sports activities. These courses may also emphasize the prevention and treatment of athletic injuries. 6959 08017G

Charter Math Courses-*Miss Lueddecke*

****Algebra 1:*** Algebra 1 is a two-semester course designed to cultivate and periodically assess the student's subject-matter knowledge while strengthening their mathematical skills. Semester A includes lessons that focus on the relationships of linear and nonlinear equations. Students will learn to create, graph, and solve linear and exponential equations and inequalities. They will also use function notation to describe relationships between quantities and interpret function notation accurately to solve problems. Toward the end of this course, they will study transformations of linear and exponential functions. Semester B includes lessons that focus on the relationship of linear, exponential, and quadratic functions. The student will create, graph, and solve quadratic equations and inequalities in one or two variables. They will also add, subtract, and multiply linear and quadratic polynomials. At the end of this course, they will interpret, analyze, and build functions.

****Geometry:*** This two-semester course uses logic and formal thinking to establish mathematical relationships between points, lines, surfaces, and solids. Semester A, the student will explore rigid and non-rigid transformations of figures in the coordinate plane and use them to establish congruence and similarity of triangles and other shapes. They will also prove theorems about lines, angles, triangles, and parallelograms, and build geometric constructions using both basic tools and modern technology. In conclusion, they will apply their knowledge of triangles as they investigate the mathematics of trigonometry. Semester B has the student reviewing the volume formulas for some common solid figures as they extend their knowledge of two-dimensional shapes to three-dimensional shapes. They will also transition from primarily Euclidean geometry to analytical geometry—a segment of geometry focused on numerical measurements and coordinate algebra. They will use analytical geometry and observations to investigate the properties of circles and constructions related to circles. Semester B closes with a study of independent and conditional probability and how the student can use probability models to represent situations arising in everyday life.

Algebra 2: Algebra 2 is a two-semester course designed to cultivate and periodically assess the students' subject-matter knowledge while strengthening their mathematical skills. Semester A includes lessons that focus on the interpretation of polynomial and rational expressions. The student will learn to create, graph, and solve equations and inequalities. They will also identify the key features of different types of functions and analyze them with tables, graphs, and equations. Semester B includes lessons that focus on function transformations on the coordinate plane, the inverse of functions, and the properties of functions. The student will learn to create and graph trigonometric functions and identify their key features. Toward the end of this course, they will build their understanding of the key concepts of probability and statistics.

Probability & Statistics (prerequisite Algebra I)***:*** In this course, the student will represent and interpret data using dot plots, histograms, box plots, two-way frequency tables, and scatter plots. They will study normal distributions and distinguish between correlation and causation. They will also determine the conditional probability of two events or whether the events are independent. Using counting techniques and the rules of probability, they will calculate probabilities and use the results to make educated and fair decisions. They will evaluate several data collection techniques and statistical models, including simulations. The course closes with information on how they can use probability models to represent situations arising in everyday life that involve both payoff and risk.

Charter English Courses-*Mr. Babler*

****English 9:*** This two-semester course studies the creation and analysis of literature written in the English language. Semester A the student will study a variety of techniques to improve their reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. The student will read and analyze literature in different genres as well as practice skills related to good study habits. They will sharpen their writing skills as they evaluate literary works with regard to literary technique, form, and theme. Semester B the student will read and analyze Shakespeare's play Romeo and Juliet, as well as read speeches and essays to evaluate their arguments.

****English 10:*** This two-semester course studies the creation and analysis of literature written in the English language. In Semester A, the student will analyze and explain the different literary devices used in short stories, such as subject, theme, mood, plot, and narration. They will study a variety of literary works to learn more about literary devices. The second unit covers many types of informational texts. In the third unit, they will explore drama from a range of eras. In addition, they will complete writing activities in which they will employ analytical and persuasive skills. The student will also study a variety of techniques to improve their reading comprehension, writing skills, and grammar and mechanics. Semester B will explore characteristics of different genres of fiction, such as realistic fiction, historical fiction, and science fiction, and analyze historical context, theme, and genre in Franz Kafka's novella The Metamorphosis. The second unit covers many types of nonfiction writing, including memoirs, personal essays, public essays, speeches, and narrative nonfiction. In the third unit, the student will analyze traits and genres of poetry. In addition, they will complete writing activities in which they will employ analytical and persuasive skills.

American Literature (English 11): This two-semester course studies the creation and analysis of literature written in the English language. The student will study a variety of techniques to improve their reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. The student will read and analyze different genres in literature with an emphasis on American literary movements over time. They will also complete writing activities to evaluate literary works with regard to literary techniques, form, and theme.

British Literature (English 12): This two-semester course is the study of the creation and analysis of literature written in the English language. Semester A has the student exploring the relation between British history and literature from the Anglo-Saxon period through the neoclassical era, including the works of Shakespeare. Semester B studies the romantic period to the modern era. They will read and analyze a variety of literary works from these time periods using relevant cultural and political history presented in each lesson. They will also study a variety of techniques to improve their reading comprehension, writing skills, and grammar and mechanics. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. In addition they will complete writing activities in which they will employ analytical and persuasive skills.

Creative Writing: Students will learn how to write narratives, short fiction, and poetry. Each unit provides the framework and materials needed to build the writer's skills including: sequential writing process, prewriting activities, draft directions, editing and proofreading activities, and excerpts and quotations from famous authors and student writing samples.

Gothic Literature and Monster Stories: This is a two semester course where students learn about how some of the world's greatest authors from the 19th century through today. Gothic elements tackle serious issues such as Emily Dickinson's poems about mortality and spirituality, Robert Louis Stevenson's classic Gothic novella Strange Case of Dr. Jekyll and Mr. Hyde, Edgar Allan Poe's Gothic short stories, Bram Stoker's Dracula, Robert Browning's Gothic poems, Percy Bysshe Shelley's Gothic drama, The Cenci, Mary Shelley's classic Gothic novel, Frankenstein, Gothic parodies and Gothic subgenres, and modern Gothic literature.

Introduction to Journalism: This two semester course has students explore the history of journalism and see how social media and the digital world has changed the way news media operates. Learn the basics of press law as well as the code of ethics journalists should follow. Understand how to make your writing and speaking more powerful. Semester B has students learn how to write a lead that grabs your readers, discover the roles of sources and how to interview them effectively, and explore the best options for researching your story in a digital world. You will also understand the role editors and producers play in the revision process, learn how to prepare your posts for publication, and how to follow the publication process.

Public Speaking: This is a two semester course where students will learn from famous orators, like Aristotle and Cicero, understand the influence of rhetoric, and discover how to recognize bias, prejudice, and propaganda. Students will also learn how to plan a speech, build an argument, and communicate effectively, while collaborating with others. Master the fundamentals of public speaking through practice and eventually learn to speak confidently in front of large groups. Explore the use of inductive and deductive reasoning, learn how to prepare a speech outline, and discover how to write your own speech using correct and emotive language.

Reading & Writing for Purpose: This course will introduce the student to useful, real-world information by learning to read legal, insurance, employment, and vehicle related documents. The student will also explore media bias, trends in journalism, word structures, and research strategies while developing critical reading skills, outline building skills, and identifying good sources of information. This course builds life and study skills, setting the student up for success as an adult and post-secondary preparation.

Structure of Writing: Structure of Writing is the study of principles of grammar and effective writing, and the application of these principles to writing. In Structure of Writing, the student will learn about the types of sentences, punctuation marks and grammar rules such as subject verb agreement and tenses; you will also learn about different parts of speech and their correct usage; examine the concept of parallel structure in sentences as well as identify and correct run-on sentences. Finally, the student will learn about developing paragraphs and essays.

Charter Social Studies Courses*-Mr. Abernathy*

World History: This is a two-semester course. In Semester A, the student explores major historical events around the world. In the first unit, they will develop their historical thinking skills. In the second unit, they will examine the origins and developments of European exploration. In the third unit, they will learn about the causes and effects of the Renaissance and the Reformation. In the fourth unit, they will explore revolutions that occurred from 1789 to 1848, including the Scientific Revolution, the American Revolution, and the French Revolution. In the fifth unit, they will explore the causes and effects of the Industrial Revolution, the spread of nationalism in Europe, and the Russian Revolution. In semester B, the student will explore major historical events around the world. In the first unit, they will analyze imperialism in the late nineteenth and early twentieth centuries and examine the causes and consequences of World War I. In the second unit, they will study World War II, analyzing the factors that started the war and the impact of the war. In the third unit, they will explore the rise and fall of communism in the Soviet Union and China and learn about the Cold War between the United States and the Soviet Union. In the fourth unit,they will analyze the effects of decolonization in Southeast Asia and Africa. They will also study the modernization of China and the rise of nationalism in the Middle East. In the last unit, they will explore economic globalization and evaluate the benefits and challenges of living in the modern world.

U.S. History: This is a two-semester course that studies the events, people, and culture of the United States over time. In semester A, the student will learn about the process of historical inquiry, review the events and principles behind the founding of the United States, and then apply historical inquiry to analyze societal issues, trends, and events from the Civil War through the Great Depression. They will explore timelines to gain an understanding of how events link to each other, and they will analyze historical documents for a firsthand sense of how events unfolded. They will also gather evidence from relevant documents and historical texts in order to develop credible explanations of events in US history. They will then use that evidence to evaluate change and continuity over time by writing essays and creating presentations about broad periods of historical development. In semester B, the student will apply historical inquiry to analyze societal issues, trends, and events of US history from World War II to the present, including the Cold War, Civil Rights and other social movements, the Vietnam War, modern presidencies, and responses to global terrorism.

U.S. Government: This course is the study of the founding principles of democracy in the United States, the structures and details of how the government functions, and the role of the individual citizen in participating in that democracy. In US Government, the student will learn about the principles and events that led to the founding of the United States in the eighteenth century; examine how the operations of the US government are spread among three branches of government and distributed between the national, state, and federal levels of government; explore the role of the individual citizen in the operations of the government; and, finally, apply these concepts to understanding the concrete areas of foreign, domestic, and economic policy. They will explore timelines to gain an understanding of how events link to each other and to the structures of government that exist today, and they will analyze historical documents for a firsthand sense of how government structures were designed. They will also gather evidence from relevant documents and historical texts to develop credible explanations of how and why the government exists as it does.

Civics: This is a two-semester course that teaches the student how to actively participate in governance and how they can help improve the quality of governance at all levels.
A citizen is a person who is legally recognized by a state and entitled to the state's rights and privileges. Civics is the study of the rights and duties of such a person. One of the best ways to understand your rights and duties as a citizen is to study the government that defines and upholds them. Semester A has the student learning about politics and government, and they will analyze democracy which is the system of government used in the United States. Finally, they will examine the legislative, executive, and judicial branches of the U.S. Government. IN semester B the student will learn how Americans are linked to the government and each other through the media and a number of political parties. The student will also take a detailed look at civic responsibility and what it means to be a contributing member of society. Finally, the student will study how and why the U.S. creates certain goods and services and they will see how political and economic decisions made at home can affect foreign policy abroad.

African American Studies: Throughout U.S. history, African Americans have faced great adversity in the form of enslavement and institutional racism. They fought for their freedom and worked to right a broken system, but their struggle continues today. This course studies the treatment of enslaved Africans as they were brought to America, the prejudices African Americans have experienced, and their important role in the social, political, and economic development of the United States.

Contemporary World: This is a two-semester course designed to strengthen the students' knowledge about the modern world. Semester A first unit, the student will explore how geography can help them gain a better understanding of the world and its people. In the second unit, they will learn about the influence of culture on the world. In the third unit, they will discover the relationship between art and society and study migration and population distribution. In the last unit, they will learn about the effect of physical processes on the environment and look at the ways people have adapted to and modified physical environments. Semester B first unit, the student will study the role of government and the responsibilities of citizens in contemporary societies. In the second unit, they will learn about democracy in the United States, and they will look at the structure of the Constitution. In the third unit, they will explore the functions of the US legal system as well as understand the rights and responsibilities of US citizens. Toward the end of this course, they will learn about the factors affecting the development of global trade and examine the structure and function of the US economy

Native American Studies: Historical Perspectives: The cultural differences between the Native Americans and Europeans, as well as their desire to occupy the same land, often led to conflict. Tensions increased over time as Europeans moved westward to establish settlements. The US government imposed a number of controversial policies on Native Americans, including assimilation, forced removal, and military intervention. This course examines the persecution of Native Americans and their fight for civil rights and recognition throughout US history.

Native American Studies: Contemporary Perspectives: **9535**
This course examines the social, economic, religious, and political issues that Native Americans face in today's world. It looks at a number of Native American professionals and their efforts to eradicate the negative stereotypes that still surround Native American cultures. The course also sheds light on the important contributions that Native Americans have made to art and spirituality. Demonstrates how both Native American traditions and the fight for Native American civil rights has shaped the history and social fabric of the United States.

Social Issues: Social issues affect everyone-they are issues which revolve around government policy and enforcement of laws on the civilian population. These laws and policies can have any number of significant outcomes. They can protect minorities and women from discrimination, regulate drug use, give aid to the poor, provide guidelines for education, and much more. Social issues are often controversial and debated, so having the ability to form an educated opinion on them is an important part of citizenship.

World Geography: This is a two-semester course studying where things are in the world. It is important to know why people settled where they did: sometimes this is for weather-related reasons, and sometimes it's because of bountiful natural resources nearby. In this course, the student will learn about these special features which drive economic development and form the locales where people settle.

Charter Political Science Courses*-Mr. Zirngibl*

Introduction to Criminology:

This one-semester course is intended as a guide to the field and theories of criminology. It's structured into lessons and Course Activities as follows: • The first lesson discusses criminology as a field of study. • The next two lessons discuss theories, which suggest that people engage in crime to satisfy self-interests and individual traits influence criminal behavior. • The next lesson discusses the theory that motivated offenders are most likely to commit crimes when they are influenced by routine activities of potential victims. • The next three lessons describe theories that suggest that people engage in crimes when social institutions fail to have a positive influence on them, they are labeled as criminals, and they associate with peers with criminal backgrounds. • The next lesson familiarizes you with the theory that people engage in or refrain from criminal activities based on how they respond to certain events (turning points) in their lives. • The next three lessons describe theories that influence political and social powers, inability to achieve societal goals, and breakdown of social order contribute to criminal behavior. • The next two lessons discuss theories that crimes and criminal behavior can be reduced by advocating peace and justice, reducing physical opportunities, and increasing the risks of being caught. • The last lesson familiarizes you with the theory that focuses on preventing the escalation of serious crimes in a community.

Principles of Law, Public Safety, Corrections, and Security, Semester A:

This one-semester course is intended as a practical, hands-on guide to help you understand the functioning of law enforcement agencies, courts, the correctional system, and security and emergency agencies. This course has 15 lessons organized into four units, plus four Unit Activities. Each lesson contains one or more Lesson Activities.

Principles of Law, Public Safety, Corrections, and Security, Semester B:

This one-semester course is intended as a practical, hands-on guide to help you understand the personal, professional, and technological skills required by professionals working in the field of law, public safety, corrections, and security. This course has 12 lessons organized into three units, plus three Unit Activities. Each lesson contains one or more Lesson Activities.

Charter Foreign Language Courses*-Ms. Hanson*
(ITV or Online/Blended Independent Study)*

Learning a language is a multi-faceted experience in which the student is introduced to a whole new set of words and ways of expressing themself, along with new cultures formed by people who have been speaking that language for centuries.

French ***German*** ***American Sign Language***
Spanish ***Swahili***

*Other languages may be available by request, talk with the Director.

Charter Fine Arts Course*-Mr. BeBeau and Mr. Tashner*

Art History and Appreciation: Art has played a significant role in every major civilization throughout the history of man. The emergence of different art forms often reflects the values that a civilization deems important: religion, labor, love, political change, or even commerce. Since artwork and cultural values are so closely related, studying art is a compelling way to learn about the people who produced it.

Art in World Cultures: The student will learn about some of the greatest artists while also creating art of their own, including digital art. We will explore the basic principles and elements of art, learn how to critique art, and examine some of the traditional art of the Americas, Africa, and Oceania in addition to the development of Western art.

Animation: This two semester course has the student create their own cartoon and more by immersing themself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade.

Music Appreciation: This one-semester elective course is intended as a practical, hands-on guide to introduce you to the field of music appreciation. You'll first identify elements and patterns in music and learn to identify various elements of musical notation. Next, you'll explore the history and evolution of music from the Middle Ages through to the modern era. Then, you'll learn about the influence of music on society and culture. Finally, in the last few lessons you'll learn of the various compositional and expressive devices and how to evaluate a concert.

Charter Physical Education & Health Courses*-Mr. Wolford*

****Physical Education:*** This course covers instruction in exercise and physical activity. It teaches the student how to maintain their personal fitness, how to measure different aspects of physical fitness, and how to avoid injury while exercising. It's all about getting active and setting their body in motion. By measuring health and fitness with objective data, it is possible to improve one's health in a methodical way.

****Health:*** Everyone needs to take care of their body, but we aren't necessarily born with the knowledge of how to go about it. It's important to invest time and energy into understanding what it means to be healthy. There are many activities you can engage in which are dangerous for your long-term health, so you need to know how to identify and avoid these activities. It's also important to identify lifestyles which will lead to a longer, more enjoyable life. This course will guide you through lifestyle choices you will make which will ultimately impact your life in meaningful ways.

Charter Career & Technical Education Courses
Mr. Eichman, Ms. Hanson, Mr. Mitchell

****Consumer Mathematics:*** This one semester course is designed to teach the student about real-life financial situations that require everyday math skills. As a consumer, they will be earning, spending, and saving money. This course will help them make educated and responsible decisions regarding their finances. In this course, they will learn practical applications of math. They will learn how to plan a budget, manage bank accounts, and figure the cost of a good or service. They will also learn about taxes, payroll deductions, and how to invest and borrow money. This course will help them make informed decisions about buying or renting a home or car and teach them how to protect their purchases and investments with insurance. Finally, they will study economics, or the science of the creation, distribution, and consumption of goods and services. They will see how economics affects them as an individual and how it affects the country as a whole.

****Personal Finance:*** This course is intended to help the student familiarize themself with the basic and essential concepts of personal finance. This course covers the fundamentals of personal finance, role of consumers in the economic system of the United States, financial planning in personal life, ways to manage finances, and different investment strategies. It also covers various career options available in the field of personal finance.

Financial Mathematics (prerequisites Personal Finance or Consumer Ed and Algebra 1): This two-semester course is designed to introduce the student to the basics of financial algebra. This course includes lessons that focus on planning for expenses and developing financial goals. The student will learn to use algebraic expressions that model growth that is due to interest. They will also describe investments in terms of their cost, risks, and returns. The second semester the student will see how businesses achieve profits through

proper financial planning. They will examine the benefits and consequences of using credit cards and taking out loans. The student will also describe the procedures for filing taxes and identify taxes levied on various investments.

Economics: Economics is a social science that examines how goods and services are created, consumed, and exchanged. This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

Computing for College and Careers: This two-semester course is intended as a practical, hands-on guide to help the student understand some of the advanced computer skills required during their college education or when pursuing a career. Semester A covers basic computer hardware and software and productivity applications such as word processing software, spreadsheet software, and presentation software. This course also covers the Internet and emerging technologies. Semester B covers advanced concepts, such as computer networks, complex operations in spreadsheet and database programs, and the process of creating a website.

Advanced Computer Science: This course will have the student describing the basic concepts of computer programming. The student will compile and run a simple Java program. Students will use arithmetic, relational, and logical operators. Students will implement algorithms, and use different types of loop and decision-making statements. Students will create and use classes. You will create and manipulate one-dimensional and two-dimensional arrays. Students will perform sequential search, binary search, selection sort, and insertion sort on an array. Students will explain and implement object-oriented programming design. Students will implement inheritance, polymorphism, and abstraction. Further, students will describe privacy and legality in the context of computing.

Business English: Business English is a two-semester course designed to strengthen the students ability to read and write in the workplace. Semester A first unit introduces the business writing process. In the second unit, they will learn about writing emails and instant messages, as well as examine the role that digital media plays in business. The third unit covers how to format and write specific types of business messages. Semester B first unit, the student will learn about different kinds of workplace documents they may need to read or write on the job. The second unit introduces them to the design and visual components of workplace documents, along with strategies for giving business presentations. The third unit focuses on the role that professional and interpersonal skills play in the workplace. In the fourth unit, the student will learn strategies that will help them find and apply for jobs.

Child Development: Students planning to work with children, as a parent or in a career, should seriously consider this course. Development of the child is considered from conception through early school age: intellectually, physically, socially, and emotionally. The student will adhere to child abuse and neglect mandates, apply Sudden Infant Death Syndrome (SIDS) risk reduction strategies, and apply strategies to prevent the occurrence of Shaken Baby Syndrome (SBS). The students will get real life experience with an infant simulator. Students will leave

with industry recognized certifications in Infant/Child FA/CPR/AED, SBS, and SIDS. *This course is a prerequisite to the Child Care Services Co-op Skills Certifications. *4302*

Assistant Child Care Teacher ACCT Skills Certificate Program

The intent of the Wisconsin Assistant Child Care Teacher (ACCT) Certificate Program is to recognize a student's mastery of employability skills valued by employers, to help students explore their career interests, and to provide a state credential of student mastery. Student completes the classroom coursework and 10 hours of volunteer experience in a licensed child care facility. 4207

Infant & Toddler Development Skills Certificate Program

Student completes classroom coursework and 10 hours of on-the-job experience or observation with children ages birth to three in a child care setting (minimum of 5 hours must involve children ages birth to 1). Apply appropriate practice related to the social-emotional development of children ages birth to 3: apply appropriate practice related to the physical development, brain development, communicate effectively with parents and other staff members, adhere to licensing guidelines related to sanitation, health, and safety. This is in addition to the ACCT 10 hours of observation in a regulated child care setting. This course coincides with ACCT and Work Experience must be taken at the same time. 4307

Wisconsin Cooperative Education Skill Standards Certificate Program for Child Services Co-op and Child Care Teacher Program (CCT)

The Child Services Co-op is a skill certificate program for seniors who are 17 years of age and who have satisfactorily completed the Assistant Child Care Teacher (ACCT) course. The competency areas covered include personal/interpersonal, thinking/information processing, systems/technology, introduction to child care services, the center environment, children professional development, food and nutrition, health and safety, and special needs of children. Core employability skills are also measured. Students who satisfactorily complete the program and graduate from high school also qualify to receive the second-level Wisconsin Department of Children and Families(DCF) employment designation as a Child Care Teacher. Students complete 480 hours of on-the-job experience in a licensed child care facility. Thus, this course must be taken in conjunction with Work Experience to complete these hours. 4208

Clothing & Sewing: The Clothing and Sewing courses are designed to help students learn about apparel, fashion, and sewing construction from basic to more advanced techniques. Topics include: purchasing, navigating the fabric store, care of clothing, sewing construction, accessories, and career opportunities in the fashion business and job opportunities in fashion merchandising.

Food & Nutrition: The Food and Nutrition course is designed to help students learn about food and nutrition. They will learn how to develop scientific and inquiry skills as they become nutritionally literate with food management and preparation. Topics include: social/cultural aspects, nutrition and health, safety and sanitation, food science and math, consumer skills, food preparation skills, meal management, food lab equipment, and career opportunities in food and nutrition.

Introduction to Military Careers : Introduction to Military Careers is a single semester course that describes the different careers offered by the US military and its branches. This course begins by describing the US military, including its branches, history, and organizational structure. In this course, you will also learn about the different occupations offered by the military branches and the qualifications required for them. This course also covers enlistment requirements, training, pay systems, and benefits of joining the US military. You will also learn about the importance of personal traits, habits, and good health for a successful career in the military.

Concepts of Engineering and Technology: Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you'll need to succeed in these fields. You'll explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field.

Principles of Engineering and Technology, Semester A: This one-semester course is intended to help you familiarize yourself with engineering systems and technologies. This course will cover the evolution of engineering and technology, careers in engineering, and engineering systems and technologies. The Unit Activities and the Lesson Activities are the major components of this course. There are other assessment components.

Principles of Engineering and Technology, Semester B: This one-semester course is intended to help you familiarize yourself with the process of engineering design and examine manufacturing technologies and processes. This course will cover the concepts in engineering design, manufacturing processes and materials, communication skills, and team and resource management.