East Mills

COURSE DESCRIPTIONS

2019-2020

Equal Education Opportunity:
It is the policy of the East Mills Community School District not to illegally discriminate on the basis of race, color, national origin, gender, disability, religion, creed, age (Employment only), marital status, sexual orientation, gender identity and socioeconomic status (students/program only) in its educational programs and its employment practices as required by the Iowa Code sections 216.9 and 19B.11, (Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. & 2000d and 2000c), the Equal Pay Act of 1973 (29 U.S.C. & 206, et seq.), Title IX (Educational Amendments, 20 U.S.C. & 1981 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. & 794), and the Americans with Disabilities Act (42 U.S.C. & 12101, et seq.) There is a grievance procedure for processing complaints of discrimination, if you have questions or a grievance related to this policy please contact the district's Equity Coordinator, Kelly Sutherland, Elementary Principal 58962 380 Street, Hastings, Iowa, 51540, 712-624-8700, ksutherland@emschools.org.

SUPERINTENDENT: **Tim Hood**
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SCHOOL COUNSELOR: **Kathy Linke**
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Course Catalog Table of Contents

Graduation requirements

English	8	9th - English 9 10th - English 10 Speech (1 semester - 1 credit) 11th - elective choice 12th - elective choice
Math	6	9th - Algebra Concepts OR Algebra 1 10th - Geometry Concepts OR Geometry 11th or 12th -elective choice
Science	6	9th - Physical Science 10th - Biology I 11th or 12th - Elective Choice
Social Studies	6	9th - World History 10th - Human Behavior (1 semester - 1 credit) 11th - US History 12th - Government (1 semester - 1 credit)
Computer Technology	2	9th - Intro to Computers 12th - Career Strategies (1 semester)
Core	1	12th (1 semester - 1 credit)
Humanities (Music, Art, Foreign Language)	2	9th - 12th elective choice
Physical Education	8	Per State of Iowa: Students must take PE every semester every year (120 minutes per week). This can be waived with the completion of the State of Iowa waiver form.
Electives	9	Any class which is not required as listed above
TOTAL CREDITS	**50**	

Graduation Requirements Students who are in good standing and who meet the graduation requirements set by the Board are allowed to participate in the graduation ceremony and in senior activities. It is possible that students who are serving discipline at the time of the graduation ceremony or other senior activities will not be allowed to participate. Students who have not met the graduation requirements for East Mills High School will not be allowed to participate in graduation ceremonies. Students are not required to participate in the graduation ceremony.

Graduation requirements for special education students will be in accordance with the prescribed course of study as described in their Individualized Education Program(IEP).Each student's IEP will include a statement of the projected date of graduation at least 18 months in advance of the projected date and the criteria to be used determining whether graduation will occur. Prior to the special education student's graduation, the IEP team will determine whether the graduation criteria have been met.

Grading Scale

A 97---100

A- 93---96

B+ 90---92

B 88---89

B--- 86---87

C+ 83---85

C 80---82

C-- 78---79

D+ 76---77

D 73---75

D--- 70---72

F 69 and below

High School students receiving an F in a required subject must repeat and pass the failed class in order to fulfill graduation requirements. If a student receives an F in a course that is part of a sequence, it must be repeated and passed in order to continue in that sequence.

Conversion Chart for College Transcripts

A 4.0
B 3.0
C 2.0
D 1.0

DROPPING A CLASS

Students work with the School Counselor to develop their schedules. Schedule changes will be very limited and will require administrator approval.

REPEATING CLASSES

Any student who has failed a required class at the end of a given semester is responsible for making sure that the course is repeated at a later date. The School Counselor will assist in making sure that all credits are met.

REGENT ADMISSION INDEX

Students from Iowa high schools must have a RAI of at least 245 and take the minimum number of required high school courses to qualify for automatic admission to Iowa State University, the University of Northern Iowa, and The University of Iowa - College of Liberal Arts and Sciences. Students who achieve a score of less than 245 will be considered for admission on an individual basis.

The index combines four factors that strongly predict success at regent universities: ACT test score, high school rank, high school cumulative grade-point average, and the number of completed high school core courses.

Information you will need to compute your RAI score:

ACT Score: _____
HS Rank _____
Class size: _____
Current cumulative GPA: _____
Your total number of Core Courses
(counted in year from the chart below) _____

RAI	2 x ACT Composite Score	
+	1 x HS Rank percentile	
+	20 x GPA	
+	5 x number of HS core courses	
+	Your RAI score	

www.regents.iowa.gov/RAI/index.html

RECOMMENDED COURSES:

Grade	2 or 4 year college/tech school	Military	Work force
9	English 9	English 9	English 9
10	English 10	English 10	English 10
11	English 11 / IWCC	English 11	English 11
12	College Prep / IWCC	English elective	English elective
9	Algebra I	Algebra I	Algebra I
10	Geometry	Geometry	Geometry
11	Algebra II	Algebra II	Algebra II
12	College Prep Math / Survey of Math/IWCC		
9	Physical Science	Physical Science	Physical Science
10	Biology I	Biology I	Biology I
11	A&P	Science elective	Science elective
12	Chemistry		
9	American Civics	American Civics	American Civics
10	World History	World History	World History
11	American History	American History	American History
12	Government	Government	Government
9	Spanish I	Spanish I	Spanish I
10	Spanish II		
11	Spanish III (depending on entrance requirements)		
12	Spanish IV(depending on entrance requirements)		

There are additional district course requirements for graduation: PE, Health, Computer, Fine Arts, Career Technical, Electives (refer to above table for credits required in each area)

ENGLISH - 8 credits

Course Name	Credit	Term	Grade	Required/Elective

English 9 (01001)	**2**	**Year**	9	Required
English 9 will explore a variety of texts and writing styles. Students will sharpen their reading skills as they read a variety of texts. They will also create a variety of writing pieces to correlate to the texts. Students will be expected to get up in front of the class and present throughout the year. This course involves reading, writing, and public speaking. Upon completion of this course, students will, hopefully, feel more confident with public speaking, reading skills, and writing skills.				

English 10 (01002)	**2**	**Year**	10	Required
English 10 is a two-semester course required for all sophomores. This course consists of study/assignments designed to aid students in further developing basic skills: reading, writing, speaking/listening, and language. Through wide and deep reading of literature and literary nonfiction, students will gain a reservoir of literary and cultural knowledge, references, and images; the ability to evaluate intricate arguments; and the capacity to surmount the challenges posed by complex texts. Students will have ample opportunities to prepare for and participate effectively in a range of conversations and collaborations with diverse partners. To insure students are college and career ready in language, students will demonstrate a firm control over the conventions of standard English, apply their knowledge of language to understand how language functions in different contexts, and acquire and use accurately a range of general academic and domain-specific vocabulary.				

Speech (01151)	**1**	**Semester**	10	Required
Speech will enable students to feel more confident when speaking in front of other people. Students will also hone their writing abilities as they prepare their speeches. Students will be up in front of the class every day as they answer the question of the day. They will be constructing and presenting a variety of speeches throughout the semester. This course involves reading, writing, and, of course, public speaking. Upon completion of this course, students will be able to write a speech with ease and, hopefully, feel more confident in front of an audience.				

Course Name	Credit	Term	Grade	Required/Elective
American Literature	**2**	**Year**	11 - 12	Elective
American Literature, designed for the college-bound student, is a survey of the works of prominent American writers from the colonial period to contemporary times. Students will read and comprehend complex literary and informational texts independently in order to be able to identify key ideas and details in American works of exceptional craft and thought whose range extends across genres, cultures, and centuries. The craft and structure of text selections serve as models for students' own thinking and writing. The student will integrate and evaluate knowledge and ideas presented in diverse formats and media, as well as in words. Through their writing students will demonstrate the conventions of standard English, their knowledge of language, and their acquisition of vocabulary sufficient for reading, writing, speaking, and listening at the college and career readiness level.				
English 12 (01004)	**2**	**Year**	12	Elective
English 12, recommended for college-bound students, focuses heavily upon composition. Students will take task, purpose, and audience into careful consideration as they choose words, information, structures and formats deliberately. They will also demonstrate command of the conventions of standard English grammar and usage when they compose the four major forms of discourse: persuasion, narration, description, and exposition. Students will learn to develop and strengthen writing as needed by planning, using technology, revising, editing, rewriting or trying a new approach. By reading literature and literary nonfiction students will develop a reservoir of models for their own thinking and writing. In addition they will delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence. A major research paper second semester teaches students to gather information, evaluate sources, cite material accurately and report findings from their research and analysis of sources in a clear and cogent manner. Students will acquire and use accurately a range of general academic and domain-specific words and phrases sufficient for reading, writing, speaking, and listening at the college and career readiness level.				

Course Name	Credit	Term	Grade	Required/Elective
Applied English 12 (01004)	**2**	**Year**	11-12	Elective
This course is designed to help students communicate effectively in everyday life and at the workplace. Units cover English for learning, smart shopping, independent living, personal expression, and career readiness. Students will read and comprehend both literary and workplace texts independently and proficiently in order to interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings. This reading will help students recognize key ideas and details which offer profound insights into the human condition and serve as models for students' own thinking and writing. Students will write for a range of tasks, purposes, and audiences in order to convey complex ideas and information clearly and accurately. They will strategically use technology to create and strengthen their writing and demonstrate command of the conventions of standard English. Vocabulary acquisition and use is also emphasized.				
Creative Writing (01104)	**1**	**Semester**	11-12	Elective
Creative Writing students will be creating several different pieces of writing using a variety of methods. Students will be using imagination, editing skills, and peer critique as they complete assignments. Students will be expected to meet deadlines, work together with a variety of personalities, be creative, and help out in any way possible to create great pieces. This course involves reading, writing, computer skills, creativity, and time management skills. Upon completion of this course, students will, hopefully, feel more confident with their writing skills, computer skills, and time management skills. They will also be proud of the products they created. Students will also get to experience what it takes to get a piece published.				
Novels (01053)	**1**	**Semester**	11-12	Elective
Course offers the opportunity for students to study and reflect upon the themes presented in the body of literature being presented. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the reading selection and as they understand how the work reflects society's problems and culture. Oral discussion in an integral part of literature courses, and written compositions are often required. Literature courses may survey representative works, reflect a particular genre or a specific theme, or survey works of a particular time or people.				

Course Name	Credit	Term	Grade	Required/Elective
Performing Arts (05055)	**1**	**Semester**	11 - 12	Elective
Course provides students with experience and skill development in one or more aspects of theatrical production, by allowing them to concentrate on acting and performance skills. Introductory courses explore fundamentals, while advanced courses extend and refine technique, expand students' exposure to different types of theatrical craft and traditions, and increase their participation in public productions.				

Publications (11104)	**1**	**Semester**	11 - 12	Elective
Students prepare the yearbook by gathering photos and information and create the yearbook through an online database. Students raise money by selling advertising in the community and other fundraisers as needed. They sell the yearbooks and keep track of the finances. Students also prepare the school newspaper page for local publication and compile information for the school website. Students MUST be available to take photos at after school events. They must also be willing to take time out of school or afterschool to sell advertisements and work at fundraisers.				

MATH - 6 credits

Algebra Concepts (02053)	**2**	**Year**	9	Required (or Algebra I)
Algebraic Concepts is the first of a three-year sequence of classes that allows all students an access to the mathematical practices and essential characteristics of the mathematics section of the Iowa Core Curriculum but without the symbolic notation that the college prep courses contain. Those concepts covered include the understanding of the real number system and how the properties of exponents and the use of rational and irrational numbers help solve real-life problems. Students will be expected to reason quantitatively and use units to solve problems. Much of the material in this class will be algebraic in its focus. Students will be expected to interpret the structures of expressions and then write those expressions in equivalent forms to solve problems. The student will also be able to perform arithmetic operations on polynomials, understand the relationship between zeros and factors of polynomials, use polynomial identities to solve problems, and rewrite rational expressions. Students will spend a majority of the time wording with equations. They will create equations that describe numbers or relationships. The students will also understand solving equations as a process of reasoning and be able to explain the reasoning. The solving of these equations (and inequalities) will be in both one variable and with the solving of systems of equations, more than one variable. The student will also be able to solve equations and inequalities graphically.				

Course Name	Credit	Term	Grade	Required/Elective
Algebra I (02052)	**2**	**Year**	9	Required (or Algebra Concepts)

This course includes the study of algebraic expressions. This involves the interpretation of the structure of expressions and the writing of expressions in equivalent forms to solve problems. Algebra I requires that the student learns to perform arithmetic operations on polynomials, be able to use polynomial identities to solve problems, and be able to rewrite rational expressions in different forms. It is also important to understand the relationship between zeros and factors of polynomials. The student will also create equations that describe numbers or relationships.
Students will be able to solve equations, inequalities, and systems of equations in both one and two variables. This includes: representing equations, solving equations and inequalities graphically. The student will understand the solving of equations as a process of reasoning and be able to explain the reasoning.
The student will also gain a greater understanding of the real number system by being able to extend the properties of exponents to rational exponents. Also, the properties of rational numbers will be explored. The student will reason quantitatively and use units to solve problems.

Geometry Concepts (02072)	**2**	**Year**	10	Required

Prerequisite: Algebra Concepts. Geometric Concepts is the second of the three-year sequence of classes that allows all students an access to the mathematical practices and essential characteristics of the mathematics section of the Iowa Core Curriculum but without the symbolic notation that the college prep courses contain. Those concepts covered include the understanding of the concept of congruence. This will be accomplished by experimenting with transformations in the plane and in terms of rigid motions. Students will use this concept of congruence to make geometric constructions and prove geometric theorems.
Besides congruence the students will concentrate on the idea of similarity. Students will understand similarity in terms of similarity transformations and will be able to prove theorems involving similarity. Students will also be able to define trigonometric ratios and solve problems involving right triangles.
A third basic concept will revolve around circles. The student will be able to understand and apply theorems about circles. The student will be able to find arc lengths and areas of sectors of circles. Students will also be able to integrate their algebra skills with geometry by translating between geometric description and the equation for conic sections. Also, the students will use coordinates to prove simple geometric theorems algebraically. The student will apply geometric concepts in modeling situations and use diagrams consisting of vertices and edges (vertex-edge graphs) to model and solve problems related to networks.
Finally, students will be able to use geometric concepts to help them with measurement and dimension. This will include explaining volume formulas and using them to solve problems. Also the student will be able to visualize relationships between two-dimensional and three-dimensional objects.

Course Name	Credit	Term	Grade	Required/Elective
Geometry (02072)	**2**	**Year**	10	Required

Prerequisite: Algebra. Using manipulatives, computers, and graphing calculator technology, students will develop inductive and deductive reasoning skills as they learn the fundamentals of geometry, which includes using the language and understanding the basics of proofs. Students will work in the coordinate plane to find midpoint and slope, and they will also know how to work with basic transformations and understand and apply properties related to parallel and perpendicular lines. Working with triangles, they will understand the basic properties of triangles, understand and apply real-world problems with perimeter and area, be able to prove and use triangular congruency and similarity, and understand the properties of special right triangles. Students develop and improve their spatial visualization and reasoning skills with three-dimensional figures then find surface area and volume of prisms, cylinders, pyramids, cones, and spheres. Then they explore properties of squares, rectangles, rhombuses, parallelograms, trapezoids, kites, and circles. This will include finding perimeter and area of each shape. Students will learn that two figures are similar if they have the same shape, but not necessarily the same size, which includes how to prove triangles are similar. Students will also perform operations on vectors and understand that graphs can be used to model something other than functions using vertex-edge graphs.

Algebra II (02056)	**2**	**Year**	11	Required

Prerequisite: Algebra I. Using manipulatives, computers, and graphing calculator technology, students will develop inductive and deductive reasoning skills as they learn advanced concepts in algebra. Students will understand linear equations and inequalities, quadratic equations including both graphing and solving them, the language and operations of relations and functions including patterns and simple inverses. They will also understand polynomial equations and expressions to understand and solve polynomials. They will also understand the operations of rational and radical expressions as well as absolute value. They will understand the language of systems of equations and inequalities and how to solve graphically, and algebraically by substitution and elimination. Using complex numbers and their operations on the complex plane. The students will also discover basic matrix addition, subtraction, and multiplication and their inverses. Through graphing, students visualize the inverse relationship between exponential and logarithmic functions. Exponential and logarithmic functions are also solved. The Unit Circle is explored in more depth as it connects to its use geometry and trigonometry. We finish the year exploring the basic equations of conic sections. Students model quadratic relations as they model the data both algebraically and graphically.

Course Name	Credit	Term	Grade	Required/Elective
Probability & Statistics (02201)	**1**	**Semester (1st)**	11 - 12	Elective
Prerequisite: Algebra I, Geometry, Algebra II. All segments of twenty-first century life require a basic knowledge of probability and statistics. The students will learn to summarize, represent, and interpret data on a single count or measurement variable and on two categorical and quantitative variables. The student will also interpret linear models. After interpreting the results of statistical experiments, the student will understand and evaluate these random processes underlying the experiments. The student will be able to make inferences and justify conclusions from sample surveys, experiments, and observational studies. The student will understand independence and conditional probability and then use them to interpret data and use these rules of probability to compute the probabilities of compound events in a uniform probability model. Probabilities of events will be calculated to find the expected values and then use them to solve problems. Finally, probabilities will be used to evaluate the outcomes of decisions.				
Trigonometry (02151)	**1**	**Semester (2nd)**	11 - 12	Elective
Prerequisite: Algebra I, Geometry, Algebra II. Trigonometry means literally the study of triangles. The student will be able to solve problems involving both right and oblique triangles using trigonometric ratios. The study of triangles also allows the student to represent and model vector quantities and perform operations on the vectors. These students will also be able to use the unit circle to extend the domain of trigonometric functions. The student will also be able to model periodic phenomena with trigonometric functions. The students will delight in the proving of trigonometric identities.				
Applied Math (02151)	**1**	**Semester**	11 - 12	Elective
This course reinforces general math skills and extends these skills to include some pre-algebra and algebra topics and uses these skills in a variety of practical, consumer, business, and occupational applications. Course topics typically include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, formulas, and simple equations. The students will also use the Internet to help solve real-world math problems.				

Course Name	Credit	Term	Grade	Required/Elective
Pre-Calculus (02110)	**1**	**Semester (2nd)**	11 - 12	Elective
Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematic Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.				

Functions (02103)	**1**	**Semester**	11 - 12	Elective
Prerequisite: Geometric Concepts. Function concepts is the third of the three-year sequence of classes that allows all students an access to the mathematical practices and essential characteristics of the mathematics section of the Iowa Core Curriculum but without the symbolic notation that the college prep courses contain. Those concepts include working with models, functions, and permutations. The students will collect and organize data, look at graphical models, and find the slope of a line and a line of best fit. Students will also solve and combine functions to determine real world situations dealing with finding the best possible deal. Students will also work with linear equations and slope, finding direct variation, interpreting linear functions, and explore probability. While working with linear relationships, students will graph one-variable and two-variable equations and inequalities. Students will also work with matrices. Topics will include organizing data into a matrix, identifying elements, adding, subtracting, and multiplying matrices. Using matrices to work on their skills of networking will also be beneficial to relate to the vertex-edge graphs they completed in geometric concepts. Finally the students will work with linear systems and quadratic functions and equations. While working with linear systems, they will use graphing, elimination, substitution, Cramer's rule, and matrix equations to solve systems of two or three variables. Using inequalities, the students will use linear programming to solve real world problems. While working with quadratic functions and equations, the students will know the Quadratic formula. They will compare vertex and standard forms, as well as mastering FOIL and working with complex numbers. Throughout the course students will use manipulatives, computers, graphing calculator technology, and other techniques to ensure the highest comprehension.				

SCIENCE - 6 credits

Course Name	Credit	Term	Grade	Required/Elective
Physical Science (03159)	**2**	**Year**	9	Required
Physical/earth science is a course covering the essential Iowa core concepts in physical science and earth science. The first semester will be physical science. The essential concepts will include atomic structure, structure and properties of matter, study of chemical reactions, motion and forces, conservation of energy, and interaction of energy and matter. The second semester will focus on earth science. The key concepts include energy in the earth system, geochemical cycles, origin and evolution of earth system, origin and evolution of the universe. Coursework includes lecture and lab activities.				
Biology I (03051)	**2**	**Year**	10	Required
Biology I focuses on key concepts and principles of life and life processes so that students may know, use and interpret scientific explanations of the natural world. Students will participate in learning by actively investigating: designing experiments, observing, generating and evaluating scientific evidence and explanation for topics such as the structure and function of the cell, the molecular basis of heredity, biological evolution and the interdependence of organisms.				
Biology II (03052)	**2**	**Year**	11-12	Elective
Biology II is a course that focuses on the study of life and life processes. Students will participate in learning by actively investigating: designing experiments, observing and generating and evaluating scientific evidence and explanation for topics such as biotechnology, genetics, microbiology, infectious disease, taxonomy, developmental biology and mammalogy. The impact of these topics on the human condition is stressed.				
Chemistry (03101)	**2**	**Year**	11-12	Elective
Prerequisite Algebra I. Chemistry is the study of the interaction of matter and energy. Essential concepts include atomic structure, properties of matter, chemical bonding, chemical reactions, and interactions of matter. The earth science concepts of geochemical cycles and origin and evolution of the earth system are also integrated into this course. Coursework will include lecture and lab work. A good scientific calculator is recommended.				

Course Name	Credit	Term	Grade	Required/Elective
Chemistry II (03102)	**2**	**Year**	11-12	Elective
Prerequisite Algebra I. Chemistry is the study of the interaction of matter and energy. Essential concepts include atomic structure, properties of matter, chemical bonding, chemical reactions, and interactions of matter. The earth science concepts of geochemical cycles and origin and evolution of the earth system are also integrated into this course. Coursework will include lecture and lab work. A good scientific calculator is recommended.				
Physics (03151)	**2**	**Year**	11-12	Elective
Prerequisite Trigonometry. Usually taken after a comprehensive initial study of physics, Physics—Advanced Studies courses provide instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.				
Human Physiology	**2**	**Year**	11-12	Elective
Human Physiology is designed for the college bound student with an interest in a medical or sports related career. The course provides students with a working knowledge to the human body through a detailed study of the tissues and organs of the following systems: skeletal, muscular, nervous, cardiovascular, lymphatic, respiratory, digestive, excretory, endocrine and integumentary and the diseases or disorders associated with them. Lectures, class discussion, models, demonstrations, labs and dissections are used to help students gain knowledge and understanding of these human structures and how they function.				
Entomology (03063)	**1**	**Semester**	11-12	Elective
Particular topics in Biology courses concentrate on a particular subtopic within the field of biology. Provides students with an understanding of insects, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. These courses should also help students develop and awareness and understanding of biotic communities.				

SOCIAL STUDIES - 7 credits

Course Name	Credit	Term	Grade	Required/Elective
World History (04051)	**2**	**Year**	9	Required
Study begins with the fall of the Roman Empire and the rise of the Byzantine Empire and runs through the American Revolution and the Industrial Revolution. Focus areas include: Europe, Far East, Middle East, World Religions, exploration and colonization. Upon completion of this course, students will be able to understand the role of individuals and groups within a society as promoters of change, understand the effect of economic needs and wants on individual and group decisions, understand the effects of geographic factors on historical events, understand the role of innovation, and understand cause and effect relationships in order to interpret events and issues.				

Human Behavior (04260)	**1**	**Semester**	10	Elective
Human behavior is the study of behaviors exhibited by humans, which are influenced by culture, attitudes, emotions, values, ethics, and genetics. Throughout the human behavior course, we will take a comprehensive look at the study of both sociology and psychology. Sociology examines human behavior from a group perspective rather than an individual perspective. Sociologists focus on the patterns of behavior shared by members of a group or a society. Understanding sociology helps us to make our own decisions rather than merely conforming and to question common interpretations of human social behavior. Psychology illustrates current theories and gives students the tools they need to understand themselves and the world around them. Psychology is directed towards understanding and solving problems in many different spheres of human activity. Psychologists conduct studies on disorders of the brain and nervous system to illustrate the importance of the biological bases of behavior. Upon the completion of this course, students will be able to understand the historical development of the behavioral sciences, understand the influences on individual and group decision-making, and understand the appropriate research procedures and skills of the behavioral scientist. Students will also be able to formulate opinions and understand how social statuses, social groups, and social institutions influence individual behaviors.				

US History (04101)	**2**	**Year**	11	Required
From Reconstruction to present day, US History gives a broad interdependent look at the United States. Major topics include Reconstruction, Second Industrial Revolution and consequences, Great Depression, World War I, World War II, Korean and Vietnam Wars. Students will also be focusing on the cause and effect of historical thinking skills in order to interpret historical events and issues.				

US Government (04151)	**1**	**Semester**	12	Required
This course focuses on the role of government in the United States and the world. Major concepts include a study of the US Constitution, government organization, political parties and major political movements throughout history. Students will use a variety of methods to determine party preference and will actively participate in School Board and City Council meetings. Students will understand how the government established by the Constitution embodies the enduring principles and values of democracy and republicanism and how political action can impact local, state and national governance.				

Geography (04001)	**2**	**Year**	9-12	Elective
The first nine weeks will focus on general geographic principles and fundamental themes – landscapes, forces that change the earth, climate and demographics. Students will then choose a specific region to study in-depth the second nine weeks. This course will utilize the World Geography textbook by Richard G. Boehm Ph.D. Upon completion of this course, students will be able to understand the use of geographic tools to locate and analyze information, understand how physical and human characteristics create and define regions, understand how human factors affect the development of society and the movement of populations, understand how human actions modify the environment and how the environment affects humans, understand how culture affects the interaction of human populations, and understand how cultural factors influence the design of human communities.				

Current Events (04106)	**1**	**Semester**	11-12	Elective
Students will study political, economic, and social issues facing the U.S. and world. Course may examine selected issues throughout the 20th century, and look at historical causes or possible solutions. Course may also examine state and local issues.				

HUMANITIES - 2 credits
(music OR art OR foreign language)

Course Name	Credit	Term	Grade	Required/Elective
High School Band (05101)	**2**	**Year**	9-12	Elective
Band develops students' technique for playing brass, woodwind, and percussion instruments and cover cover a variety of nonspecific band literature styles (concert, marching, and modern stylers). This course allows students to acquire a basic appreciation for fine musical literature. Emphasis is placed on performance techniques through solo and group participation. The band program includes: marching, concert and pep band experiences. Performances include parades, home concerts, solo and small group contests, large group contests, and special honor bands. This class meets every day. Lettering for this activity requires the completion of 2 semesters, participation in required events/performances, and maintain a grade of 90% or higher in the class. There are always opportunities to audition and perform for Corner Conference Honor Band, Southwest Iowa Bandmaster Association Honor band, Northwest Missouri State University 4-State Honor Band, All-State, clinics, and many other honor groups.				
High School Choir (05110)	**2**	**Year**	9-12	Elective
Choir provides the opportunity to sing a variety of choral literature styles. Designed to develop vocal techniques and the ability to sing parts. This course is designed to continue to the growth of the student's vocal knowledge and his/her knowledge of music and musical literate. The music repertoire for this class will contain secular and sacred pieces to be studied on a musical basis only. Emphasis will be on singing three-four part literate to be performed at various concerts throughout the school year. Student will also study music fundamentals and music history. This class meets daily. Lettering for this activity requires the completion of 2 semesters, participation in required events, and maintain a grade of 90% or higher in the class. There are always opportunities to audition and perform for Northwest Missouri State University 4-State Honor Choir, All-State, clinics, and many other honor groups.				
Art I	**2**	**YEAR**	**9 - 12**	**Elective**
Courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.				

Course Name	Credit	Term	Grade	Required/Elective

Art II	2	YEAR	10 - 12	Elective
Courses provide students with knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.				

Spanish I (06101)	2	Year	9-12	Elective
This is the introductory course to the Spanish language. It will help the students to have an elementary level of written and oral language as well as an appreciation of a different culture. Grammar and vocabulary will be emphasized through the four basic linguistics skills (listening, speaking, reading and writing). Some topics covered in this course include: classroom expressions, exchange greetings and introductions, express likes and dislikes, talk about the calendar, time and weather, express their emotions, present tense verbs, ser and estar, holidays and cultural aspects. This class is offered in person and via ICN.				

Spanish II (06102)	2	Year	10-12	Elective
Prerequisite: Spanish I. This course gives students the opportunity to use what they learned in Spanish I. It emphasizes the oral Spanish language and increased vocabulary. It includes more complex grammar and the study of the countries and capitals of Spanish speaking countries. Topics covered in this course include: pronouns, command, prepositions, describe people, places, things, present and past tense verbs, holidays and cultural aspects. **Prerequisite: Spanish I.**				

Spanish III (06013)	2	Year	11-12	Elective
Prerequisite: Spanish II. This course is designed for students to use what they acquired in both Spanish I and II. It will further Spanish oral and written skills as well as expose the students to more of Hispanic culture. Topics covered in this course include: vocabulary not covered in the first two years, present and past tenses, imperfect, subjunctive, possessions, comparisons, holidays and cultural aspects. **Prerequisite: Spanish I and II.** (can be taken for college credit)				

Spanish IV (06104)	2	Year	11-12	Elective
Prerequisite: Spanish III. This class is open to any high school senior who has completed Spanish I, II and Spanish III. It emphasizes the oral Spanish language and increased vocabulary. Cultural projects are emphasized. (can be taken for college credit)				

VOCATIONAL - 3 credits
(business, computer, ag, fcs)

Course Name	Credit	Term	Grade	Required/Elective
Computer Technology (10004	**2**	**Year**	**9**	**Required**
This course introduces the student to the computer systems used at East Mills High School. Students will focus on technology literacy. They will demonstrate creative thinking and knowledge in developing products using technology. They will apply digital tools to gather and use information. Students will demonstrate a solid understanding of technology concepts in the following areas: word processing, spreadsheets, presentations, and other computer applications. Students will focus on employability skills.				
Computer Technology II	**2**	**Year**	**10-12**	**Elective**
Prerequisite: Computer Tech I. Computer Technology II focuses on technology literacy and employability skills. Students will develop innovative products and work collaboratively to support individual learning and contribute to the learning of others. Students should be familiar with the standard keyboard. Computer Technology II is an expansion on Computer Technology I skills.				
Computer Technology III	**1**	**Semester**	**11-12**	**Elective**
Prerequisite: Computer Tech I, II. Computer Technology II focuses on technology literacy and employability skills. Students will develop innovative products and work collaboratively to support individual learning and contribute to the learning of others. Students should be familiar with the standard keyboard. Computer Technology II is an expansion on Computer Technology I skills.				
CORE (22152)	**1**	**Semester**	**12**	**Required**
The first section of the course will focus on financial literacy. When this section is completed, the students will be able to demonstrate financial responsibility and planning skills to achieve financial goals for a lifetime of financial health. The second section of the course will consist of creating a personal portfolio which will include but will not be limited to the creation of a cover letter, resume, reference sheet, and job interviewing. Through the development of these items, students will collaborate to achieve productive outcomes and demonstrate productivity and accountability by meeting high expectations. The students will use creative thinking, construct knowledge, and develop products using technology to work collaboratively. The last section will focus on helping the students discover their interest and their strengths. They will research information to find careers that fit them and establish plans that will help them reach their career goals.				

Course Name	Credit	Term	Grade	Required/Elective
Accounting I (12104)	**2**	**Year**	**11-12**	**Elective**
This course introduces students to the accounting cycle of a service business organized as a sole-proprietorship and a merchandising business organized as a partnership. Students will record business transactions and prepare financial statements and complete the steps of the accounting cycle. Students will focus on employability skills and financial literacy.				
Accounting II (12104)	**2**	**Year**	**11-12**	**Elective**
Prerequisite: Accounting I. This course further develops students' understanding of the fundamentals of accounting by having them examine each component of the accounting cycle, with an emphasis on a merchandising business organized as a corporation. Students will focus on employability skills and financial literacy.				
Intro to AG (18001)	**2**	**Year**	**9-12**	**Elective**
Intro to AG courses survey a wide array of topics within the ag industry, exposing students to the many and varied types of ag and career opportunities and those in related fields. These courses serve to introduce students to the ag field, providing them an opportunity to identify an area for continued study or to determine that their interest lies elsewhere. These courses often focus on developing communication skills, scientific research, types of business ownership business principles, and leadership skills.				
AG Structures/Carpentry (18403)	**2**	**Year**	**9-12**	**Elective**
Students who complete Agriculture Carpentry will be able to identify and demonstrate the safe use and maintenance of hand and power tools that are used in building and construction. Students will be proficient in identifying and using proper materials to meet standards in carpentry. Students will be expected to work productively as an individual and as part of a group, meet high expectations, and demonstrate initiative and self-direction. Students will also be responsible for learning to adapt to various roles, learn from mistakes and accept feedback, carry out tasks and continuously monitor success of a project. Students will be able to explain the basic process of photosynthesis and its importance to life on earth, identify and explain environmental and safety concerns about the food supply, and explain techniques and procedures for the safe handling of food products. Students will learn how to budget resources, as applied to the AFNR business, including capital, human, financial, and time. Students will explore various career interests and options in this field.				

Course Name	Credit	Term	Grade	Required/Elective

AG Mechanics & Equipment(18402)	**2**	**Year**	**9-12**	**Elective**
Students who complete Agriculture Mechanics will be able to demonstrate competency in areas of plumbing, electrical wiring, concrete, hydraulics, and small gas engines. Students will also be able to proficiently engineer and develop mechanical systems and do so working independently or as part of a team. Students will learn from mistakes and accept feedback , carry out multiple tasks while continuously monitoring the success of a project, and identify ways to improve projects. Students will maintain production and agribusiness records and identify financial concepts associated with production and profit. Students will be able to identify renewable and nonrenewable energy sources and pathways of delivery. Students will identify and demonstrate safe use and maintenance of tools. Students will explore various career interests and options in this field.				

AG3 - Metal Fabrication (18201)	**2**	**Year**	**9-12**	**Elective**
Students who complete Agriculture Welding will be able to demonstrate competency in the safe use and maintenance of material and hand and power tools to be used in welding. Students will be able to demonstrate skills meeting recognized standards in welding. Students will be expected to work productively, be accountable to meet high expectations, and demonstrate initiative and self-direction while exploring ways individual talents and skills can be used for productive outcomes in personal and professional life. Students will work productively in groups as well as independently. Students will explore various career interests and options in this field.				

AG Mechanics Advanced (18405)	**2**	**Year**	**11-12**	**Elective**
Prerequisite: Teacher approval. Course examines specific topics related to agriculture mechanics and construction, such as vehicles or structures, rather than provide a general study.				

FFA To be a member of the FFA, you must be in at least one semester of ag, per year

Course Name	Credit	Term	Grade	Required/Elective
Foods 1 (16054)	**1**	**Semester**	**9-12**	**Elective**
Students will develop skills to enable them to make the best judgment in food planning, purchasing, and preparation. The students will learn healthful lifelong eating patterns, principles, and techniques of food preparation, food storage and care, time management, and meal planning. Students are expected to complete all classroom assignments, participate in labs and activities, and achieve a passing grade on quizzes and tests. A cumulative exam will be given at the end of the semester. Students will be expected to work individually and in groups cooperatively and collaboratively.				
Foods 2 (16054)	**1**	**Semester**	**9-12**	**Elective**
This course provides an opportunity for the student to prepare and serve basic foods with an emphasis on good nutrition, meal planning, preparation techniques and food safety. The course is an excellent experience for those with limited food preparation skills, as well as students who know their way around the kitchen. Through lab experiences students will study units including, baking, milk, eggs, soups, fruits, vegetables, stir-fries, pasta and desserts. Students are expected to complete all classroom assignments, participate in labs and activities, and achieve a passing grade on quizzes and tests. Students will be expected to work individually and in groups cooperatively and collaboratively. Students will complete an independent project at the end of the semester.				
Foods 3 (16054)	**1**	**Semester**	**9-12**	**Elective**
Students will prepare foods from around the world and regional American foods. Other areas of study include yeast breads, soups, salads, cakes, meat, and poultry recipes. Students will study food preparation skills such as food safety and preparation techniques within the framework of cultural foods and tradition. Students are expected to complete all classroom assignments, participate in labs and activities, and achieve a passing grade on quizzes and tests. Students will be expected to work individually and in groups cooperatively and collaboratively. Students will complete a cultural project at the end of the semester that relates to their own family heritage.				

Course Name	Credit	Term	Grade	Required/Elective
Culinary (16056)	**1**	**Semester**	**9-12**	**Elective**
Quantity food preparation for groups of people in a commercial setting is studied as well as careers in the food industry. Students will learn skills in quantity food preparation, food safety, equipment safety, commercial equipment, serving, menu development and food costing. Students are expected to complete all classroom assignments, participate in labs and activities, and achieve a passing grade on quizzes and tests. Students will be expected to work individually and in groups cooperatively and collaboratively. Students will prepare and be evaluated on a group meal at the conclusion of the semester.				

PHYSICAL EDUCATION
8 credits

Course Name	Credit	Term	Grade	Required/Elective
Physical Education (08001)	**2**	**YEAR**	**9 - 12**	**Required Each semester**
c				
Weights (08009)	**2**	**YEAR**	**11**	**Required**
This course is designed to develop individual strength and speed through a variety of exercises and agility drills. These activities engage students to maintain appropriate levels of cardiovascular endurances, muscular strength/flexibility, and body composition. Students are assessed and monitored periodically by max lifts to determine current physical health and fitness goals.				
Health (08051)	**2**	**YEAR**	**10-12**	**Elective**
Health Education Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.				

ELECTIVES - 9 credits

Electives are any class which is not required or is not counted towards core credit requirements

SENIOR YEAR PLUS
(SYP)

Student eligibility: must meet criteria of institution including test scores and course prerequisites. In order to participate in the program, students must have demonstrated proficiency in reading, math and science as evidenced by achievement scores in Iowa Assessments.

Students may not be enrolled full time in any one institution. Full time is defined as 24 or more credits in one academic year - or 12 credits in a semester. In other words, students can take a maximum of 11 credits per semester.

East Mills is in a concurrent agreement with Iowa Western Community College. Contracted courses are specified and students may only take those classes. Only the school board can approve a course outside of the contracted courses.

Students are responsible to complete paperwork and the course registration.
Iwcc.edu - >current student - > search for courses
Select term>select subject>select location (online)
Submit
Available courses will show up - you can click on the section name/title for description

Students should carefully choose when selecting a course. It is recommended that students research a college of interest and also research the courses required in the college major of interest. Meaning if a student is interested in attending Northwest Missouri State University the student should research the academic majors and minors offered. The student should then specifically research those majors/minors of interest to see what the plan of study (courses required) is. Identify which SYP classes would transfer to meet the NWMSU requirement. Taking a SYP course just to take one will probably not be of benefit in the long term.

REMEMBER: Students participating in the program are taking college courses. This means that they are beginning or adding to their college transcript. Low or failing grades could affect future financial aid eligibility, athletic eligibility, GPA, and or class rank.

Senior Year Plus: students must drop within 5 days of starting a class. This ensures the ability to be enrolled in a high school class, as students must be enrolled in 8 classes per day - no study halls are offered.

Students are given dual credit - meaning that they receive both college and high school credit . Each college class will be given 1 high school credit. The college credit is designated by the college and can range from 2 - 4 credits per class.