



# Course Catalog

**2022-2023**



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# CAREER AND TECHNICAL EDUCATION

## Business and Information Technology

BUSINESS AND INFORMATION TECHNOLOGY COURSES		
<p><b><u>Personal Finance</u></b> Grade 11 ½ credit</p>	810910Q	<p><b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> Students will develop the skills needed to plan and make sound financial decisions both now and in the future. Topics include money management, banking, budgeting, payroll, taxes, and more. Financial security includes options, products, and planning for savings, investing, and retirement. The credit unit covers types, risks, and advantages of credit use; credit scores; credit bureaus; how credit impacts your life; credit management; credit counseling; and bankruptcy. Major purchases include financing versus leasing vehicles and choosing and funding apartments, condos, or homes. Risk management covers types of risks and ways to reduce risk, including insurance concepts and products for vehicles, renters, homeowners, life, health, and disability. Additional topics include various economic concepts and careers. <b><i>Note:</i></b> This course meets the Kenosha Unified School District requirement for consumer education credit and meets Wisconsin Financial Literacy Standards.</p>
<p><b><u>Computer Applications</u></b> Grades 10-12 ½ credit Elective</p>	820310Q	<p><b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> This course teaches students to use Microsoft Office Suite programs to communicate and problem solve in our information-intensive society. Students will learn and apply Microsoft software applications, including Word (word processing), Excel (spreadsheets), and PowerPoint (presentation software) to compose, organize, create, and communicate information. Students will integrate these programs with email and internet to prepare documents and complete projects.</p>
<p><b><u>Employability Skills</u></b> Grades 10-12 ½ credit Elective</p>	818410Q	<p><b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> Students will learn about employability skills (e.g., job search, resume, application letter, interview skills, etc.) soft skills, business practices, and how to conduct themselves in a professional and ethical manner.</p>
<p><b><u>Introduction to Business</u></b> Grades 10-12 ½ credit Elective</p>	812710Q	<p><b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> This is an introductory business course designed to provide students with the skills needed to effectively live in our world. Students are introduced to leadership, computer applications, starting a business, accounting, desktop publishing, marketing, web page design, international business, business and personal law, personal finance, and career exploration.</p>
<p><b><u>Starting a Business</u></b> Grades 11-12 ½ credit Elective</p>	811210Q	<p><b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> In this business course, students will learn about different business models, their objectives, and ethical and social responsibilities related to employees, customers, and managing business risks. Students will learn business principles and skills required to operate a business.</p>
<p><b><u>Leadership</u></b> Grade 11 ½ credit Elective</p>	811610Q	<p><b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> This class is designed to teach students leadership skills that will be important to their future, regardless of career goals. The course teaches several of the basic skills identified as crucial for success in the future, including problem solving and creative thinking, self-esteem, goal setting and motivation, interpersonal skills and teamwork, situational leadership, and communication. The class emphasizes small group work and hands-on experiences.</p>

# FAMILY AND CONSUMER SCIENCE

FOOD AND PRODUCTION SERVICES COURSES		
<b><u>Culinary Basics</u></b> <i>Grades 9-12</i> ½ credit <i>Elective</i>	840310Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> Culinary Basics is a study of nutrition and food needs for all age groups. Students will study food, current health problems related to diet, and the social and cultural influence on food and resources. Preparation of food to meet dietary recommendations will be a part of this class.
<b><u>Culinary Skills</u></b> <i>Grades 10-12</i> ½ credit <i>Elective</i>	840410Q	<b><i>Prerequisites:</i></b> Culinary Basics (840310Q) <b><i>Description:</i></b> This course focuses on the principles of food preparation. Students will receive hands-on experience in the preparation of many foods, including entrees, sauces and soups, breads, fruits, vegetables, and desserts. They will also study food safety and sanitation, equipment, and recipe formats. This course will benefit students who are in the career field of food service.
<b><u>Global Cuisine</u></b> <i>Grades 10-12</i> ½ credit <i>Elective</i>	840450Q	<b><i>Prerequisites:</i></b> Culinary Basics (840310Q) <b><i>Description:</i></b> Discover the unique flavors and tastes from around the world. In Global Cuisine you will explore the traditional foods and flavors of Asia, Mediterranean countries, Italy, Mexico, and the U.S. You will be able to identify the different cooking methods, equipment, ingredients, and influences from cultures across the globe. Expand your knowledge base, and take home some great new recipes to add to your collection.
<b><u>Career Foods/ Hospitality</u></b> <i>Grades 11-12</i> ½ credit <i>Elective</i>	840510Q	<b><i>Prerequisites:</i></b> Culinary Skills (840410Q) <b><i>Description:</i></b> The food service industry is the third largest employer nationwide. This course is directed at the numerous opportunities that exist in the food service industry. This course builds on the information and skills learned in Culinary Basics and Culinary Skills. It focuses on the kinds of opportunities available in food service and helps students develop job skills necessary for the growing industry. Preparation of food for a variety of services and restaurant simulations will be part of the course.
CLOTHING/TEXTILE COURSES		
<b><u>Clothing, Textile, and Apparel</u></b> <i>Grades 10-12</i> ½ credit <i>Elective</i>	840110Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> Students will have an opportunity to improve their basic sewing skills and knowledge of clothing construction, including use of a pattern. Sewing machines are to complete individual clothing projects.
<b><u>Advanced Clothing, Textile, and Apparel</u></b> <i>Grades 11-12</i> ½ credit <i>Elective</i>	840210Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> The focus of this course is the world of fashion with an exploration of career options in the clothing industry. Students will further develop their sewing skills by constructing advanced projects, including use of patterns and supplies purchased from a store. Students must provide supplies necessary to complete individual sewing projects.
EARLY CHILDHOOD EDUCATION COURSES		
<b><u>Life Skills and Relationships</u></b> <i>Grades 10-12</i> ½ credit <i>Elective</i>	840750Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> The students in this course will examine topics, including communication skills; leadership; teamwork; collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on career, family, and community relationships. This course is excellent for any student pursuing a career in the Human Service Career Pathway.

<b>Child Development 1</b> <i>Grades 11-12</i> ½ credit <i>Elective</i>	841210Q	<b>Prerequisites:</b> None <b>Description:</b> This course is designed to help the student understand the developing child. Students will explore the effect of heredity and environment on the developing child. The physical, social, emotional, and intellectual well-being of children and their various growth and development patterns will also be studied. Students interested in a career involving children will find this course useful.
<b>Child Development 2</b> <i>Grades 11-12</i> ½ credit <i>Elective</i>	841510Q	<b>Prerequisites:</b> Child Development 1 (841210Q) <b>Description:</b> This course will examine the topics of health, safety, and nutrition within the context of the early childhood educational setting. Course competencies include strategies that support diversity; planning a healthy early childhood environment; planning nutritionally sound meals; examining childhood abuse and neglect issues and mandates describing Sudden Infant Death Syndrome; describing Shaken Baby Syndrome; and incorporating health, safety, and nutrition concepts into the children's curriculum.
<b>Early Childhood Education</b> <i>Grades 11-12</i> ½ credit <i>Elective</i>	841310Q	<b>Prerequisites:</b> Child Development 2 (841510Q) <b>Description:</b> This course will prepare students to work as teacher caregivers in early childhood settings. It combines hands-on work with related academic work. Students will learn how to create a safe and healthy play environment, guide behavior, plan and implement learning activities, and work cooperatively with staff and parents.
<b>HEALTH SERVICES COURSES</b>		
<b>*Exploring Health Occupations</b> <i>Grades 10-12</i> ½ credit <i>Elective</i>	850110Q	<b>Prerequisites:</b> None ( <i>*Either course is a prerequisite for CNA</i> ) <b>Description:</b> Students will learn about career opportunities in the healthcare field. Education requirements for job entry, opportunities for advancement, and career maintenance will also be explored. Exposure to the healthcare field will be provided through audio-visual materials, guest speakers, and research.
<b>*Introduction to Medical Terminology</b> <i>Grades 10-12</i> ½ credit <i>Elective</i>	850210Q	<b>Prerequisites:</b> None ( <i>*Either course is a prerequisite for CNA</i> ) <b>Description:</b> This course is available for grades 10, 11, and 12 and provides students with a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to diagnostic tests and procedures, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care. Those students interested in taking Anatomy and Physiology or who are considering a career in the health field will find this course useful.
<b>INTERIOR DESIGN COURSES</b>		
<b>Interior Design 1</b> <i>Grades 10-12</i> ½ credit <i>Elective</i>	840910Q	<b>Prerequisites:</b> None <b>Description:</b> This course will provide the beginning college student with the fundamentals of interior design. Students will explore the elements and principles of art and design as they are applied to interior environments. The learner will also gain knowledge of basic concepts in the design process, human ecology, space planning, selecting finishes and furnishings, and design communication techniques.
<b>Interior Design 2</b> <i>Grades 11-12</i> ½ credit <i>Elective</i>	841010Q	<b>Prerequisites:</b> Interior Design 1 (840910Q) <b>Description:</b> This course is a continuation of Interior Design 1. Students will further their study of interior design with advanced projects. They will also explore the many career opportunities in the housing industry. The course provides a study of architecture and construction basics. Other topics include furniture design; window, wall, and floor treatments; and room design. Those students interested in a career in interior design will find this course useful.

# FINE ARTS

## ART COURSES

<b><u>Fundamentals of Art and Design</u></b> Grade 9-12 ½ credit Elective	511111Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> This course offers an exploration of the elements and principles of design by relating historical and contemporary art to structurally designed hands-on projects through experiences in 2D and 3D media. Key ideas and concepts using a variety of techniques and processes will be addressed with attention given to composition and aesthetics.
<b><u>2-D Foundations</u></b> Grades 10-12 ½ credit Elective	512111Q	<b><i>Prerequisites:</i></b> Fundamentals of Art and Design (511111Q) <b><i>Description:</i></b> This course will offer students an opportunity to use a variety of media through the study and exploration of contemporary and historical art and practices by building aesthetic judgment and developing personal vision. Abstract and representational topics will be explored through diverse processes within a variety of subject matter.
<b><u>Advanced 2-D Design</u></b> Grades 11-12 ½ credit Elective	512211Q	<b><i>Prerequisites:</i></b> 2-D Foundations (512111Q) <b><i>Description:</i></b> This course offers students the opportunity to expand upon the basic techniques developed in 2-D Foundations by enhancing their skills through the production of more sophisticated forms. All areas of study will incorporate the elements and principles of design as well as the historical origins and contemporary practices.
<b><u>3-D Foundations</u></b> Grades 10-12 ½ credit Elective	531111Q	<b><i>Prerequisites:</i></b> Fundamentals of Art and Design (511111Q) <b><i>Description:</i></b> This course challenges students to create in three dimensions by emphasizing the historical origins, modern practices, and aesthetics of sculpture using a variety of media techniques and processes. Students will apply the elements and principles of design within their exploration of 3-D forms while using traditional and contemporary materials.
<b><u>Advanced 3-D Design</u></b> Grades 11-12 ½ credit Elective	531211Q	<b><i>Prerequisites:</i></b> 3-D Foundations (531111Q) <b><i>Description:</i></b> This course offers students the opportunity to expand upon the basic techniques developed in 3-D Foundations by enhancing their skills through the production of more complex forms. All areas of study will incorporate the elements and principles of design as well as the historical origins and contemporary practices.
<b><u>Photography and Media Arts</u></b> Grades 10-12 ½ credit Elective	541111Q	<b><i>Prerequisites:</i></b> Fundamentals of Art and Design (511111Q) <b><i>Description:</i></b> This course offers an introduction to the fundamentals of photography, digital media, and computer graphics by creating visual images through the formulation of concept, composition, and execution.

## MUSIC COURSES

<b><u>Music: A Listener's Survey</u></b> Grade 9 ½ credit Elective	570810Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> Students will study many forms and styles of music by listening to a wide variety of musical compositions. Students should develop an understanding of the elements of music; knowledge of the vocabulary of music; the ability to evaluate music and musical performances qualitatively; knowledge of representative master works of various types; an understanding of the origin, evolution, and cultural significance of twentieth century music; and receptivity to music of different types, styles, and mediums.
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<p><b><u>Concert Choir</u></b>  <i>Grades 10-12</i>  ½ credit <i>Elective</i></p>	560311Q	<p><b><i>Prerequisites:</i></b> None  <b><i>Description:</i></b> Members of this choir will deal with four-part (SATB) literature. Performance responsibilities include participation at all concerts, rehearsals, and sectionals; a positive attitude toward development of talents and skills; and responsible preparation of the music. Time outside the normal school day may be required. This course may be taken multiple times.</p>
<p><b><u>Intro to Digital Composition</u></b>  <i>Grade 10-12</i>  ½ credit <i>Elective</i></p>	571210Q	<p><b><i>Prerequisites:</i></b> None  <b><i>Description:</i></b> The composition section of the course will explore four key elements of music: melody, harmony, form, and style. This will be accomplished by using modern production software, which is a key element in the music industry. This portion of the course will allow the students to take samples of music and arrange them in a way to express their creative side.</p>
<p><b><u>Digital Composition</u></b>  <i>Grade 10-12</i>  ½ credit <i>Elective</i></p>	571311Q	<p><b><i>Prerequisites:</i></b> Intro to Digital Composition (571210Q)  <b><i>Description:</i></b> The intermediate composition section of the course deepens the understanding of the four key elements of music: melody, harmony, form, and style. This will be accomplished by using modern production software, which is a key element in the music industry. This portion of the course will allow the students to create and arrange their own original music.</p>
<p><b><u>Intro to Guitar Studies</u></b>  <i>Grades 10-12</i>  ½ credit <i>Elective</i></p>	571610Q	<p><b><i>Prerequisites:</i></b> None  <b><i>Description:</i></b> This course is designed for the beginning guitarist, to introduce the instrument and emphasize exercises concerning note reading, value, and placement on the guitar. Course objectives will include basic melody and chord playing in both solo and ensemble performance.</p>
<p><b><u>Guitar 1</u></b>  <i>Grades 10-12</i>  1 credit <i>Elective</i></p>	571711Q 571712Q	<p><b><i>Prerequisites:</i></b> Intro to Guitar Studies (571610Q)  <b><i>Description:</i></b> For the intermediate guitarist, this course will emphasize exercises concerning major and minor scales, common chord progressions, and improvisational techniques. Students may repeat this course.</p>
<p><b><u>Guitar 2</u></b>  <i>Grades 11-12</i>  1 credit <i>Elective</i></p>	571811Q 571812Q	<p><b><i>Prerequisites:</i></b> Guitar Studies 1 (571711Q and 571712Q)  <b><i>Description:</i></b> This advanced level course will continue to develop skills around major and minor scales, more difficult chord progressions, and further improvisational techniques. This course will also further develop the students' capacity to play to an authentic audience.</p>
<p><b><u>Guitar 3</u></b>  <i>Grades 11-12</i>  1 credit <i>Elective</i></p>	572211Q 572212Q	<p><b><i>Prerequisites:</i></b> Guitar Studies 2 (571811Q and 571812Q)  <b><i>Description:</i></b> This advanced level course will continue to develop skills around major and minor scales, more difficult chord progressions, and further improvisational techniques. This course will also further develop the students' capacity to play to an authentic audience.</p>
<p><b><u>Guitar 4</u></b>  <i>Grades 11-12</i>  1 credit <i>Elective</i></p>	572311Q 572312Q	<p><b><i>Prerequisites:</i></b> Guitar Studies 3 (572211Q and 572212Q)  <b><i>Description:</i></b> This advanced level course will continue to develop skills around major and minor scales, more difficult chord progressions, and further improvisational techniques. This course will also further develop the students' capacity to play to an authentic audience.</p>

# HEALTH & PHYSICAL EDUCATION

## REGISTRATION GUIDELINES

Continuing from the 2011-12 school year, 1.5 credits of physical education must be earned in 3 separate school years per Wisconsin Department of Public Instruction High School Graduation Standards (PI 18.03 Wisconsin Administrative Code) and Wisconsin Education Instruction Physical Education Standards S121.02. Physical education and one-half credit of health may be taken in the same year. Additional physical education classes can be taken during one year for elective credit only.

Students shall be granted an exemption from physical education for medical reasons upon presentation of a physician's statement. Students shall be required to make up all exempt physical education credits by taking the same number of credits in another elective subject(s).

COURSES		
<b><u>Health Education</u></b> Grade 10 ½ credit	620110Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> Health is a graduation requirement. This course deals with the critical health needs and problems of today. The course is based on scientific information that has as its purpose the development of knowledge and the cultivation of desirable attitudes, habits, and practices. Topics include cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), first aid, nutrition, tobacco, alcohol, other drugs, diseases, human growth and development, family life curriculum, mental health, and environmental health issues.
<b><u>Physical Education Foundations</u></b> Grade 9 ½ credit	611010Q	<b><i>Prerequisites:</i></b> None <b><i>Description:</i></b> Physical Education Foundations will introduce fitness to students through many different activities, including team sports, individual sports, and organized fitness activities. Implementation of the SPARK curriculum for high school will come from Physical Education Foundations. This course must be successfully completed before entering any of the other offered physical education courses.
<b><u>Lifetime Fitness</u></b> Grades 10 ½ credit	610210Q	<b><i>Prerequisites:</i></b> Physical Education Foundations (611010Q) <b><i>Description:</i></b> Lifetime Fitness class will teach students fitness and the importance of fitness through team sports and team building. Students will have the opportunity to cooperatively learn the importance of staying fit and the healthy aspects of lifetime sports. SPARK curriculum will continue with emphasis on team lessons.
<b><u>Active Lifestyles</u></b> Grades 11-12 ½ credit	613010Q	<b><i>Prerequisite:</i></b> Physical Education Foundations (611010Q) <b><i>Description:</i></b> Active Lifestyles class emphasizes the importance of staying fit and healthy individually. Students will be able to learn different ways to take responsibility for their fitness and health through individual lifetime sports and individual fitness opportunities. SPARK curriculum will continue with emphasis on individual fitness building lessons.
<b><u>Personal Fitness</u></b> Grades 11-12 ½ credit Elective	614010Q	<b><i>Prerequisites:</i></b> Physical Education Foundations (611010Q) <b><i>Description:</i></b> Personal Fitness class is primarily held in the school's fitness center/weight room. The class will introduce and incorporate a fitness plan for students to follow and transition into each student developing and implementing his/ her own personalized fitness plan. Where appropriate, SPARK curriculum will be incorporated into lessons.



# ENGLISH/LANGUAGE ARTS

## REGISTRATION GUIDELINES

All courses are on credit unless specified otherwise. Four credits of English are required for graduation.

GRADE	COURSES	GRADE	COURSES
9	Survey of Literature	10	World Literature/Composition
11	American Literature/Composition	12	Diverse Perspectives in Literature and Composition

COURSES		
<p><b><u>Survey of Literature/Composition</u></b> Grade 9 1 credit</p>	<p>121011Q 121012Q</p>	<p><b>Prerequisites:</b> None <b>Description:</b> Survey of Literature/Composition builds on the knowledge acquired in middle school and sets a foundation for the students' literature and writing skills used in high school. This literature-based course draws from a variety of genres. Students gain an understanding of the writing process, including prewriting, drafting, and revision for persuasive and expository writing. Skills in the areas of reading, writing, study strategies, listening, speaking, and research will be developed.</p>
<p><b><u>World Literature/Composition</u></b> Grade 10 1 credit</p>	<p>122011Q 122012Q</p>	<p><b>Prerequisites:</b> None <b>Description:</b> World Literature/Composition is a literature-based composition course that will improve reading, writing, listening, viewing, and speaking skills. The primary focus will be world literature from ancient writings—both fiction and nonfiction—and current writings from non- American cultures. Students will develop reading strategies to interpret, analyze, and evaluate a variety of texts.</p>
<p><b><u>American Literature/Composition</u></b> Grade 11 1 credit</p>	<p>123011Q 123012Q</p>	<p><b>Prerequisites:</b> None <b>Description:</b> American Literature/Composition is a literature-based composition course that will improve reading, writing, listening, viewing, and speaking skills. The primary focus will be American literature from pre-Columbian American through the twenty-first century. Elements of composition will concentrate on the writing process, including expository and persuasive styles. Students will develop reading strategies to interpret, analyze, and evaluate a variety of texts.</p>
<p><b><u>Diverse Perspectives in Literature and Composition</u></b> Grade 12 1 credit</p>	<p>131011Q 131012Q</p>	<p><b>Prerequisites:</b> None <b>Description:</b> This course examines short stories, novels, and plays. Students analyze common themes in a range of literature. Students will also develop several compositions in a variety of modes and for a variety of purposes. The course focuses on the development of reading, writing, listening, and speaking skills and strategies.</p>
<p><b><u>Creative Writing</u></b> Grades 11-12 ½ credit Elective</p>	<p>142010Q</p>	<p><b>Prerequisites:</b> None <b>Description:</b> Creative Writing is an English elective course that focuses on the creation of fiction and poetry with an emphasis on studying mentor texts. Students will be expected to learn from master writers and analyze the work of others in order to improve their own writing. Students can expect to write many poems and at least one short story.</p>

# MATHEMATICS

## REGISTRATION GUIDELINES

All courses are one credit. Three credits of mathematics are required for graduation. A fourth credit is optional.

GRADE	STANDARD PATHWAY	GRADE	*ACCELERATED PATHWAY
9	Algebra 1	11	Geometry
10	Geometry	10	<b>Choose from:</b> <ul style="list-style-type: none"> <li>Math Applications</li> <li>Algebra 2</li> </ul>
11	<b>Choose from:</b> <ul style="list-style-type: none"> <li>Math Applications</li> <li>Algebra 2</li> </ul>	11	<b>Choose from:</b> <ul style="list-style-type: none"> <li>Algebra 2</li> <li>Precalculus</li> </ul>
12	<b>Choose from:</b> <ul style="list-style-type: none"> <li>Algebra 2</li> <li>Precalculus</li> </ul>	12	<b>Choose from:</b> <ul style="list-style-type: none"> <li>Precalculus</li> <li>Advanced Placement Calculus</li> </ul>

\*Students must have successfully completed Accelerated Eighth Grade Algebra 1 in order to enroll in Geometry as a freshman. Only 3 credits are required for Mathematics.

COURSES		
<b>Algebra 1</b> Grade 9 1 credit	312011(Q) 312012(Q)	<b>Prerequisites:</b> None <b>Description:</b> Algebra 1 formalizes and extends the mathematics that students learned in the middle grades. Students will deepen and extend their understanding of linear, quadratic, and exponential relationships to analyze, solve, and use these functions in modeling situations. The Standards for Mathematical Practice are applied throughout to provide students with a mathematical experience that makes use of their ability to make sense of problem situations.
<b>Geometry</b> Grade 9 -10 1 credit	321011(Q) 321012(Q)	<b>Prerequisites:</b> Algebra 1 [312011(Q) and 312012(Q)] <b>Description:</b> This course is a study of plane and solid geometry. It includes precise definitions, theorems, and postulates relating to plane and solid figures. Students explore complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice are applied throughout to provide students with a mathematical experience that makes use of their ability to make sense of problem situations.
<b>Math Applications</b> Grades 10-12 1 credit	330511Q 330512Q	<b>Prerequisites:</b> Geometry [321011(Q) and 321012(Q)] <b>Description:</b> Math Applications focuses on the practical skills needed in a wide variety of everyday situations. Students use direct, practical approaches that emphasize careful, complete explanations and applications. The use of calculators as a necessary tool allows students to solve real-world problems while focusing on the concept and reasonableness of the answer. <b>Note:</b> This course may not fulfill requirements for admission to a four-year state university.

<p><b>Algebra 2</b>  Grades 10-12  1 credit</p>	331011Q 331012Q	<p><b>Prerequisites:</b> Geometry [321011(Q) and 321012(Q)]  <b>Description:</b> Building on their work with linear, quadratic, and exponential functions in Algebra 1, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. This course also extends students' understanding of the trigonometric functions and includes a study of probability and statistics. The Standards for Mathematical practice are applied throughout to provide students with a mathematical experience that makes use of their ability to make sense of problem situations.</p>
<p><b>Pre Calculus</b>  Grades 11-12  1 credit</p>	351011Q 351012Q	<p><b>Prerequisites:</b> Algebra 2 (331011Q and 331012Q)  <b>Description:</b> Precalculus extends the mathematical concepts and skills studied in Algebra 2. In addition to an in-depth study of functions and their inverses, this course includes the study of complex number systems, vector quantities, matrices, and sequences and series. The Standards for Mathematical Practice are applied throughout to provide students with a mathematical experience that makes use of their ability to make sense of problem situations.</p>
<p><b>**Advanced Placement Calculus</b>  Grades 12  1 credit</p>	353031 353032	<p><b>Prerequisites:</b> : Precalculus (351011Q and 351012Q)  <b>Description:</b> This course is equivalent to a first semester college calculus course. It follows the College Board Advanced Placement Calculus course outline. It includes: 1. Functions, 2. Use of graphs, 3. Derivatives and their applications, 4. Differentials, 5. Limits, 6. Integrals and their applications, and 7. Differential equations.  <b>Note:</b> The course prepares students for second semester college courses. It is strongly recommended that students who successfully complete this class take the Advanced Placement Calculus examination in the spring, which could result in earning college credit.</p>

\*\*This course is taken at Harborside.

# SCIENCE

## REGISTRATION GUIDELINES

Each student is required to complete three credits in science for high school graduation. Please follow the guidelines below.

GRADE	COURSE	GRADE	COURSE
9	Biology	10	Matter & Energy
11	<b>Choose from:</b> <ul style="list-style-type: none"> <li>• Earth Science</li> <li>• Chemistry</li> <li>• Human Biology</li> </ul>		

### COURSES

<b>Biology</b> Grade 9 1 credit	421011Q 421012Q	<b>Prerequisites:</b> None <b>Description:</b> Biology is a required course for all Kenosha Unified School District grade 9 students. Students at choice and charter schools may take an equivalent course. In Biology students will develop understandings of key concepts related to the molecules of life, structures, and processes of organisms. They will use science and engineering practices to study the inheritance and variation of traits and develop explanations related to the unity and diversity of life. The interactions, energy, and dynamics of ecosystems and the role of humans in ecosystems will also be explored.
<b>Matter and Energy</b> Grade 10 1 credit	432911Q 432912Q	<b>Prerequisites:</b> Biology (421011Q and 421012Q) <b>Description:</b> In this course students will examine the relationships between energy and matter through investigation, experimentation, and application. Topics will include structure and properties of matter, force and motion, energy transformation, and science and engineering practices. This course is designed especially for students who need more experience with science concepts and core ideas before moving on to their third science courses. <b>Note:</b> Not open to students who have earned credit in Chemistry, Chemistry Honors, Conceptual Physics, or Advanced Placement Physics 1.
<b>Chemistry</b> Grade 11-12 1 credit	431011Q 431012Q	<b>Prerequisites:</b> Biology (421011Q and 421012Q) <b>Description:</b> In Chemistry, students will develop understandings of key concepts related to the structure of the atom, the periodic table, and chemical bonding. They will use science and engineering practices to study the states of matter, gas laws, acid and bases, and the energy of reactions. Students will be asked to apply their newly gained knowledge of chemical processes to their everyday lives and to Earth's systems.
<b>Earth Science</b> Grade 11-12 1 credit	453511Q 453512Q	<b>Prerequisites:</b> Biology (421011Q and 421012Q) and Matter and Energy (432911Q and 432912Q) <b>Description:</b> Students will develop understandings of several key concepts related to Earth's place in the universe and Earth's systems. The key concepts are broken into units and lessons that cover the universe and its stars, Earth and the solar system, the history of planet Earth, Earth materials, plate tectonics, the roles of water on surface processes, weather and climate, biogeology, natural resources, natural hazards, global change, and the interaction of humans with Earth's systems. Students will be expected to demonstrate proficiency in science and engineering practices, such as developing and using models, planning and carrying out investigations, analyzing and interpreting data,

		<p>and engaging in argument. Instruction also includes connections to other science content areas and students' lived experiences through the concepts of cause and effect, energy and matter, structure and function, stability and change, and systems.</p> <p><b>Note:</b> Not open to students who have earned credit in a chemistry course or a physics course.</p>
<p><b>Human Biology</b> Grade 11 1 credit</p>	<p>422011Q 422012Q</p>	<p><b>Prerequisites:</b> Biology (421011Q and 421012Q) and Chemistry (431011Q and 431012Q) <b>OR</b> Biology and Matter and Energy (432911Q and 432912Q)</p> <p><b>Description:</b> In this course students will focus on the cell, reproduction, development, and the body as the basis for the transfer of biological information from one generation to the next. The impact of genetics on our society will be studied.</p> <p><b>Note:</b> Not open to students who have earned credit in Human Anatomy and Physiology</p>

# SOCIAL STUDIES

## REGISTRATION GUIDELINES

The student graduation requirement for social studies is to successfully complete three credits. Required within the three credits are one credit U.S. History, one credit World History, one-half credit Government and Politics, and one-half credit Behavioral Science.

GRADE	COURSES	GRADE	COURSES
9	U.S. History	10	World History
11	Government and Politics <i>and</i> <b>Choose from:</b> <ul style="list-style-type: none"> <li>• Psychology</li> <li>• Sociology</li> </ul>		

### COURSES

<u><b>U.S. History</b></u> Grade 9 1 credit	220111Q 220112Q	<b>Prerequisites:</b> None <b>Description:</b> Students will survey the development of U.S. history as a country from Reconstruction through the present time. The highlights of the course are the studying of Reconstruction, Western Expansion, the Gilded Age, the Progressive Era, the Roaring '20s, and the Great Depression as well as surveying the world wars, Korean Conflict, and Vietnam. The turmoil of the 1960s will be studied as well as the remaining decades until the present time. This course contains panel discussions and seminars along with simulations. There is an outside reading requirement, and the writing skills of the students will be developed.
<u><b>World History</b></u> Grade 10 1 credit	230111Q 230112Q	<b>Prerequisites:</b> None <b>Description:</b> This course is a study of modern world history, including the foundation of world religions and beliefs, intellectual revolutions, violent revolutions, industrial revolution, nationalism/imperialism through the world wars, cold war, the quest of countries seeking independence, and changes in current global patterns.
<u><b>U.S. Government and Politics</b></u> Grades 11 ½ credit	240110Q	<b>Prerequisites:</b> None <b>Description:</b> This course is a survey of the U.S. Government structure, systems, and political processes focusing on constitutional structures and foundations. Content will include factors that influence the U.S. Government. This course prepares students to become responsible/aware members of American society.
<u><b>Psychology</b></u> Grades 11 ½ credit	260110Q	<b>Prerequisites:</b> None <b>Description:</b> This course introduces students to the scientific study of behavior and mental processes of humans and other animals. Topics that may be explored include research methods, biological basis of behavior, psychological disorders and their treatments, sensation and perception, states of consciousness, memory, thinking, language, learning, intelligence, motivation, emotion, personality, human development, and social psychology.
<u><b>Sociology</b></u> Grades 11 ½ credit	250110Q	<b>Prerequisites:</b> None <b>Description:</b> During this course of study, students will develop an understanding and be able to apply sociological concepts and perspectives concerning human groups that include attention to socialization, culture, organization, stratification, and societies. Consideration of fundamental concepts and research methodology will also be given.

<p><b><u>Ethnic Studies</u></b>  <i>Grades 11-12</i>  ½ credit <i>Elective</i></p>	<p>250510Q</p>	<p><b><i>Prerequisites:</i></b> None  <b><i>Description:</i></b> This course is offered to students interested in studying American ethnic history and contemporary social issues about Native Americans, African Americans, Hispanic Americans, Asian Americans, and Muslim and Arab Americans. The role of gender will be considered in the study of these groups. Students will become familiar with the background, culture, contributions, and achievements of these groups. Students will investigate the prejudice, discrimination, and oppression that each group has endured and efforts to address this treatment. Students will discuss and debate current topics, including, but not limited to, ethnic stereotypes, affirmative action, immigration, racial profiling, hate crimes, and sexism. Students will gain a new perspective of themselves and others and discuss issues that are relevant to the ever-changing world today.</p>
<p><b><u>Global Studies</u></b>  <i>Grades 11-12</i>  ½ credit <i>Elective</i></p>	<p>280410Q</p>	<p><b><i>Prerequisites:</i></b> None  <b><i>Description:</i></b> This course will give students a greater understanding of those who live as our neighbors near and far. There will be an emphasis on human and physical geography to the extent that students will have a greater understanding of people, places, and environments past and present. From a regional and topical approach, students will explore contemporary global issues and world events. Students will develop their skills in comprehending written materials, debating/defending a position, and analyzing and interpreting various forms of data (maps, charts, graphs, photos, etc.).</p>