

Milford

Junior High

Course Descriptions

2023-2024



MILFORD
PUBLIC SCHOOLS

**EVERYONE HAS A STORY...
MAKE YOURS WORTH TELLING.**

JUNIOR HIGH CLASS OFFERINGS

<u>AREA OF STUDY</u>	<u>COURSES</u>	<u>LENGTH OF CLASS</u>
English 7	710	2 semesters-required
English 8	810	2 semesters-required
Reading 7	712	1 semester-required
Reading 8	812	1 semester-required

Math 7	730	2 semesters-required
Pre Algebra 8	830	2 semesters-required
(Or)		
Algebra 8	831	2 semesters-required

Science 7	750	2 semesters-required
Science 8	851	2 semesters-required

Social Studies 7	760	2 semesters-required
Social Studies 8	860	2 semesters-required

Health 7	742	required as a 7th grader
PE 7	741	required as a 7th grader
PE 8	841	required as an 8th grader
Careers 8	820	required as an 8th grader
Art 7	770	
Art 8	870	
World of Construction 7	780	
Computer Applications 7	790	required as a 7th grader
Industrial Technology 8	880	
Family & Consumer Sciences 7	794	
Family & Consumer Sciences 8	894	
Agriculture Education 8	881	
Junior High Band	871	Band and/or Vocal required
Junior High Vocal Music	872	Band and/or Vocal required

ALL 7th and 8th grade students will have 8 class periods scheduled.

NONDISCRIMINATION: Milford Public Schools does not discriminate on the basis of race, color, national origin, sex, disability, marital status, or age in admission or access to, or treatment of employment in, its programs or activities.

It is the intent of Milford Public Schools to comply with both the letter and the spirit of the law in making certain discrimination does not exist in its policies, regulations and operations. Grievance procedures have been established for anyone who feels discrimination has been shown by Milford Public Schools.

Inquiries regarding grievance procedures or the application of these policies of nondiscrimination can be obtained by contacting the Superintendent of Milford Public Schools at 761-3321.

7TH GRADE CLASSES

I. LANGUAGE ARTS

Course Title: English 7 710

Course Length: 2 semesters

This class is designed to assist students in developing crucial communication skills -- reading, writing, speaking, and listening that they can apply in everyday life. Students will also study some of the various genres of literature, practicing interpreting, analyzing, and discussing the various implications of the particular work. The course will also emphasize writing and vocabulary. When the opportunity arises, communication skills will be integrated with other academic areas and will utilize computer skills.

Course Title: Reading 7 712

Course Length: 1 semester

This course studies the reading process and works on improving all readers in the areas of fluency, decoding, rate, vocabulary, and all levels of comprehension. The students will read mostly nonfiction articles and some fictional short stories as well as explore text structure and author's purpose to enhance reading comprehension. Strategies will be learned to improve reading comprehension that can be applied to all subject areas.

II. MATHEMATICS

Course Title: Math 7 730

Course Length: 2 semesters

This course is basically divided into three parts. The first part deals with operations and whole numbers. The second part deals with geometry. The third part deals with operations with rational numbers.

III. PERSONAL HEALTH/PHYSICAL FITNESS

Course Title: Physical Education 7 741

Course Length: 1 semester

Physical Education units include: soccer, volleyball, basketball, weight training, softball, track & field, badminton and physical fitness training and testing.

Course Title: Health 7 742

Course Length: 1 semester

Health Topics include: Tobacco Prevention, Nutrition, Exercise, Healthy Relationships, Goal Setting, Media Analysis and Social Health

IV. SCIENCE

Course Title: Science 7 750

Course Length: 2 semesters

Science 7 is an integrated science course with units that explore chemistry, biology, and earth science. The beginning of the year starts with an introduction to chemistry where students learn about matter, elements, the periodic table, and chemical reactions. The middle of the year includes two biology units in which students learn about photosynthesis, cellular respiration, and ecosystems. The course concludes with an earth science unit focusing on the systems of earth and how they work together.

V. SOCIAL STUDIES

Course Title: Social Studies 7 760

Course Length: 2 semesters

Seventh grade social studies is a chronological study of World History from ancient civilization (3000 B.C.) to the Renaissance (A.D. 1600). Geography of the world will also be emphasized.

VI. VISUAL AND PERFORMING ARTS

Course Title: Art 7 770

Course Length: 1 semester

This course will introduce 7th graders to a variety of art media including oil pastels, tempera, paper making, pencil, and clay. Emphasis will be placed upon each project's relationship to the elements of art: line, color, value, texture, and shape. Famous artists and art history will be presented as they apply to the current project. Quizzes will be given.

Course Title: Instrumental Music 871

Course Length: 2 semesters

Junior High Band is open to any student who has had prior experience on his or her instrument. These experiences can either be from elementary band or at least one semester of applied lessons from a qualified music instructor. It is then up to the discretion of the instructor if that student is qualified to be in band. Activities may include marching band, concert band, small ensembles, and solos.

VI. VISUAL AND PERFORMING ARTS con't

Course Title: Junior High Vocal Music 872

Course Length: 2 semesters

In order to participate in the JH Musical students MUST be enrolled in JH Vocal Music. Students in chorus will spend most of their time singing and learning proper singing techniques. Students in chorus will be exposed to music of various styles, languages, and time periods as they work in class to prepare for concerts, contests and musical performances. Students are required to attend performances outside of the regular school day. Participation in performances is required for a passing grade. Excused absences are only those of extreme emergency and will be determined by the director. Students may also have the option of participating in solos, small groups, and auditions for honor choirs.

VII. CAREER AND TECHNICAL EDUCATION

Course Title: World of Construction 7 780

Course Length: 1 semester

Equipment: Safety Glasses

The World of Construction is an exploratory course dealing with the construction trades. Students will build model bridges and a model house or shed using math, reading, and problem solving skills. Students will learn to use architect scales and learn proper construction techniques.

Course Title: Family & Consumer Sciences 7 794

Course Length: 1 semester

This course is a basic introduction to all areas of Family and Consumer Sciences for personal and career development. Through performance-based learning, the following topics will be covered: career development through FACS, family strengths, interpersonal relationships, food preparation, nutrition, adulting (finances & self care), fashion design, interior design, & child development. Family, Career, and Community Leaders of America (FCCLA) Career activities, resources, and leadership experiences will be integrated into the class.

Course Title: Computer Applications 7 790

Course Length: 1 semester, Required

COUNTS TOWARDS HIGH SCHOOL INFORMATION TECHNOLOGY CREDIT, GPA, AND CLASS RANK

This course is designed to emphasize digital citizenship, basic computer operations, word processing applications, spreadsheet applications, presentation applications, and technology communication tools. Students will primarily be using Google Apps for Education tools to compose, create, edit, and format word processing documents; organize and manipulate data in a spreadsheet; and prepare a formal presentation. Finally, students will continue to master keyboarding skills.

8TH GRADE CLASSES

I. LANGUAGE ARTS

Course Title: English 8 810

Course Length: 2 semesters

This class will continue to build on those crucial communication skills students have learned and practiced in elementary and in seventh grade -- reading, writing, speaking, and listening. In the study of literature students will concentrate on the novel as a literary genre. English 810 will also emphasize vocabulary, key elements of writing, and will work on practical applications of written communications. When the opportunity arises, communication skills will be integrated with other academic areas and technology will be used.

Course Title: Reading 8 812

Course Length: 1 semester

This course builds on the reading process that was developed in 7th grade and works on improving all readers in the areas of fluency, decoding, rate, vocabulary, and all levels of comprehension. There will be a review of the author's purpose, text structure, and summarizing as well as reading more difficult nonfiction texts, both fiction and nonfiction.

II. MATHEMATICS

Course Title: Pre-Algebra 8 830

Course Length: 2 semesters

8th grade Pre-Algebra is a culmination of mathematical fundamentals prior to entering upper level math. Students review and reinforce operations with rational numbers. Conceptual knowledge is deepened through exposure to applications such as equations, proportions, and inequalities. The second half of the course introduces concepts in the areas of Geometry, Linear Graphing, Probability and Statistics, as well as Algebraic Concepts of functions and polynomials.

Course Title: Algebra 8 831

Course Length: 2 semesters

Prerequisite: Pre-Algebra, exceeding district and state Math assessment scores, or instructor's permission

COUNTS TOWARDS HIGH SCHOOL CREDIT, GPA, AND CLASS RANK

The focus of this course is the Algebra processes. It is designed to review, use and expand on previous learned math concepts in a structured problem solving process. Students will master math operations with both positive and negative real numbers, solving linear equations, solving linear inequalities, graphing linear equations, multiplying and factoring polynomials. Students will also work with quadratic equations.

III. PERSONAL HEALTH/PHYSICAL FITNESS

Course Title: Physical Education 8 841

Course Length: 1 semester

COUNTS TOWARDS HIGH SCHOOL CREDIT, GPA, AND CLASS RANK

Physical Education units include: flag football, soccer, volleyball, physical fitness training and testing, basketball, softball, badminton, speedaway, and weight training.

Course Title: Health 8 842

Course Length: 1 semester

Health Topics include: Mental Disorders, Sexually Transmitted Disease, Human Reproduction, Aging and Death, Stress Management, Infectious & Non-Infectious Diseases, Pregnancy & Childbirth, Refusal & Negotiation Skills, Alcohol and other Drug Education.

IV. SCIENCE

Course Title: Science 8 851

Course Length: 2 semesters

Science 8 is an integrated science course with units that explore physics, biology, and space science. The beginning of the year starts with an introduction to forces and motion, waves, and energy. During the middle of the year, students will explore genetics, heredity, and adaptations. The course concludes with a unit in space science in which students learn about the sun-earth-moon system, gravity, and the scale properties of objects in space.

V. SOCIAL STUDIES

Course Title: Social Studies 860

Course Length: 2 semesters

Eighth grade social studies is a chronological study of American History and Nebraska History from the Pre-Columbus period through Reconstruction. Geography of the United States and Nebraska will also be emphasized.

VI. VISUAL AND PERFORMING ARTS

Course Title: Art 8 870

Course Length: 1 semester

In this course, 8th graders will study various methods and art media through projects based on the principles of art such as contrast, emphasis, proportion, and transition. Special attention will be given to figure and still-life drawing. Also included are printmaking, tempera painting, watercolor painting, and art history.

Course Title: Instrumental Music 871

Course Length: 2 semesters

Junior High Band is open to any student in grades 7 and 8 who has had prior experience on his or her instrument. These experiences can either be from an elementary band or at least one semester of applied lessons from a qualified music instructor. It is then up to the discretion of the instructor if that student is qualified to be in band. Activities may include marching band, concert band, small ensembles, and solos.

Course Title: Junior High Vocal Music 872

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VII. CAREER AND TECHNICAL EDUCATION

Course Title: Careers 8 820

Course Length: 1 semester, required

Careers 8 coursework will expose students to the 16 Career Clusters and Nebraska Career Connections tools. Students will explore required personal skill sets employers are looking for and high school coursework to assist them in choosing possible career pathways for college, military, or employment opportunities.

Course Title: Industrial Technology 8 880

Course Length: 1 semester

Industrial technology is an 8th grade exploratory course with hands-on experience with a CNC router and woodworking power tools. Students will learn about the four areas of Industrial Technology Education: Construction, Communication, Manufacturing, and Transportation. Such projects as CO2 race cars, towers, water rockets will be made during this semester. Problem-solving skills along with math and science will be used during this course.

Course Title: Agriculture Education 8 881

Course Length: 1 semester

Students will be introduced to Ag science including: horticulture, small animals, marketing, plant science, animal science, management careers, natural resources and wildlife education, and leadership skills. Students will also complete a Nebraska Hunters Education course and receive their certificate during the course.

Course Title: Family & Consumer Sciences 8 894

Course Length: 1 semester

This course expands on knowledge & experiences in all areas of Family and Consumer Sciences for personal and career development. Through performance-based learning, students will develop and apply principles of entrepreneurship towards the technical skill areas of nutrition & food preparation, interior & fashion design, & child development. Unique to this course, students will complete the Tower Garden Project-Based Learning Experience. Family, Career, and Community Leaders of America (FCCLA) Career activities, resources, and leadership experiences will be integrated into the class.