Owatonna Public Schools

OWATONNA ONLINE

Course Registration Guide

Grades 9-12 | 2026-2027

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Credit Requirements for Graduation

OWATONNA

TOTAL CREDITS REQUIRED: 28

Subject	Credits	9th	10th	11th	12th
English	4.5	English 9	English 10	English 11	English 12 English Elective
Math	3	Inter. Algebra	Geometry	Alg. II	
Science	3	Earth Science	Biology	Chemistry or Physics	
Social Studies	4	Economics	World History	Early American History	Modern History Citizen/Gov
Art	1	Art	Art		
Phy Ed	.5	Phy Ed 9			
Health	.5		Health		
Electives	11.5		Personal Fiance		

FERTILE BELTRAMI

TOTAL CREDITS REQUIRED- 26

Subject	Credits	9th	10th	11th	12th
English	4	English 9	English 10	English 11	English 12
Math	3	Inter. Algebra	Geometry	Alg. II	
Science	3	Earth Science	Biology	Chemistry	
Social Studies	4	Civics Human Geography	US History	World History	Economics and Government
Art Can be taken anytime	1	Art	Art		
Phy Ed	.5	Phy Ed			
Health	.5		Health		
Electives Must include Personal Finance & FACS equivalent (taken anytime)	10	Keyboarding Apps/ Career Management	Career Plan/ Comp. App	Personal Finance	

KASSON MANTORVILLE

TOTAL CREDITS REQUIRED- 28

Subject	Credits	9th	10th	11th	12th
English	4	English 9	English 10	English 11	English 12
Math	3	Inter. Algebra	Geometry	Alg. II	
Science	3	Earth Science	Biology	Chemistry	
Social Studies	3.5	World History Early US History	Late US History	Human Geography	Economics Citizenship & Government
Art Can be taken anytime	1	Art	Art		
Phy Ed	1	Phy Ed	Lifetime Fitness		
Health	.5		Health		
Electives Must include Personal Finance & FACS equivalent (taken anytime)	12	Intro to Communications		Career Management	Personal Finance

MELROSE
CLASS OF 2028 & BEYOND

TOTAL CREDITS REQUIRED- 46

Subject	Credits	9th	10th	11th	12th
English	8	English 9	English 10	English 11	English 12 or English Elective
Math	6	Inter. Algebra	Geometry	Alg. II	
Science	6	Earth Science	Biology	Chemistry or Physics	
Social Studies	8	Early American History A & B	Modern History A & B	World History A & B	Economics Citizenship/ Government
Art Can be taken anytime	2		Art		
Phy Ed	2	Phy Ed 9			
Health	1		Health		
Electives Must include Personal Finance (class of '28 & beyond)	13		Personal Finance		

NORTHFIELD
TOTAL CREDITS REQUIRED- 23

Subject	Credits	9th	10th	11th	12th
English	4	English 9	English 10	English 11	English 12
Math	3	Inter. Algebra	Geometry	Alg. II	
Science	3	Earth Science	Biology	Chemistry	
Social Studies	3.5	US History	Human Geography	World History	Economics Citizenship & Government
Art Can be taken anytime	1	Art	Art		
Phy Ed	1	Phy Ed	Lifetime Fitness		
Health	.5		Health		
Electives Must include Personal Finance & FACS equivalent (taken anytime)	7		Personal Finance		

NRHEG

TOTAL CREDITS REQUIRED- 48

Subject	Credits	9th	10th	11th	12th
English	8	English 9	English 10	English 11	English 12
Math	6	Inter. Algebra	Geometry	Alg. II	
Science	6	Earth Science	Biology	Chemistry	
Social Studies	6	Civics Human Geography	US History	World History	Economics and Government
Art Can be taken anytime	2	Art	Art		
Phy Ed	2	Phy Ed	Lifetime Fitness		
Health	1		Health		
Electives Must include Personal Finance & FACS equivalent (taken anytime)	17	Keyboarding and Apps		Personal Finance	

PEQUOT LAKES

TOTAL CREDITS REQUIRED- 26

Subject	Credits	9th	10th	11th	12th
English	4	English 9	English 10	English 11	English 12
Math	3	Inter. Algebra	Geometry	Alg. II	
Science	3	Earth Science	Biology	Chemistry	
Social Studies	3.5	World History	US History	Human Geography	Economics Citizenship & Government
Art Can be taken anytime	1	Art	Art		
Phy Ed	.5	Phy Ed			
Health	.5		Health		
Electives Must include Personal Finance & FACS equivalent (taken anytime)	10.5			Personal Finance	20 Hrs Community Service

TRITON

TOTAL CREDITS REQUIRED- 28

Subject	Credits	9th	10th	11th	12th
English	4	English 9	English 10	English 11	English 12
Math	3.5	Inter. Algebra	Geometry	Alg. II	Math Elective
Science	3.5	Earth Science	Biology	Chemistry	Environ. Science
Social Studies	5	US History	World History	Economics Citizenship & Government	Social Studies Elective
Art Can be taken anytime	1	Art	Art		
Phy Ed	1	Phy Ed	Lifetime Fitness		
Health	.5		Health		
Electives Must include Personal Finance & FACS equivalent (taken anytime)	10.5				Personal Finance Senior Project

WASECA

TOTAL CREDITS REQUIRED- 74

Subject	Credits	9th	10th	11th	12th
English	12	English 9	English 10	English 11	English 12
Math	9	Inter. Algebra	Geometry	Alg. II	
Science	9	Earth Science	Biology	Chemistry or Physics	
Social Studies	12	Geography	American History	World History	Senior Social (Economics Civics/Gov)
Art	3	Art	Art		
Phy Ed	3.5	Phy Ed 9	Phy Ed 10		
Health	1		Health		
Electives Must include Personal Finance (class of '27 & beyond), Freshman Sem & Blue Jay Connect Equivalent courses	24.5	Freshman Sem: Career Planning	Blue Jay Connect: Strategies for Academic Success or Career Readiness	Personal Finance	

WATERVILLE-ELYSIAN-MORRISTOWN

TOTAL CREDITS REQUIRED- 24

Subject	Credits	9th	10th	11th	12th
English	4	English 9	English 10	English 11	English 12
Math	3	Inter. Algebra	Geometry	Alg. II	
Science	3	Earth Science	Chemistry	Biology	
Social Studies	3.5	US History I US History II	Citizenship/Govern. Human Geography	World History	Economics
Art Can be taken anytime	1	Art	Art		
Phy Ed	1	Phy Ed 9	Phy Ed/Lifetime Fitness		
Health	.5		Health		
Electives Must include Personal Finance & FACS equivalent (taken anytime)	8		Personal Finance	FACS Equivalent Career Readiness, Intro to Growth/Human Dev or Intro to Human Services	

Student Schedule Example

SEMESTER 1

9th Grade	10th Grade	11th Grade	12th Grade
Fitness/ Health	Elective	Algebra II/ Calculus	Algebra II/ Calculus
Economics/ Government	Elective	Early American History	Elective
Academic Success/ Elective	English 10	Elective	English 12
Physical Science	Biology	Elective	Elective

SEMESTER 2

	9th Grade	10th Grade	11th Grade	12th Grade
Block 1	Algebra I	Geometry	Elective	Elective
Block 2	Elective	World History 10	Elective	Modern American History
Block 3	English 9	Intro to Art	English 11	Elective
Block 4	Elective	Elective	Chemistry or Physics	Chemistry /Physics

Most students will have a schedule made up of four block periods each quarter as shown above. Block classes are offered as quarter or semester courses.

ART

Art History I
Course Length: 1.0 credit - 1 semester

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth-and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

Intro to Art
Course Length: 1.0 credit - 1 semester

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

LANGUAGE ARTS

English 9
Course Length: 1.0 credit - 1 semester

This freshman honors English course invites students to explore a variety of diverse and complex texts organized into thematic units. Students will engage in literary analysis and inferential evaluation of great texts, both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Honors students will read a range of classic texts, including Homer's The Odyssey, Shakespeare's Romeo and Juliet, Jack London's "To Build a Fire" and Richard Connell's "The Most Dangerous Game." Students will also read Sue Macy's full length nonfiction work Wheels of Change: How Women Rode the Bicycle to Freedom (With a Few Flat Tires Along the Way), and will study a variety of short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

English 9 Honors
Course Length: 1.0 credit - 1 semester

This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's The Odyssey, Shakespeare's Romeo and Juliet, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

English 10
Course Length: 1.0 credit - 1 semester

Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

English 10 Honors
Course Length: 1.0 credit - 1 semester

This sophomore-year honors English course provides engaging and rigorous lessons with a focus on academic inquiry to strengthen knowledge of language arts. Honors reading lessons require analyzing complex texts, while concise mini-lessons advance writing and research skills to craft strong, compelling essays and projects. Students will write argumentative and analytical essays based on literary texts, as well as an informative research paper using MLA style. Throughout the course, students read a range of classic and contemporary literary texts including Henrik Ibsen's A Doll's House, George Orwell's Animal Farm, and Marjane Satrapi's Persepolis. In addition to reading a wide range of literary texts, students read and analyze complex informational and argumentative texts including Sonia Sotomayor's "A Latina Judge's Voice," Niccolò Machiavelli's The Prince, and the contemporary informational text Sugar Changed the World: A Story of Magic, Spice, Slavery, Freedom, and Science.

(Language Arts continued on next page)

English 11
Course Length: 1.0 credit - 1 semester

This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

English 11 Honors
Course Length: 1.0 credit - 1 semester

This junior-year honors English course invites students to delve into American literature from early American Indian voices through contemporary works. Students will engage in literary analysis and inferential evaluation of great texts, including the full length novel The Awakening by Kate Chopin. While critically reading fiction, poetry, drama, and expository nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Interwoven throughout the lessons are activities that encourage students to strengthen their oral language skills, research and critically analyze sources of information, and produce clear, coherent writing. To round out the course, students will read a range of short but complex texts, including Henry David Thoreau's essay "Civil Disobedience," Floyd Dell's drama King Arthur's Socks, and works by Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

English 12
Course Length: 1.0 credit - 1 semester

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

English 12 Honors
Course Length: 1.0 credit - 1 semester

This senior-year Language Arts course provides engaging and rigorous lessons with a focus on academic inquiry to strengthen your knowledge of language arts. Honors reading lessons support you in analyzing complex texts, while concise mini-lessons advance your writing and research skills to help you craft strong, compelling essays and projects. You will write argumentative and analytical essays based on literary texts, as well as an informative research paper using MLA style.

Intro to Communications and Speech
Course Length: 1.0 credit - 1 semester
Counts towards Mankato's requirement)

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. High school students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.

(Language Arts continued on next page)

12th Grade Senior Composition
(E. Grand Forks , Mankato, and Northfield Requirement)
Course Length: .5 credit - 1 semester

Senior Composition is a semester required course that is a study of the writing process. Students will study the components of grammar, research, and writing. Students will use critical thinking skills, analyzing skills, interpreting skills, and organizational skills to create and write academic essays.

12th Grade Senior Literature
(E. Grand Forks, Mankato, and Northfield Requirement)
Course Length: .5 credit - 1 semester

Senior literature is a study of British literature including novels, plays, epic poems, and short stories. Students will read and analyze literature through writing and speaking. Students will use critical thinking skills, analyzing skills, interpreting skills, and organizational skills to respond to classical literature.

MATHEMATICS

Algebra I
Course Length: 1.0 credit - 1 semester

This course focuses on five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, descriptive statistics, expressions and equations, and quadratic functions and modeling. This course builds on the foundation set in middle grades by deepening students' understanding of linear and exponential functions and developing fluency in writing and solving one-variable equations and inequalities. Students will interpret, analyze, compare, and contrast functions that are represented numerically, tabularly, graphically, and algebraically. Quantitative reasoning is a common thread throughout the course as students use algebra to represent quantities and the relationships among those quantities in a variety of ways. Standards of mathematical practice and process are embedded throughout the course, as students make sense of problem situations, solve novel problems, reason abstractly, and think critically.

Intermediate Algebra
Course Length: 1.0 credit - 1 semester

This full-year honors course introduces students to linear, exponential, and quadratic functions by interpreting, analyzing, comparing, and contrasting functions that are represented numerically, tabularly, graphically, and algebraically. Technology is utilized within some lessons to further support students in identifying key features as well as displaying images of the functions. The course builds upon the basic concepts of functions to include transformations of linear and non-linear functions. Students deepen their understanding of quantitative reasoning, piecewise functions, and quadratic functions through performance tasks. The additional performance based skills allow the honors students to apply more of the concepts taught in the course. The course concludes with students analyzing data through displays and statistical analysis.

Algebra II
Course Length: 1.0 credit - 1 semester

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

Algebra II Honors
Course Length: 1.0 credit - 1 semester

The course begins with a review of concepts that will assist students throughout the course, such as literal equations, problem solving, and word problems. Students then progress to a unit on functions where students compute operations of functions, compose of functions, and study inverses of functions. To build on their algebraic skills, students learn about complex numbers and apply them to quadratic functions via completing the square and quadratic formula methods. Next, students solve linear systems and apply their knowledge of the concept to three-by-three systems. An in-depth study on polynomial operations and functions allow students build their knowledge of polynomials algebraically and graphically. In the second semester, students study nonlinear functions. Students solve and graph rational and radical functions whereas the exponential and logarithmic functions focus on the key features and transformations of the functions. Expected value and normal distribution concepts expand and deepen students' knowledge of probability and statistics. Students also cover trigonometric functions and periodic phenomena.

(Math continued on next page)

Geometry
Course Length: 1.0 credit - 1 semester

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.

CHOOSE ONE

Geometry Honors
Course Length: 1.0 credit - 1 semester

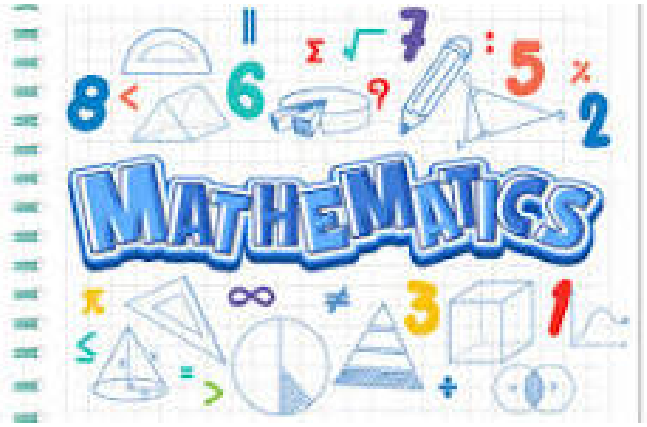
The course begins by exploring the foundational concepts of Euclidean Geometry in which students learn the terminology of geometry, measuring, proving theorems, and constructing figures. Students then expand on their knowledge of transformations and complete an assignment on identifying point symmetry as well as completing a performance task on tessellations. The course continues with an in-depth look at triangles where students prove theorems, relating congruency and similarity in terms of transformations, and connecting right triangles relationships to trigonometry. Students study set theory and apply probability through theoretical and experimental probability, two-way tables, and combinations and permutations. With lessons pertaining to quadrilaterals, students can identify the various figures based on their key features. Within the circles units, students identify angles, radii, and chords, perform a performance-based task on tangents, and then compute the circumference and area of various circles. Then students study parabolas, ellipses and hyperbolas before modeling and computing two- and three-dimensional figures.

Precalculus
Course Length: 1.0 credit - 1 semester

With an emphasis on function families and their representations, precalculus is a thoughtful introduction to advanced studies leading to calculus. The course briefly reviews linear equations, inequalities, and systems and moves purposefully into the study of functions. Students then discover the nature of graphs and deepen their understanding of polynomial, rational, exponential, and logarithmic functions. Scaffolding rigorous content with clear instruction, the course leads students through an advanced study of trigonometric functions, matrices, and vectors. The course concludes with a short study of probability and statistics.

Statistics
Course Length: 1.0 credit - 1 semester

This fourth-year high school math option provides a comprehensive introduction to data analysis and statistics. Students begin by reviewing familiar data displays through a more sophisticated lens before diving into an in-depth study of the normal curve. They then study and apply simple linear regression and explore sampling and experimentation. Next, students review probability concepts and begin a study of random variables. Later topics also include sampling distributions, estimating and testing claims about proportions and means, and inferences and confidence intervals.



PHYSICAL EDUCATION
HEALTH

Health
Course Length: 0.5 credit - 1 quarter

This high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in-depth studies in order to create mentally and emotionally healthy relationships with peers and family, as well as nutrition, sleeping, and physical fitness plans. Students also examine and analyze.

Lifetime Fitness
Course Length: 0.5 credit - 1 quarter

Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. Lifetime Fitness encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition. Personal fitness assessments encourage students to design a fitness program to meet their individual fitness goals.

Physical Education
Course Length: 0.5 credit - 1 quarter

This course explores fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management, this course equips high school students with the skills they need to achieve lifetime fitness. This course encourages students to assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition.

SCIENCE

*Students are required to earn 3 credits of science to meet graduation requirement.

Biology
Course Length: 1.0 credit - 1 semester

This course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

Biology Honors
Course Length: 1.0 credit - 1 semester

This course engages students in a rigorous honors-level curriculum that emphasizes the study of life and its real-world applications. This course examines biological concepts in more depth than general biology and provides a solid foundation for collegiate-level coursework. Course components include biochemistry, cellular structures and functions, genetics and heredity, bioengineering, evolution, structures and functions of the human body, and ecology. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

Chemistry
Course Length: 1.0 credit - 1 semester

This course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

Chemistry Honors
Course Length: 1.0 credit - 1 semester

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes mathematical problem solving and practical applications of chemistry. Topics are examined in greater detail than general chemistry in order to prepare students for college-level coursework. Course components include atomic theory and structure, chemical bonding, states and changes of matter, chemical and redox reactions, stoichiometry, the gas laws, solutions, acids and bases, and nuclear and organic chemistry. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

Earth Science
Course Length: 1.0 credit - 1 semester

Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth, Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

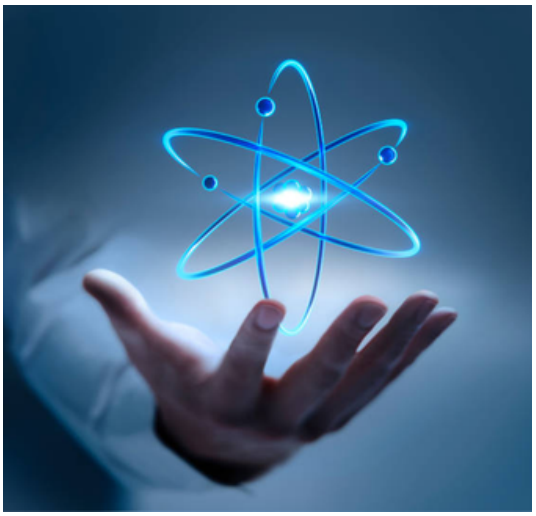
(Science continued on next page)

Environmental Science
(Bemidji's 4th-year Science Requirement)
Course Length: 1.0 credit - 1 semester

Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

Physics
Course Length: 1.0 credit - 1 semester

This course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.



CHOOSE ONE

Physics Honors
Course Length: 1.0 credit - 1 semester

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes abstract reasoning and applications of physics concepts to real-world scenarios. Topics are examined in greater detail than general physics and provide a solid foundation for collegiate-level coursework. Course components include one- and two-dimensional motion, momentum, energy and thermodynamics, harmonic motion, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

SOCIAL STUDIES

Social Studies Requirement Clause

**Social Studies graduation requirements vary by partnership district. Students will be registered in the appropriate Social Studies course(s) based on the specific graduation requirements of their enrolling district.

Social Studies Requirement Clause

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Students will be registered in the appropriate Social Studies course(s) based on the specific graduation requirements of their enrolling district.

Citizenship and Government
Course Length: 0.5 credit - 1 quarter

This quarter-long course provides students with a practical understanding of the principles and procedures of government. The course begins by establishing the origins and founding principles of American government. After reviewing the Constitution and its amendments, students investigate the development and extension of civil rights and liberties. Lessons also introduce landmark Supreme Court cases and the decisions that have influenced how the government is run and how the constitution is interpreted. This course will guide students through the function of government today and the role of citizens in the civic process. Students will look at public policy and the roles of citizens and organizations in promoting policy.

Early American History
Course Length: 1.0 credit - 1 semester

This course covers prehistory, The American Colonies, The American Revolution, The Early Republic, Westward Movement, The Civil War, Reconstruction, Industry and Immigration.

CHOOSE ONE

Early American History Honors
Course Length: 1.0 credit - 1 semester

This is a rigorous, in-depth, college-level course designed to challenge students to develop stronger reading, writing, and critical thinking skills — and to prepare students to take the AP United States History Exam. This course covers the first half of the AP Unit-ed States History curriculum, including the Era of Exploration, thedevelopment of the Thirteen Colonies, the American Revolution,Westward Expansionism, and the Civil War and Reconstruction.

Economics
Course Length: 0.5 credit - 1 quarter

This quarter-long course invites students to broaden their understanding of how economic concepts - including microeconomics and macroeconomics theories, the characteristics of market economies, and the role of government in a free-enterprise system and the global economy, and personal financial strategies - apply to their everyday lives. Throughout the course, students apply critical thinking skills while making practical economic choices. Students will analyze data and write routinely and responsively in tasks and assignments that are based on scenarios, texts, activities, and examples.

Human Geography
Course Length: 0.5 credit - 1 quarter

This is a quarter-long course that takes a thematic approach to the study of all aspects of the field of human geography, including: human-environment interaction, cultural, political, and economic geography, and globailization and the interconnectivity of the world's people and places. In this course, students will develop and apply skills related to data analysis and problem solving. They will take an indepth look at human geography topics and then a survey look at various geographical regions around the world.

Modern Geography A & B
Course Length: 1.0 credit - 1 semester

This is a semester-long course that takes a thematic approach to the study of all aspects of human geography. Students in this course will discover the various elements of cultural, political, and economic geography. They will also learn more about the interconnectivity of the world's people and places and how events happening in one area can impact another part of the globe. They will also spend time learning about the physical and cultural geography of the major regions of the world, such as Africa, Asia, Oceania, Europe, Latin America, Middle East, and North America. Students will cultivate skills related to mapping, data analysis, and problem solving.

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Modern History
Course Length: 1.0 credit - 1 semester

This semester-long course will provide students with a comprehensive overview of US history. Students will continue their study of the US, starting with American Imperialism and World War I. Then students will analyze the growth of the post-war economy and the cultural influences of the 1920s before looking at the cause and effect of the Great Depression on American people. Students will end their first quarter with an indepth look at World War II. Quarter 2 will pick up with the societal changes in the Post-War Era and the impact that technology had on cultural shifts. They will analyze various primary sources and documents to learn about the Civil Rights Movement and various other rights movements at the time before ending with a look at more modern US history and issues.

United States History I
Course Length: 0.5 credit - 1 quarter

In this course, students will study the development of the political, social, economic and diplomatic history of the United States. Programs of various presidential administrations and major economic and political ideas that have influenced the development of our American system will be studied. The first half of the course will be a survey of U.S. history to about 1876.

United States History II
Course Length: 0.5 credit - 1 quarter

This quarter-long course will provide students with a comprehensive overview of US history. Students will continue their study of the US, starting with American Imperialism and World War I. Then students will analyze the growth of the post-war economy and the cultural influences of the 1920s before looking at the cause and effect of the Great Depression on American people. Students will then look at the various issues and conflicts that helped lead to World War II and the U.S.'s involvement in that conflict. Following World War II, students will examine the societal changes in the Post-War Era and the impact that technology had on cultural shifts. They will analyze various primary sources and documents to learn about the Civil Rights Movement and various other rights movements at the time before ending with a look at more modern US history and issues.

World History
Course Length: 1.0 credit - 1 semester

This semester-long course will have students examining the major events and turning points of world history. Students will investigate the development of civilizations in the Middle East, Africa, Europe, and Asia, and they will explore the economic, political, and social revolutions that have transformed human history. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to trace ideas across multiple cultures and perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. The first half of this course will look at events starting at the Neolithic Era and going through the Age of Revolutions in the early 1800s. The second half of this course will have an indepth look at modern world history events starting with Nationalism and Industrialism in the 1800s and continuing to modern issues in our global society.

World History Honors
Course Length: 1.0 credit - 1 semester

This semester-long course will have students examining the major events and turning points of world history. Students will investigate the development of civilizations in the Middle East, Africa, Europe, and Asia, and they will explore the economic, political, and social revolutions that have transformed human history. Students will devle into various themes such as social history, democratic government, and the relationship between history and the arts to create a more indepth and comprehensive understanding of World History and the patterns that exist. Students will develop and utilize critical thinking and writing skills through the production of short answer responses and essays. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical **evidence and to draw conclusions about historical events.**

(Social Studies continued on next page)

HISTORY

Electives

Agriculture, Food, Natural Resources

Animal Systems
Course Length: .5 credit - 1 quarter

Agribusiness Systems course introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Students learn about the components of the agribusiness system and how they interact to deliver food to our tables. They also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations.

Food Products and Processing Suystems
Course Length: .5 credit - 1 quarter

Agriculture, food, and natural resources are central to human survival and civilization. The development, use, and stewardship of natural resources to create food products have a long and ever-changing timeline. This semester-length high school course that explores the history and evolution of food products, along with the processing methods that have arisen to feed an evergrowing world population. Students study specifics in a wide spectrum of food product topics, from early methods of preservation to technological advancements in packaging, regulations in labeling, and marketing trends. Students learn industry terminology in each area of the overall system, from “farm to fork” to vertical integration to smart packaging.

Principles of Agriculture, Food, and Natural Resources
Course Length: .5 credit - 1 quarter

This course introduces students to the basic scientific principles of agriculture and natural resources. Students recognize and research plant systems, animal systems, government policy, “green” technologies, agribusiness principles, and sustainability systems. In this course, students apply understanding of ecosystems and systems thinking to the management of natural resources to maximize the health and productivity of the environment, agriculture, and communities. Students also analyze community practice or policy development related to sustainability in agriculture, food, and natural resources. Finally, students apply adaptive ecosystem management to a common pool resource problem in a manner that addresses ecological, socioeconomic, and institutional contexts.

Plant Systems
Course Length: .5 credit - 1 quarter

Plant Systems course introduces students to the basics of plant biology, soil science, agriculture, and horticulture, along with the environmental management practices involved in each, including integrated pest management, biotechnology, growth techniques, and crop management. Students learn the basic parts of a plant, how plants are scientifically classified, and how they interact with water, air, nutrients, and light to undergo the processes of photosynthesis and respiration. Plant reproduction, including pollination, germination, and dispersal of seeds, is also presented. The course concludes by looking at careers in the plant sciences which includes agronomy, horticulture, or landscape design

Power, Structural, and Technical Systems
Course Length: .5 credit - 1 quarter

This course provides students with an understanding of the field of agriculture power and introduces them to concepts associated with producing the food and fiber required to meet today’s and tomorrow’s needs. Students are given the opportunity to explore agriculture machinery, as well as structures and technological concepts. They also learn about the historical changes in agriculture and how agriculture has changed to meet the needs of the future world population. Students are introduced to machinery, structures, biotechnology, and ethical and professional standards applicable to agriculture power.

Architecture & Construction

Construction Careers
Course Length: .5 credit - 1 quarter

Construction Careers course that introduces high school students to the basics of construction, building systems, engineering principles, urban planning, and sustainability. Students learn the key techniques in building all types of buildings, as well as the key individuals involved in each step of the process. Many lessons present information on green building techniques and concepts that are becoming a standard part of the construction industry. Safety practices are emphasized in several lessons because construction is one of the most dangerous industries; students learn that there is no way to be successful in construction without taking such issues seriously. Lessons in this course also explore regulatory agencies and guidelines established for protecting not only construction workers but also the occupants of a building.

Introduction to Careers in Architecture and Construction
Course Length: .5 credit - 1 quarter

The goal of this course is to provide students with an overview of careers in architecture and construction in order to assist with informed career decisions. This dynamic, rapidly evolving career cluster is comprised of three pathways (fields): Design and Pre-Construction (Architecture and Engineering); Construction (Construction and Extraction); and Maintenance and Operations (Installation, Maintenance, and Repair). The Architecture and Construction career cluster is defined as careers in building, designing, managing, maintaining, and planning the built environment. The built environment encompasses all zones of human activity—from natural conservation areas with minimal human intervention to highly dense areas with tall skyscrapers and intricate highway systems to suburban cul-de-sacs. The interrelated components that make up the built environment are as varied and unique as the professionals who help shape it.

Arts, A/V Technology & Communiation

Fundamentals of Digital Media
Course Length: .5 credit - 1 quarter

Fundamentals of Digital Media course presents high school students an overview of the different types of digital media and how they are used in the world today. This course examines the impact that digital media has on culture and lifestyle. The course reviews the basic concepts for creating effective digital media and introduces several different career paths related to digital media. Students learn about the tools used as well as best practices employed for creating digital media. In the course, students explore topics such as the use of social media, digital media in advertising, digital media on the World Wide Web, digital media in business, gaming and simulations, e-commerce, and digital music and movies. Students also review the ethics and laws that impact digital media use or creation.

Intro to Careers in Arts, A/V Tech, and Communications
Course Length: 1.0 credit - 1 semester

This introductory semester-long high school course provides comprehensive information on five separate areas of arts and communications as potential educational and career pathways, including: audio/video technology and film, performing arts, visual arts, printing technology, journalism and broadcasting, and telecommunication systems. Students who are interested in careers across a broad spectrum of professional positions, including fine artist, telecommunications administrator, magazine editor, broadcast journalist, or computer graphic artist, will gain useful perspective on industry terminology, technology, work environment, job outlook, and guiding principles.

Business Management & Administration

Business English
Course Length: 1.0 credit - 1 semester

Business English is a course where students will use technology to develop research, organization, and written and oral communication skills as they relate to a business setting. Students will learn how to communicate appropriately by investigating nonverbal and verbal communication as it applies in the workplace. These skills will help prepare students for careers or employment within Business Administration and Management career pathways such as business management, administrative services, medical administration, and office management.

Business Information Management
Course Length: .5 credit - 1 quarter

In Business Information Management, students will develop skills needed to successfully manage information in business organizations. This course teaches them the basics of information technology, personal and interpersonal skills, word processing, using databases and creating professional presentations. Students who complete the course will be able to use these skills as they transition to postsecondary education or the workforce.

Business Law
Course Length: .5 credit - 1 quarter

This course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students are then introduced to the types of businesses that can be created as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated are reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts are discussed to get a better sense of what it means to "go global" with a business. Dispute resolution strategies are also addressed.

Intro to Business
Course Length: 1.0 credit - 1 semester

Students learn the principles of business using real-world examples—learning what it takes to plan and launch a product or service in today's fastpaced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

Keboarding and Applications
Course Length: .5 credit - 1 quarter

Keyboarding and Applications is a semester-long course that teaches students keyboarding skills, technical skills, effective communication skills, and productive work habits. Students learn proper keyboarding techniques. Once students have been introduced to keyboarding skills, lessons include daily practice of those skills. Students gain an understanding of computer hardware, operating systems, file management, and the Internet. In addition, students apply their keyboarding skills and create a variety of business documents, including word processing documents and electronic presentations.

Small Business Entrepreneurship
Course Length: .5 credit - 1 quarter

This course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for having effective business management, financing and marketing strategies.

(Business Mgmt & Admin continued on next page)

Business Management & Administration)

Technology and Business
Course Length: .5 credit - 1 quarter

This year-long course teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents, including complex word-processing documents, spreadsheets with charts and graphs, database files, and electronic presentations.

Career Management
Course Length: .5 credit - 1 quarter

Career Management is a quarter-long high school course that assists students in their preparation for career selection. The course is designed to improve workforce skills needed in all careers including communication, leadership, teamwork, decision making, problem solving, goal setting and time management. Students complete activities that help identify personal interests, aptitudes, and learning styles. Students use results of self-assessments to determine careers that may prove personally satisfying.

Career Planning and Development
Course Length: 1.0 credit - 1 semester

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

Career Readiness (Prerequisite for Work-Based Learning)
Course Length: 0.5 credit - 1 quarter
11 & 12 grade only

This course serves as a prerequisite for the Work-Based Learning Option available to juniors and seniors. Designed to introduce high school students to the working world, this one-quarter course helps students develop the essential skills needed for workplace success. Students will explore career pathways aligned with their personal interests and abilities, create job search documents, and refine key soft skills such as communication, teamwork, problem-solving, and professionalism. Emphasis is placed on adaptability, responsibility, and the traits of effective employees. Throughout the course, students will complete a self-assessment profile, craft a cover letter and résumé, and build an educational or career portfolio to support their future goals.

Work-Based Learning
Course Length: 0.5 credit Pass/Fail - 1 quarter
(Prerequisite: Career Planning or Career Readiness)
11 & 12 Grade only

Work-Based Learning provides juniors and seniors with the opportunity to earn credit while gaining real-world work experience. Prior counseling approval and successful completion of the Career Planning & Development course are required before enrollment. Students must secure their own employment, as Owatonna Online does not arrange job placements. To earn credit, students must maintain employment throughout the quarter, log and verify hours worked, and provide a point of contact for their employer to communicate with the school. Additionally, students will be expected to demonstrate and reflect on key workplace skills as outlined by the course advisor. Work-Based Learning helps students strengthen employability skills, apply classroom knowledge in a professional setting, and build readiness for future career opportunities. This course follows a Pass/Fail grading system.

Education & Training

Introduction to Careers in Education and Training
Course Length: 0.5 credit - 1 quarter

Introduction to Careers in Education and Training is a course that introduces students to the field of education and training, and the opportunities available for early-childhood through adult and continuing education. Students gain an understanding of the career options available in teaching, administrative work, and support services. They also explore the education and background experience needed to succeed in these careers. Students learn about the evolution of the modern educational system in the United States, and the policies and laws that govern educational institutions. They also discover the similarities and differences between the ethical and legal obligations of working with adults versus working with children.

Introduction to Human Growth and Development
Course Length: 0.5 credit - 1 quarter

This course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. The course provides a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed. Students who take this course will come away with a broad understanding of all the careers that help people from birth to death.

Teaching and Training Career
Course Length: 0.5 credit - 1 quarter

Teaching and Training Careers is a semester-long high school course that introduces students to the art and science of teaching. It provides a thorough exploration of pedagogy, curriculum, standards and practices, and the psychological factors shown by research to affect learners. In five units of study, lessons, and projects, students engage with the material through in-depth exploration and hands-on learning, to prepare them for teaching and training careers. Students are given many opportunities to be the teacher or trainer, and to explore the tasks, requirements, teaching strategies, and research-based methods that are effective and high-quality.

Finance

Banking Services Careers
Course Length: 0.5 credit - 1 quarter

Banking Services Careers provides an overview of how the banking system works, what the Federal Reserve is, and the technical and social skills needed to work in banking and related services. Students explore career paths and the required training or higher education necessary and gain an understanding of the basic functions of customer transactions (e.g., setting up an account, processing a loan, establishing a business), cash drawer activity, check collection processes, and other customer service-related transactions. This course also discusses how technology has changed banking in the 21st century. The banking industry is responsible for many of the products that we use on a daily basis, from checking and savings accounts to debit cards, credit cards, and loans.

Introducation to Careers in Finance
Course Length: 0.5 credit - 1 quarter

Introduction to Careers in Finance provides the fundamentals
of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. Course units address a broad set of services in the industry including finance overview, financial services, securities analysis, investments, principles of corporate finance, banking services, risk management, and insurance.

Government & Public Administration

Intro to Careers in Government and Public Administration
Course Length: 0.5 credit - 1 quarter

This course provides students with an overview of American politics and public administration, including how political institutions and public management systems at the local, state, and federal levels exercise supervisory authority and maintain accountability. Students explore the foundations of the U.S. government, the separation of powers, the federal civil service system, and the relationship between the government and state and local officials. Students learn about politics in the United States and the electoral process, political attitudes and opinions, and American political parties. Students explore the structure of U.S. federal governmental institutions, the nature of bureaucracy, and the functions of the three branches of government. Students also learn about policy making in American government, including discussions of foreign and defense policies.

Health Science

Careers in Allied Health
Course Length: 0.5 credit - 1 quarter

Careers in Allied Health focuses on select allied health careers, studying a variety of different levels, responsibilities, settings, education needs and amounts of patient contact. The course i ncludes an overview of the degree or training needed for each job, the environment one would work in, how much money the position could make, and the facts of the actual working day. Within each job type, students explore important aspects applicable to the entire field of allied health, such as behaving ethically, working as a team, keeping patients safe and free from infections and germs, honoring diverse needs of diverse patients, and following laws and policies.

Health, Safety, and Ethics in the Health Environment
Course Length: 0.5 credit - 1 quarter

Health, Safety, and Ethics in the Health Environment course focuses on healthcare safety, health maintenance practices, environmental safety processes and procedures, and ethical and legal responsibilities. It also reinforces, expands, and enhances biology content specific to diseases and disorders. Students participate in project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. Students develop basic technical skills required for all health career specialties including understanding occupational safety techniques and obtaining their CPR and First Aid certifications.

Health Science Concepts
Course Length: 1.0 credit - 1 semester

This year-long course introduces high school students to the fundamental concepts of anatomy and physiology—including the organization of the body, cellular functions, and the chemistry of life. As they progress through each unit, students learn about the major body systems, common diseases and disorders, and the career specialties associated with each system. Students investigate basic medical terminology as well as human reproduction and development. Students are introduced to these fundamental health science concepts through direct instruction, interactive tasks, and practice assignments. This course is intended to provide students with a strong base of core knowledge and skills that can be used in a variety of health science career pathways.

Introduction to Careers in the Health Sciences
Course Length: 0.5 credit - 1 quarter

This course is an overview of health careers and overriding principles central to all health professions. The course provides a foundation for further study in the field of health science. Upon completion of the course, students are able to discuss the potential career choices and have an understanding of basic concepts that apply to these different choices such as science and technology in human health, disease, privacy, ethics and safety. Essential skill development, such as communication and teamwork, are also addressed.

Introducation to Health Science
Course Length: 1.0 credit - 1 semester

This high school course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.

(Health Science continued on next page)

Health Science

Medical Terminology
Course Length: 1 credit - 1 semester

Terminology introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology. The knowledge and skills gained in this course provide students entering the healthcare field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments, and unit-level assessments.

Nursing Assistant
Course Length: 1.0 credit - 1 semester
Grade Level: 9, 10, 11, 12
This course prepares students to provide and assist with all aspects of activities of daily living and medical care for the adult patient in hospital, longterm care, and home settings. Through direct instruction, interactive skills demonstrations, and practice assignments, students are taught the basics of nurse assisting, including interpersonal skills, medical terminology and procedures, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, emergency skills, and employability skills. Successful completion of this course from an approved program prepares the student for state certification for employment as a Certified Nursing Assistant (CNA).

Nursing: Unlimited Possibilities and Unlimited Potential
Course Length: 0.5 - 1 quarter

Nursing: Unlimited Possibilities and Unlimited Potential provides high school students with opportunities to compare and contrast the various academic and clinical training pathways to an entry-level position in nursing and to explore the growing number of opportunities for professional advancement given the proper preparation and experience. In this semester-long course, students have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand the important changes proposed in the education and ongoing professional development of nurses.

Pharmacy Technician
Course Length: 1.0 credit - 1 semester
Grade Level: 9, 10, 11, 12

This course prepares students for employment as a Certified Pharmacy Technician (CPhT) and covers the skills needed for the pharmacy technician field. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn the basics of pharmacy assisting, including various pharmacy calculations and measurements, pharmacy law, pharmacology, medical terminology and abbreviations, medicinal drugs, sterile techniques, USP 795 and 797 standards, maintenance of inventory, patient record systems, data processing automation in the pharmacy, and employability skills. Successful completion of this course prepares the student for national certification for employment as a CPhT.

Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors
Course Length: 0.5 credit - 1 quarter

Physicians, Pharmacists, Dentists, Veterinarians, and Other Doctors focuses on preparation for physician-level careers, including dental, veterinary and pharmaceutical, along with a look into the physician assistant and alternative medicine systems.

Public Health: Discover the Big Picture in Health Care
Course Length: 0.5 credit - 1 quarter

This course discusses the multiple definitions of public health and the ways these definitions are put into practice.

Therapeutics: The Art of Restoring and Maintaining Wellness
Course Length: 0.5 credit - 1 quarter

Therapeutics: The Art of Restoring and Maintaining Wellness is a semester-long high school course that focuses on careers that help restore and maintain mobility and physical and mental health, such as physical therapists, physical therapy assistants, occupational therapists, athletic trainers, massage therapists, dieticians and dietetic technicians, art therapists, neurotherapists, vocational rehabilitation counselors, and registered dental hygienists. Each career is explored in depth, examining typical job duties, educational and licensure requirements, working conditions, average salary, and job outlook. Key concepts and specific skill sets are introduced in the lessons, allowing students to apply what they have learned to health careers. This course is important because skilled health care workers are in high demand and expected to remain so for the foreseeable future.

Hospitality & Tourism

Food Safety and Sanitation
Course Length: 0.5 credit - 1 quarter

This comprehensive course covers the principles and practices of food safety and sanitation that are essential in the hospitality industry for the protection and well-being of staff, guests and customers. The course provides a systems approach to sanitation risk management and the prevention of food contamination by emphasizing the key components of the Hazard Analysis Critical Control Point (HACCP) food safety system. After successful completion of this course, students are prepared to meet the requirements of state and national certification exams.

Marketing and Sales for Tourism & Hospitality
Course Length: 0.5 credit - 1 quarter

This course is designed as an introduction to the study of tourism and hospitality marketing and sales.

Planning Meetings and Special Events
Course Length: 0.5 credit - 1 quarter

Planning Meetings and Special Events course designed as an introduction to the study of planning meetings and special events. Being a meetings and special events planner is both demanding and rewarding. According to The Bureau of Labor Statistics employment of meeting, convention, and event planners is projected to grow 7 percent from 2018 to 2028, faster than the average for all occupations. Job opportunities should be best for candidates with hospitality experience and a bachelor's degree in meeting and event management, hospitality, or tourism management. It's not all fun and parties because a meeting coordinator is responsible for every detail of an event. Planners must know how to communicate, be empathetic, and think of their clients. It's crucial to remember that in some instances the event will be a once-in-a-lifetime occasion, so it's important to get it right.

Sustainable Service Management For Hospitality
Course Length: 0.5 credit - 1 quarter

This course covers the principles and practices of sustainable service management. The purpose of this course is to provide students with an understanding of socially, environmentally, and financially sustainable hospitality management. The course provides a sustainable approach to service management, incorporating the role of the customer, employee, leaders, and the environment. After successful completion of this course, students understand and are able to explain the fundamentals of sustainability in the hospitality industry.

Transportation & Tours for the Traveler
Course Length: 0.5 credit - 1 quarter

Transportation and Tours for the Traveler course is where students learn about today's package tour industry, travel industry professionals, and package tour customers. Students find out who tour operators must work with to create travel products and what kinds of decisions they must make in terms of meals, lodging, attractions, and, of course, transportation. Finally, students learn about how technology, world events, and increased environmental awareness are affecting the travel industry today. Students focus on the different components that go into creating a tour to get a sense of what working for a tour operator entails as well as what other careers are available in the tour industry.

Human Services

Family Community Services
Course Length: 0.5 credit - 1 quarter

This comprehensive course covers the principles and practices of sustainable service management.

Introducation to Customer Service
Course Length: 0.5 credit - 1 quarter

In this course, students analyze various career paths in terms of employment opportunities and educational requirements, such as hard and soft skills, certifications, and licensures for different pathways. Developing research, analytical, and presentations skills are key components. This course is designed as an overview to prepare students for a consumer services- related career and to introduce them to specialty areas. Emphasis is placed on the human services aspect (vs. corporate concerns) of consumer services. Social issues and advocacy, as well as ethics and legalities, are a recurring theme. Students gain knowledge of current issues affecting various consumer services professions, and the impact of local, state, national and global issues on consumer services.

Introduction to Human Services
Course Length: 0.5 credit - 1 quarter

This course introduces high school students to the possibilities for careers in the human services professions. Through anecdotes, lessons, and a variety of assignments and projects, students learn about the broad variety of jobs available in the human services. These begin with entry-level positions, such as associate social workers, that require a two-year Associate of Arts degree. Students also learn ethics and philosophies of the helping professions. The history of the profession, as well as the impact of the cultural, social, and economic environment on individual people, especially those who need social services assistance, is also explored.

Personal Care Services
Course Length: 0.5 credit - 1 quarter

Personal Care Services introduces high school students to a variety of careers in the following areas: cosmetology (including hairstyling and haircutting, esthetics, manicuring, makeup, and teaching) and barbering (including cutting and styling of hair and facial hair and manicuring for men); massage therapy, teaching body-mind disciplines (yoga, Pilates, and the martial arts), and fitness (general exercise classes and acting as a personal trainer); and mortuary science (embalming and funeral directing). The semester-long course teaches students about what each career entails and the education and training they need to become credentialed in various career specialties. In addition, about half of the course is devoted to teaching knowledge associated with the various professions, so that students can get a feel for what they should learn and whether they would like to learn it.

Information Technology

Fundamentals of Computer Systems
Course Length: 0.5 credit - 1 quarter

Fundamentals of Computer Systems is a semester-long high school course that provides students with an understanding of computers and how they operate as well as a basic understanding of how to manage and maintain computers and computer systems.

Fundamentals of Programming & Software Development
Course Length: 0.5 credit - 1 quarter

This course provides students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations.

(Info Technology continued on next page)

Information Technology

Introduction to Computer Science
Course Length: 1.0 credit - 1 semester

This course is available as both an elective and a CTE course. Introduction to Computer Science course designed for students in grades 9-10, although any students across 9-12 may enroll. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students have creative, hands-on learning opportunities to create a computer program, a web page, design a mobile app, write algorithms, and collaborate with peers while building a strong foundational knowledge base. This course provides a solid foundation for more advanced study as well as practical skills they can use immediately.

Required Materials:
Activities in this course require that Python is installed on students' computers.

Introduction to Information Technology
Course Length: 1.0 credit - 1 semester

This course introduces students to the essential technical and professional skills required in the field of Information technology (IT).

Introduction to information Technology Support & Services
Course Length: 0.5 credit - 1 quarter

This semester-long course focuses on real-world application, including common industry best practices and specific vendors that offer tools for technicians, project managers, and IT leadership. Students learn how the IT department of an enterprise supports the overall mission of the company. Students apply their knowledge of hardware and software components associated with IT systems while exploring a variety of careers related to IT support and services. Students analyze technical support needs to perform customer service and configuration management activities. Students also evaluate application software packages and emerging software. Students demonstrate and apply knowledge of IT analysis and design by initiating a system project and evaluating applications within the IT system.

Introduction to Network Systems
Course Length: 0.5 credit - 1 quarter

This course introduces students to the fundamental technology and concepts that make networking systems possible.

Network Systems Design
Course Length: 0.5 credit - 1 quarter

This course introduces students to the fundamental technology and concepts that make networking systems possible.

New Applications: Web Development in the 21st Century
Course Length: 0.5 credit - 1 quarter

New Applications is a survey course that travels from the first software programs developed to facilitate communication on the Internet, to the new generation of mobile and native apps that access the Internet without a reliance on a web browser. New Applications is also a practical course in how to develop a presence on the World Wide Web using WordPress and other available web-application tools. The goal of the course is to provide the learner insight into the rapidly evolving universe of programming and application development to support informed career decisions in an industry that is changing as quickly as it is growing.

Software Development Tools
Course Length: 0.5 credit - 1 quarter

Software Development Tools* This course introduces students to the variety of careers related to programming and software development.

Law, Public Safety, Corrections & Security

Corrections: Policies and Procedures
Course Length: 0.5 credit - 1 quarter

Corrections: Policies and Procedures gives high school students an introductory, yet thorough view of many aspects of corrections operations and legal background information as they study how prisons and prisoners have evolved into correctional facilities and programs for offenders.

(Law, Public Safety, Corrections & Security continued on next page)

Law, Public Safety, Corrections & Security

Fire & Emergency and Procedures
Course Length: 0.5 credit - 1 quarter

Fire and Emergency Services course provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements.

Forensics: Using Science to Solve a Mystery
Course Length: 0.5 credit - 1 quarter

Forensics: Using Science to Solve a Mystery course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law.

Introduction to Law, Public Safety, Corrections, & Security
Course Length: 0.5 credit - 1 quarter

In this course will students learn about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security.

Law Enforcement Field Services
Course Length: 0.5 credit - 1 quarter

This semester-long course introduces students to the field of law enforcement and the local, county, state, and federal laws that law enforcement personnel are sworn to uphold. The students also gain an understanding of the career options available in this field and the skills, education, and background experience needed to succeed.
Students learn about the evolution of the role of law enforcement in the United States including key changes affecting law enforcement. Students learn about the interaction between local, county, state, and federal law enforcement agencies. Finally, students learn about the types of crime that are commonly committed and the procedures, evidence collection techniques, and technological advances that law enforcement personnel use to investigate crimes.

Legal Services
Course Length: 0.5 credit - 1 quarter

Legal Services is a course that provides students with an overview of the system of laws in the United States, the practice areas, and career options in the field.

Security and Protective Services
Course Length: 0.5 credit - 1 quarter

Security and Protective Services offers an overview of the security and protective services industry. Students will understand different types of security services and how they relate to one another. The distinction between the criminal justice system within the public sector and private security is addressed. The course begins with an introduction to the history of private security, with subsequent units focusing on a specific sector. The concluding unit focuses on the merging challenges facing security services in the twenty-first century, including international terrorism. In addition, the course provides information about many different careers that are available to students who are interested in security and protective services.

Marketing , Sales, and Service

Careers in Marketing Research
Course Length: 0.5 credit - 1 quarter

Marketing research is the foundation of all marketing activities because it provides the data needed to make key strategic decisions about products, promotions, pricing, and other key organizational decisions. Careers in Marketing Research is a semester-long high school course that provides information about the process of investigation and problem analysis by using research to produce key marketing statistics that are communicated to management and used throughout the organization. This course concludes with the execution, interpretation, and presentation of marketing research.

Science, Technology, Engineering & Mathematics

Engineering and Design
Course Length: 0.5 credit - 1 quarter

This course focuses on building real-world problem-solving and critical thinking skills as students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

Engineering and Product Development
Course Length: 0.5 credit - 1 quarter

This course provides an overview of the concepts of product engineering and development. Students analyze the life cycle of a product to prepare a product for distribution and for target markets.

Introduction to STEM
Course Length: 0.5 credit - 1 quarter

This course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students are exposed to several computer applications used to analyze and present technical or scientific information. Finally, students explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students discover their strengths through practical applications and awareness of the various STEM careers.

Science and Mathematics in the Real World
Course Length: 0.5 credit - 1 quarter

Science and Mathematics in the Real World is course where students focus on how to apply scientific and mathematical concepts to the development of plans, processes, and projects that address real world problems, including sustainability and “green” technologies. This course also highlights how science, mathematics, and the applications of STEM will be impacted due to the development of a greener economy. This course exposes students to a wide variety of STEM applications and to real world problems from the natural sciences, technology fields, the world of sports, and emphasizes the diversity of STEM career paths. The importance of math, critical thinking, and mastering scientific and technological skill sets is highlighted throughout. Challenging and enjoyable activities provide multiple opportunities to develop critical thinking skills and the application of the scientific method, and to work on real world problems using STEM approaches.

Scientific Discovery and Development
Course Length: 0.5 credit - 1 quarter

Scientific Discovery and Development is a course that explores the history of clinical laboratory science, learning how clinical laboratories evolved and became professionalized, and how scientific discoveries and breakthroughs fueled the development of the laboratory while the sub-disciplines in biology were advancing.

Scientific Research
Course Length: 0.5 credit - 1 quarter

This course provides support, accessible ideas, and specific language that guide students through most of the steps, insights, and experiences eventually faced if continued through higher education toward a graduate degree.

(Science, Tech., Engineering & Math continued on next page)

STEM and Problem Solving
Course Length: 0.5 credit - 1 quarter

Science, technology, engineering, and mathematics (STEM) are active components in the real world. STEM and Problem Solving is a semester-long high school course that outlines how to apply the concepts and principles of scientific inquiry, encouraging the use of problem-solving and critical-thinking skills to produce viable solutions to problems. Students learn the scientific method, how to use analytical tools and techniques, how to construct tests and evaluate data, and how to review and understand statistical information. This course is designed to help students understand what we mean by problem solving and to help understand and develop skills and techniques to create solutions to problems. Advanced problem-solving skills are necessary in all science, technology, engineering, and mathematics disciplines and career paths. This problem-solving course stresses analytic skills to properly format problem statements, use of the scientific method to investigate problems, the use of quantitative and qualitative approaches to construct tests, and an introduction to reviewing and interpreting statistical information.

Transportation, Distribution & Logistics

Careers in Logistics Planning and Management Services
Course Length: 0.5 credit - 1 quarter

Careers in Logistics Planning and Management Services course provides high school students with the history of logistics and recent advances in the field. Units include supply chain management, inventory and transportation management, and safety in the workplace. Logistics is a high-growth industry and stable career choice. There is something for every career-seeker, ability, and experience level. The objectives of this course are to introduce the student to the field of logistics planning and management and to explain the career opportunities that are available in this field.

Introduction to Careers in Transportation, Distribution, and Logistics
Course Length: 0.5 credit - 1 quarter

This semester-long course introduces students to the complicated world of commercial transportation. Students undertake an overview of the fields of transportation, distribution, and logistics, learning the differences between the fields and the primary services provided in each. Students learn how warehousing, inventory, and other associated businesses impact the economy, which includes the advantages and disadvantages of automation on employment. Students learn about the history of transportation including. Students examine the fields that serve to support and manage transportation systems. Lastly, the role of technology and technological development on transportation-related businesses is addressed.

Other Electives

Foundations of Personal Wellness
Course Length: 1.0 credit - 1 semester

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness.

Healthy Living
Course Length: 1.0 credit - 1 semester

Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this high school course provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. Available as either a semester or year-long course, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks.

(Other Electives continued on next page)

Other Electives

Personal Finance
Course Length: 0.5 credit - 1 quarter

This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. Students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

Strategies for Academic Success
Course Length: .5 credit - 1 quarter

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success.

Law & Justice
Course Length: .5 credit - 1 quarter
(E. Grand Forks' 10-grade Social Studies Elective Requirement)

Law & Order: Introduction to Legal Studies* Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure.

Philosophy and Ethics
Course Length: .5 credit - 1 quarter

Philosophy: The Big Picture* This course will take you on an exciting adventure that covers more than 2,500 years of history! Along the way, you'll run into some very strange characters.

Psychology
Course Length: 1.0 credit - 1 semester

This course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field.

Sociology
Course Length: .5 credit - 1 quarter

Human beings are complex creatures, and when we interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Examine answers to these questions and many more as you explore culture, group behavior, and societal institutions and how they affect human behavior.

Arts Electives

Art History I
Course Length: 1.0 credit - 1 semester

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth-and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

Introduction to Art
Course Length: 1.0 credit - 1 semester

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

Languages

Spanish I
Course Length: 1.0 credit - 1 semester

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

Spanish II
Course Length: 1.0 credit - 1 semester
Pre-Requisite: Spanish I

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

Spanish III
Course Length: 1.0 credit - 1 semester
Pre-Requisite: Spanish II

In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas across the globe.

French I
Course Length: 1.0 credit - 1 semester

Students in high school begin their introduction to French with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and across the globe.

French II
Course Length: 1.0 credit - 1 semester
Pre-Requisite: French I

Students continue their introduction to French in this second-year, high school language course with review of fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major French-speaking areas across the globe, and assessments.

Language Arts Electives

Introduction of Communications and Speech
Course Length: 1.0 credit - 1 semester

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. Students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.
**Fulfills 0.5 of Language Arts Credit Requirement*

(Lang. Arts continued on next page)

Language Arts Electives

Creative Writing
Course Length: 0.5 credit - 1 quarter
(Mankato's Senior Lit Requirement)

For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces of creative writing.
**Fulfills 0.5 of Language Arts Credit Requirement*

Expository Reading and Writing
Course Length: 1.0 credit - 1 semester

This elective English course is designed to develop critical reading and writing skills while preparing high school students to meet the demands of college-level work.
**Fulfills 0.5 of Language Arts Credit Requirement*

Classic Novels and Author Studies
Course Length: 0.5 credit - 1 quarter

The Classic Novels mini-courses give students the opportunity to fully explore a large work of fiction or to be introduced to a celebrated author. Designed to stand alone or to be inserted into an existing Imagine Edgenuity course, each mini-course guides students through the work with lectures, web activities, journals, and homework/practice. Students study the following novels: 1984, A Midsummer Night's Dream, Call of the Wild, Dr. Jekyll and Mr. Hyde, Heart of Darkness, Jane Eyre, Macbeth, Mrs. Dalloway, Portrait of the Artist, Robinson Crusoe, The House of Seven Gables, The Red Badge of Courage, and The Three Musketeers along with the following author studies: Jorge Luis Borges and Flannery O'Connor.
**Fulfills 0.5 of Language Arts Credit Requirement*

**** ELECTIVE COURSES ARE SUBJECT TO CHANGE DEPENDING ON COURSE REQUESTS, STUDENT ENROLLMENT NUMBERS, AND STAFFING ASSIGNMENTS. ****

Mathematics Electives

Statistics
Course Length: 1.0 credit - 1 semester

This fourth-year high school math option provides a comprehensive introduction to data analysis and statistics. Students begin by reviewing familiar data displays through a more sophisticated lens before diving into an in-depth study of the normal curve. They then study and apply simple linear regression and explore sampling and experimentation. Next, students review probability concepts and begin a study of random variables. Later topics also include sampling distributions, estimating and testing claims about proportions and means, and inferences and confidence intervals.

Financial Math
Course Length: 1.0 credit - 1 semester

Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math.

Mathematical Models with Applications
Course Length: 1.0 credit - 1 semester

Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models.

Concepts in Probability and Statistics
Course Length: 1.0 credit - 1 semester

This course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II

Science Electives

Environmental Science
Course Length: 1.0 credit - 1 semester

Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.

Trimester Required Courses (Waseca)

English/Language Arts

English 9
Course Length: 3.0 credits - Year-long

This freshman honors English course invites students to explore a variety of diverse and complex texts organized into thematic units. Students will engage in literary analysis and inferential evaluation of great texts, both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Honors students will read a range of classic texts, including Homer's The Odyssey, Shakespeare's Romeo and Juliet, Jack London's "To Build a Fire" and Richard Connell's "The Most Dangerous Game." Students will also read Sue Macy's full length nonfiction work Wheels of Change: How Women Rode the Bicycle to Freedom (With a Few Flat Tires Along the Way), and will study a variety of short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

English 9 Honors
Course Length: 3 credits - Year-long

This freshman-year English course engages students in literary analysis and inferential evaluation of great texts both classic and contemporary. While critically reading fiction, poetry, drama, and literary nonfiction, students will master comprehension and literary-analysis strategies. Interwoven in the lessons are activities that encourage students to strengthen their oral language skills and produce clear, coherent writing. Students will read a range of classic texts including Homer's The Odyssey, Shakespeare's Romeo and Juliet, and Richard Connell's "The Most Dangerous Game." They will also study short but complex texts, including influential speeches by Dr. Martin Luther King Jr., Franklin D. Roosevelt, and Ronald Reagan. Contemporary texts by Richard Preston, Julia Alvarez, and Maya Angelou round out the course.

English 10
Course Length: 3.0 credits - Year-long

Focused on application, this sophomore English course reinforces literary analysis and twenty-first century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, twenty first century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students also compose descriptive, persuasive, expository, literary analysis, research, narrative, and compare-contrast essays.

English 10 Honors
Course Length: 3.0 credits - Year-long

This sophomore-year honors English course provides engaging and rigorous lessons with a focus on academic inquiry to strengthen knowledge of language arts. Honors reading lessons require analyzing complex texts, while concise mini-lessons advance writing and research skills to craft strong, compelling essays and projects. Students will write argumentative and analytical essays based on literary texts, as well as an informative research paper using MLA style. Throughout the course, students read a range of classic and contemporary literary texts including Henrik Ibsen's A Doll's House, George Orwell's Animal Farm, and Marjane Satrapi's Persepolis. In addition to reading a wide range of literary texts, students read and analyze complex informational and argumentative texts including Sonia Sotomayor's "A Latina Judge's Voice," Niccolò Machiavelli's The Prince, and the contemporary informational text Sugar Changed the World: A Story of Magic, Spice, Slavery, Freedom, and Science.

(English/Lang Arts continued on next page)

English 11
Course Length: 3.0 credits - Year-long

This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students engage in literary analysis and inferential evaluation of great texts as the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students master comprehension and literary analysis strategies. Interwoven in the lessons are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students read a range of short but complex texts, including works by Ralph Waldo Emerson, Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

English 11 Honors
Course Length: 3.0 credits - Year-long

This junior-year honors English course invites students to delve into American literature from early American Indian voices through contemporary works. Students will engage in literary analysis and inferential evaluation of great texts, including the full length novel The Awakening by Kate Chopin. While critically reading fiction, poetry, drama, and expository nonfiction, honors students will master comprehension, use evidence to conduct in-depth literary analysis, and examine and critique how authors develop ideas in a variety of genres. Interwoven throughout the lessons are activities that encourage students to strengthen their oral language skills, research and critically analyze sources of information, and produce clear, coherent writing. To round out the course, students will read a range of short but complex texts, including Henry David Thoreau's essay "Civil Disobedience," Floyd Dell's drama King Arthur's Socks, and works by Emily Dickinson, Herman Melville, Nathaniel Hawthorne, Paul Laurence Dunbar, Martin Luther King, Jr., F. Scott Fitzgerald, Sandra Cisneros, Amy Tan, and Dave Eggers.

English 12
Course Length: 3.0 credits - Year-long

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the modern period. With interactive introductions and historical contexts, this course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors, including Chaucer, William Shakespeare, Queen Elizabeth I, Elizabeth Barrett Browning, and Virginia Woolf. Adding an extra dimension to the British literary experience, this course also exposes students to world literature, including works from India, Europe, China, and Spain.

English 12 Honors
Course Length: 1.0 credit - Year-long

This senior-year Language Arts course provides engaging and rigorous lessons with a focus on academic inquiry to strengthen your knowledge of language arts. Honors reading lessons support you in analyzing complex texts, while concise mini-lessons advance your writing and research skills to help you craft strong, compelling essays and projects. You will write argumentative and analytical essays based on literary texts, as well as an informative research paper using MLA style.

Mathematics

Algebra II
Course Length: 3.0 credits - Year-long

This course focuses on functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions to solidify a foundation for learning these new functions. Students make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies among the operations and field properties of real numbers and those of complex numbers and algebraic expressions. Mathematical practices and habits of mind are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically.

CHOOSE ONE

Algebra II Honors
Course Length: 3.o credits - Year-long

The course begins with a review of concepts that will assist students throughout the course, such as literal equations, problem solving, and word problems. Students then progress to a unit on functions where students compute operations of functions, compose of functions, and study inverses of functions. To build on their algebraic skills, students learn about complex numbers and apply them to quadratic functions via completing the square and quadratic formula methods. Next, students solve linear systems and apply their knowledge of the concept to three-by-three systems. An in-depth study on polynomial operations and functions allow students build their knowledge of polynomials algebraically and graphically. In the second semester, students study nonlinear functions. Students solve and graph rational and radical functions whereas the exponential and logarithmic functions focus on the key features and transformations of the functions. Expected value and normal distribution concepts expand and deepen students' knowledge of probability and statistics. Students also cover trigonometric functions and periodic phenomena.

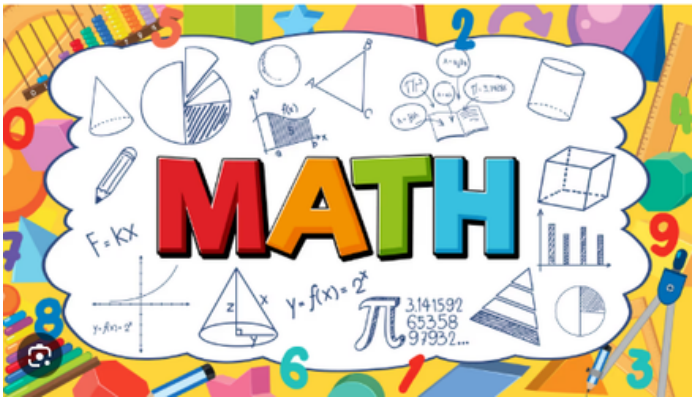
Intermediate Algebra
Course Length: 3.0 credits - Year-long

This full-year honors course introduces students to linear, exponential, and quadratic functions by interpreting, analyzing, comparing, and contrasting functions that are represented numerically, tabularly, graphically, and algebraically. Technology is utilized within some lessons to further support students in identifying key features as well as displaying images of the functions. The course builds upon the basic concepts of functions to include transformations of linear and non-linear functions. Students deepen their understanding of quantitative reasoning, piecewise functions, and quadratic functions through performance tasks. The additional performance based skills allow the honors students to apply more of the concepts taught in the course. The course concludes with students analyzing data through displays and statistical analysis.

(Math continued on next page)

Geometry
Course Length: 3.0 credits - Year-long

This course formalizes what students learned about geometry in the middle grades with a focus on reasoning and making mathematical arguments. Mathematical reasoning is introduced with a study of triangle congruency, including exposure to formal proofs and geometric constructions. Then students extend what they have learned to other essential triangle concepts, including similarity, right-triangle trigonometry, and the laws of sines and cosines. Moving on to other shapes, students justify and derive various formulas for circumference, area, and volume, as well as cross-sections of solids and rotations of two-dimensional objects. Students then make important connections between geometry and algebra, including special triangles, slopes of parallel and perpendicular lines, and parabolas in the coordinate plane, before delving into an in-depth investigation of the geometry of circles. The course closes with a study of set theory and probability, as students apply theoretical and experimental probability to make decisions informed by data analysis.



CHOOSE ONE

Geometry Honors
Course Length: 3.0 credits - Year -long

The course begins by exploring the foundational concepts of Euclidean Geometry in which students learn the terminology of geometry, measuring, proving theorems, and constructing figures. Students then expand on their knowledge of transformations and complete an assignment on identifying point symmetry as well as completing a performance task on tessellations. The course continues with an in-depth look at triangles where students prove theorems, relating congruency and similarity in terms of transformations, and connecting right triangles relationships to trigonometry. Students study set theory and apply probability through theoretical and experimental probability, two-way tables, and combinations and permutations. With lessons pertaining to quadrilaterals, students can identify the various figures based on their key features. Within the circles units, students identify angles, radii, and chords, perform a performance-based task on tangents, and then compute the circumference and area of various circles. Then students study parabolas, ellipses and hyperbolas before modeling and computing two- and three-dimensional figures.

Science

Biology
Course Length: 3.0 credits - Year-long

This course engages students in the study of life and living organisms and examines biology and biochemistry in the real world. This is a yearlong course that encompasses traditional concepts in biology and encourages exploration of new discoveries in this field of science. The components include biochemistry, cell biology, cell processes, heredity and reproduction, the evolution of life, taxonomy, human body systems, and ecology. This course includes both hands-on wet labs and virtual lab options.

CHOOSE ONE

Biology Honors
Course Length: 1.0 credit - Year-Long

This course engages students in a rigorous honors-level curriculum that emphasizes the study of life and its real-world applications. This course examines biological concepts in more depth than general biology and provides a solid foundation for collegiate-level coursework. Course components include biochemistry, cellular structures and functions, genetics and heredity, bioengineering, evolution, structures and functions of the human body, and ecology. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

Students may choose to take Chemistry OR Physics to meet the 3rd year Science requirement

Chemistry
Course Length: 3.0 credits - Year-long

This course engages students in the study of the composition, properties, changes, and interactions of matter. The course covers the basic concepts of chemistry and includes eighteen virtual laboratory experiments that encourage higher-order thinking applications, with wet lab options if preferred. The components of this course include chemistry and its methods, the composition and properties of matter, changes and interactions of matter, factors affecting the interactions of matter, electrochemistry, organic chemistry, biochemistry, nuclear chemistry, mathematical applications, and applications of chemistry in the real world.

CHOOSE ONE

Chemistry Honors
Course Length: 3.0 credits - Year-long

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes mathematical problem solving and practical applications of chemistry. Topics are examined in greater detail than general chemistry in order to prepare students for college-level coursework. Course components include atomic theory and structure, chemical bonding, states and changes of matter, chemical and redox reactions, stoichiometry, the gas laws, solutions, acids and bases, and nuclear and organic chemistry. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

(Science continued on next page)

Earth Science
Course Length: 3.0 credits - Year-long

Students enrolled in this dynamic course explore the scope of Earth sciences, covering everything from basic structure and rock formation to the incredible and volatile forces that have shaped and changed our planet. As climate change and energy conservation become increasingly prevalent in the national discourse, it will be important for students to understand the concepts and causes of our changing Earth, Earth Science is a two-semester course that provides a solid foundation for understanding the physical characteristics that make the planet Earth unique and examines how these characteristics differ among the planets of our solar system.

Physics
Course Length: 3.0 credits - Year-long

This course acquaints students with topics in classical and modern physics. The course emphasizes conceptual understanding of basic physics principles, including Newtonian mechanics, energy, thermodynamics, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students solve mathematical problems, reason abstractly, and learn to think critically about the physical world. The course also includes interactive virtual labs and hands-on lab options, in which students ask questions and create hypotheses.

CHOOSE ONE

Physics Honors
Course Length: 3.0 credits - Year-long

This rigorous full-year course provides students with an engaging honors-level curriculum that emphasizes abstract reasoning and applications of physics concepts to real-world scenarios. Topics are examined in greater detail than general physics and provide a solid foundation for collegiate-level coursework. Course components include one- and two-dimensional motion, momentum, energy and thermodynamics, harmonic motion, waves, electricity, magnetism, and nuclear and modern physics. Throughout the course, students participate in a variety of interactive and hands-on laboratory activities that enhance concept knowledge and develop scientific process skills, including scientific research and technical writing.

Social Studies

Geography (Social 9)
Course Length: 3.0 credits - Year-long

This is a year-long course that takes a thematic approach to the study of all aspects of human geography. Students in this course will discover the various elements of cultural, political, and economic geography. They will also learn more about the interconnectivity of the world's people and places and how events happening in one area can impact another part of the globe. They will also spend time learning about the physical and cultural geography of the major regions of the world, such as Africa, Asia, Oceania, Europe, Latin America, Middle East, and North America. Students will cultivat**e skills related to mapping, data analysis, and problem solving.**

Social Studies 12 (Government/Civics & Economics)
Course Length: 3.0 credits - Year-long

During this year-long course, students will develop an understanding of government structures, citizenship responsibilities and duties, and economic principles. During Trimester 1, students will learn about the various major influences that helped our Founding Fathers construct our government. They will also do an indepth analysis of the Constitution and how it sets up our different branches and outlines key rights given to citizens. Students will look at Landmark Supreme Court cases that have influenced Civil Rights in the United States as well. In Trimester 2, students will continue learning about our government and will focus more on the rights and responsibilities of citizens - looking at topics such as jury duty, voting rights, and the role of citizens and organizations in helping to advocate and influence policy. In Trimester 3, students will learn the basics of Economics, including Microeconomic and Macroeconomic principles. They will develop critical thinking skills by making practical economic choices, analyzing data, and writing responses based on scenarios, texts, activities and examples. They will conclude with a look at various personal finance principles.

World History
Course Length: 3.0 credits - Year-long

This year-long course will have students examining the major events and turning points of world history. Students will investigate the development of civilizations in the Middle East, Africa, Europe, and Asia, and they will explore the economic, political, and social revolutions that have transformed human history. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to trace ideas across multiple cultures and perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events.
Tri 1 -> Neolithic Revolution through Medieval Civilizations
Tri 2 -> New World Exploration through World War I
Tri 3 -> World War II through Modern Global Society

World History Honors
Course Length: 3.0 credits - Year-long

This year-long course will have students examining the major events and turning points of world history. Students will investigate the development of civilizations in the Middle East, Africa, Europe, and Asia, and they will explore the economic, political, and social revolutions that have transformed human history. Students will devle into various themes such as social history, democratic government, and the relationship between history and the arts to create a more indepth and comprehensive understanding of World History and the patterns that exist. Students will develop and utilize critical thinking and writing skills through the production of short answer responses and essays. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events.

(Social Studies continued on next page)

American History

Course Length: 3.0 credits - Year-long

This year-long course presents a cohesive and comprehensive overview of the history of the United States, surveying the major events and turning points of U.S. history as it moves from the early history of the nation through modern times. As students examine each era, they will analyze primary sources and carefully research events to gain a clearer understanding of the people, events, and ideas that have shaped U.S. history. In early, units students will assess the foundations of U.S. democracy while examing crucial documents. Later, students will examine territorial expansion, the Civil War, and the rise of industrialization. They will also assess the outcomes of economic trends and the connections between culture and government. As the course draws to a close, students will focus their studies on the causes of cultural and political change in the modern age. Throughout the course, students will learn the importance of cultural diversity while examing history from different perspectives.

Art

**Students may choose to take Intro to Art OR Art History to meet the Art requirement*

Introduction to Art
Course Length: 3.0 credits - Year-long

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

Art History I
Course Length: 3.0 credits - Year-long

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth-and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

Health/Phy Ed

Contemporary Health
Course Length: 1.0 credit - 1 Trimester

This high-school health offering examines and analyzes various health topics. It places alcohol use, drug use, physical fitness, healthy relationships, disease prevention, relationships and mental health in the context of the importance of creating a healthy lifestyle. Throughout the course, students examine practices and plans they can implement in order to carry out a healthy lifestyle, and the consequences they can face if they do not follow safe practices. In addition, students conduct in-depth studies in order to create mentally and emotionally healthy relationships with peers and family, as well as nutrition, sleeping, and physical fitness plans. Students also examine and analyze.

Students will need to take 2 trimesters of Phy Ed 9 and Phy Ed 10 to meet requirements

Physical Education 9A
Course Length: 1.0 credit - 1 Trimester

This trimester physical education course is designed to teach students a basic overview of flexibility, nutrition, and body composition in relation to a healthy lifestyle. Students will learn the basics of stress management and how to develop and design a basic fitness plan. In this course students research how to set healthy goals and create their own personalized fitness plan based off of those goals.

Physical Education 9B
Course Length: 1.0 credit - 1 Trimester

This trimester physical education course introduces the basic rules and tactics of team and individual sports. Students will research and learn about sportsmanship, leadership, communication, and conflict management when participating in sports. Students learn about being a consumer and making healthy choices. During this course students will dive into researching how fitness changes with age, identify lifetime activities, and potential jobs relating to fitness.

(Phy Ed continued on next page)

Physical Education 10A
Course Length: 1.0 credit - 1 Trimester

This trimester physical education course is designed to teach students an in-depth knowledge of the following health components: flexibility, nutrition, and body composition. Students will learn about healthy lifestyle choices, activities, and nutritional guidelines. Students research the topic of stress, and analyze how to design and create stress management strategies. Students will participate in learning and creating their own specific personalized fitness plan that can be utilized in real life.

Physical Education 10B
Course Length: 1.0 credit - 1 Trimester

This trimester physical education course reviews the tactics used in team and individual sports. Students will analyze conflict resolution strategies, and learn how communication impacts sport participation. Students research and identify the uses of different fitness equipment, availability of fitness centers, and future careers in the wellness and fitness field.

Bluejay Connect

Students may take Strategies for Academic Success to meet Bluejay Connect requirements

Strategies for Academic Success
Course Length: 1.0 credit - 1 Trimester

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success.

Students may take Career Readiness to meet Bluejay Connect requirements

Career Readiness
Course Length: 1.0 credit - 1 Trimester

This course serves as a prerequisite for the Work-Based Learning Option available to juniors and seniors. Designed to introduce high school students to the working world, this one-quarter course helps students develop the essential skills needed for workplace success. Students will explore career pathways aligned with their personal interests and abilities, create job search documents, and refine key soft skills such as communication, teamwork, problem-solving, and professionalism. Emphasis is placed on adaptability, responsibility, and the traits of effective employees. Throughout the course, students will complete a self-assessment profile, craft a cover letter and résumé, and build an educational or career portfolio to support their future goals.

Freshman Seminar 1.5 Credits needed

Students may take Career Planning & Development to meet Freshman seminar requiarement

Career Planning and Development
Course Length: 3.0 credits - Year-long

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

Personal Finance

This is a state requirement for all students in graduating class 2027 and beyond

Personal Finance
Course Length: 1.0 credit - 1 Trimester

This introductory finance course teaches what it takes to understand the world of finance and make informed decisions about managing finances. Students learn more about economics and become more confident in setting and researching financial goals as they develop the core skills needed to be successful. Students learn how to open bank accounts, invest money, apply for loans, apply for insurance, explore careers, manage business finances, make decisions about major purchases, and more. Students will be inspired by stories from finance professionals and individuals who have reached their financial goals.

Trimester Elective Courses (Waseca)

Agriculture, Food, Natural Resources

Animal Systems
Course Length: Trimester - 1.0 credit

Agribusiness Systems course introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Students learn about the components of the agribusiness system and how they interact to deliver food to our tables. They also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations.

Architecture & Construction

Construction Careers
Course Length: Trimester - 1.0 credit

Construction Careers course that introduces high school students to the basics of construction, building systems, engineering principles, urban planning, and sustainability. Students learn the key techniques in building all types of buildings, as well as the key individuals involved in each step of the process. Many lessons present information on green building techniques and concepts that are becoming a standard part of the construction industry. Safety practices are emphasized in several lessons because construction is one of the most dangerous industries; students learn that there is no way to be successful in construction without taking such issues seriously. Lessons in this course also explore regulatory agencies and guidelines established for protecting not only construction workers but also the occupants of a building.

Business Management & Administration

Intro to Business
Course Length: Year-long - 3.0 credits

Students learn the principles of business using real-world examples—learning what it takes to plan and launch a product or service in today's fastpaced business environment. This course covers an introduction to economics, costs and profit, and different business types. Students are introduced to techniques for managing money, personally and as a business, and taxes and credit; the basics of financing a business; how a business relates to society both locally and globally; how to identify a business opportunity; and techniques for planning, executing, and marketing a business to respond to that opportunity.

Business Information Management
Course Length: Trimester - 1.0 credit

In Business Information Management, students will develop skills needed to successfully manage information in business organizations. This course teaches them the basics of information technology, personal and interpersonal skills, word processing, using databases and creating professional presentations. Students who complete the course will be able to use these skills as they transition to postsecondary education or the workforce.

Career Planning and Development
Course Length: Year-long - 3.0 credits

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today's challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or career portfolio.

Career Readiness (Prerequisite for Work-Based Learning)
Course Length: Trimester - 1.0 credit
11 & 12 grade only

This course serves as a prerequisite for the Work-Based Learning Option available to juniors and seniors. Designed to introduce high school students to the working world, this one-quarter course helps students develop the essential skills needed for workplace success. Students will explore career pathways aligned with their personal interests and abilities, create job search documents, and refine key soft skills such as communication, teamwork, problem-solving, and professionalism. Emphasis is placed on adaptability, responsibility, and the traits of effective employees. Throughout the course, students will complete a self-assessment profile, craft a cover letter and résumé, and build an educational or career portfolio to support their future goals.

(Business continued on next page)

Small Business Entrepreneurship
Course Length: Year-long - 3.0 credits

This course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for having effective business management, financing and marketing strategies.

Work-Based Learning
Course Length: 1.0 credit Pass/Fail - 1 Trimester
(Prerequisite: Career Planning or Career Readiness)
11 & 12 Grade only

Work-Based Learning provides juniors and seniors with the opportunity to earn credit while gaining real-world work experience. Prior counseling approval and successful completion of the Career Planning & Development course are required before enrollment. Students must secure their own employment, as Owatonna Online does not arrange job placements. To earn credit, students must maintain employment throughout the quarter, log and verify hours worked, and provide a point of contact for their employer to communicate with the school. Additionally, students will be expected to demonstrate and reflect on key workplace skills as outlined by the course advisor. Work-Based Learning helps students strengthen employability skills, apply classroom knowledge in a professional setting, and build readiness for future career opportunities. This course follows a Pass/Fail grading system.

Health Science

Introduction to Health Science
Course Length: Trimester - 1.0 credit

This high school course introduces students to a variety of healthcare careers, as they develop the basic skills required in all health and medical sciences. In addition to learning the key elements of the U.S. healthcare system, students learn terminology, anatomy and physiology, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of medical emergency care. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the health care field.

Medical Terminology
Course Length: Year-long - 3.0 credits

Terminology introduces students to the structure of medical terms, plus medical abbreviations and acronyms. The course allows students to achieve comprehension of medical vocabulary appropriate to health care settings, medical procedures, pharmacology, human anatomy and physiology, and pathology. The knowledge and skills gained in this course provide students entering the healthcare field with a deeper understanding of the application of the language of health and medicine. Students are introduced to these skills through direct instruction, interactive tasks, practice assignments, and unit-level assessments.

Nursing Assistant
Course Length: 1.0 credit - Trimester

This course prepares students to provide and assist with all aspects of activities of daily living and medical care for the adult patient in hospital, longterm care, and home settings. Through direct instruction, interactive skills demonstrations, and practice assignments, students are taught the basics of nurse assisting, including interpersonal skills, medical terminology and procedures, legal and ethical responsibilities, safe and efficient work, gerontology, nutrition, emergency skills, and employability skills. Successful completion of this course from an approved program prepares the student for state certification for employment as a Certified Nursing Assistant (CNA).

(Health continued on next page)

Pharmacy Technician
Course Length: Trimester - 1.0 credit - Trimester

The course prepares students for employment as a Certified Pharmacy Technician (CPhT) and covers the skills needed for the pharmacy technician field. Through direct instruction, interactive skills demonstrations, and practice assignments, students learn the basics of pharmacy assisting, including various pharmacy calculations and measurements, pharmacy law, pharmacology, medical terminology and abbreviations, medicinal drugs, sterile techniques, USP 795 and 797 standards, maintenance of inventory, patient record systems, data processing automation in the pharmacy, and employability skills. Successful completion of this course prepares the student for national certification for employment as a CPhT.

Information Technology

Introduction to Computer Science
Course Length: Year-long - 3.0 credits

This course is available as both an elective and a CTE course. Introduction to Computer Science course designed for students in grades 9-10, although any students across 9-12 may enroll. This course introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students have creative, hands-on learning opportunities to create a computer program, a web page, design a mobile app, write algorithms, and collaborate with peers while building a strong foundational knowledge base. This course provides a solid foundation for more advanced study as well as practical skills they can use immediately.

Required Materials:
Activities in this course require that Python is installed on students' computers.

Introduction to Information Technology
Course Length: Year-long - 3.0 credits

This course introduces students to the essential technical and professional skills required in the field of Information technology (IT).

Law, Public Safety, Corrections & Security

Forensics: Using Science to Solve a Mystery
Course Length: Trimester - 1.0 credit

Forensics: Using Science to Solve a Mystery course that overviews modern-day forensic science careers at work using science concepts to collect and analyze evidence and link evidence to the crime and suspects in order to present admissible evidence in courts of law.

Science, Technology, Engineering & Mathematics

Engineering and Product Development
Course Length: Trimester - 1.0 credit

This course provides an overview of the concepts of product engineering and development. Students analyze the life cycle of a product to prepare a product for distribution and for target markets.

Other Electives

Expository Reading and Writing
Course Length: Year-long - 3.0 credits

This elective English course is designed to develop critical reading and writing skills while preparing high school students to meet the demands of college-level work. While students will explore some critical reading skills in fiction, poetry, and drama the focus of this course will be on expository and persuasive texts and the analytical reading skills that are necessary for college success. Students will read a range of short but complex texts, including works by Walt Whitman, Abraham Lincoln, Cesar Chavez, Martin Luther King Jr., Langston Hughes,

Foundations of Personal Wellness
Course Length: Year-long - 3.0 credits

Exploring a combination of health and fitness concepts, this comprehensive and cohesive course explores all aspects of wellness.

(Other electives continued on next page)

Healthy Living
Course Length: Year-long - 3.0 credits
Encouraging students to make responsible, respectful, informed, and capable decisions about topics that affect the well-being of themselves and others, this high school course provides students with comprehensive information they can use to develop healthy attitudes and behavior patterns. Available as either a semester or year-long course, this informative and engaging course encourages students to recognize that they have the power to choose healthy behaviors to reduce risks.

Introduction to Human Growth
Course Length: Trimester 1.0 credits

This course focuses on human growth and development over the lifespan, as well as careers that help people deal with various physical, intellectual, and socioemotional issues, such as physicians, nurses, nutritionists, substance abuse counselors, clergy, teachers, career counselors, psychologists, and psychiatrists. The course provides a background in human growth and development from before birth, through childhood, into adulthood, and through death and grief. It gives the student perspective and highlights where people in the caring professions are most needed. Students who take this course will come away with a broad understanding of all the careers that help people from birth to death.

Psychology
Course Length: Year-long - 3.0 credits

This course introduces high school students to the study of psychology and helps them master fundamental concepts in research, theory, and human behavior. Students analyze human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field.

Sociology
Course Length: Trimester - 1.0 credit

Human beings are complex creatures, and when we interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Examine answers to these questions and many more as you explore culture, group behavior, and societal institutions and how they affect human behavior.

Strategies for Academic Success
Course Length: Trimester - 1.0 credit

Offering a comprehensive analysis of different types of motivation, study habits, and learning styles, this one-semester course encourages high school and middle school students to take control of their learning by exploring varying strategies for success.

Arts Electives

Art History I
Course Length: Year-long - 3.0 credits

Introducing art within historical, social, geographical, political, and religious contexts for understanding art and architecture through the ages, this course offers high school students an in-depth overview of art throughout history, with lessons organized by chronological and historical order and world regions. Students enrolled in this course cover topics including early medieval and Romanesque art; art in the twelfth, thirteenth, and fourteenth centuries; fifteenth-century art in Europe; sixteenth-century art in Italy; the master artists; High Renaissance and baroque art; world art, which includes the art of Asia, Africa, the Americas, and the Pacific cultures; eighteenth-and nineteenth-century art in Europe and the Americas; and modern art in Europe and the Americas.

Introduction to Art
Course Length: Year-long - 3.0 credits

Covering art appreciation and the beginning of art history, this course encourages students to gain an understanding and appreciation of art in their everyday lives. Presented in an engaging format, Intro to Art provides an overview of many introductory themes: the definition of art, the cultural purpose of art, visual elements of art, terminology and principles of design, and two- and three-dimensional media and techniques. Tracing the history of art, high school students enrolled in the course also explore the following time periods and places: prehistoric art, art in ancient civilizations, and world art before 1400.

Languages

Introduction of Communications and Speech
Course Length: Year-long - 3.0 credits

Beginning with an introduction that builds student understanding of the elements, principles, and characteristics of human communication, this course offers fascinating insight into verbal and nonverbal messages and cultural and gender differences in the areas of listening and responding. Students enrolled in this course will be guided through engaging lectures and interactive activities, exploring themes of self-awareness and perception in communication. The course concludes with units on informative and persuasive speeches, and students are given the opportunity to critique and analyze speeches.
**Fulfills 0.5 of Language Arts Credit Requirement*

Spanish I
Course Length: Year-long - 3.0 credits

Students begin their introduction to high school Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas.

Spanish II
Course Length: Year-long - 3.0 credits
Pre-Requisite: Spanish I

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

Spanish III
Course Length: Year-long - 3.0 credits
Pre-Requisite: Spanish II

In this expanding engagement with Spanish, high school students deepen their focus on four key skills in foreign language acquisition: listening, speaking, reading, and writing. In addition, students read significant works of literature in Spanish and respond orally or in writing to these works. Continuing the pattern and building on what students encountered in the first two years, each unit consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas across the globe.

Mathematics Electives

Concepts in Probability and Statistics
Course Length: 1.0 credit - 1 semester

This course provides an alternative math credit for students who may not wish to pursue more advanced mathematics courses such as Algebra II

Financial Math
Course Length: Year-long - 3.0 credits

Connecting practical mathematical concepts to personal and business settings, this course offers informative and highly useful lessons that challenge students to gain a deeper understanding of financial math.

Mathematical Models with Applications
Course Length: Year-long - 3.0 credits

Broadening and extending the mathematical knowledge and skills acquired in Algebra I, the primary purpose of this course is to use mathematics as a tool to model real-world phenomena students may encounter daily, such as finance and exponential models.

(Math continued on next page)

Statistics
Course Length: Year-long - 3.0 credits

This fourth-year high school math option provides a comprehensive introduction to data analysis and statistics. Students begin by reviewing familiar data displays through a more sophisticated lens before diving into an in-depth study of the normal curve. They then study and apply simple linear regression and explore sampling and experimentation. Next, students review probability concepts and begin a study of random variables. Later topics also include sampling distributions, estimating and testing claims about proportions and means, and inferences and confidence intervals.

Science Electives

Environmental Science
Course Length: Year-long - 3.0 credits

Environmental science is a captivating and rapidly expanding field, and this two-semester course offers compelling lessons that cover many aspects of the field: ecology, the biosphere, land, forests and soil, water, energy and resources, and societies and policy. Through unique activities and material, high school students connect scientific theory and concepts to current, real-world dilemmas, providing them with opportunities for mastery in each of the segments throughout the semester.