

Milford

Junior High

Course Descriptions

2020-2021



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

Life Science 7	750	2 semesters-required
Physical 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
Health 8	842	required as an 8th grader
PE 8	841	required as an 8th grader
Art 7	770	
Art 8	870	
World of Construction 7	780	
Industrial Technology 8	880	
Everyday Living 7	793	
Teen Living 8	893	
Agriculture Education 8	881	
Junior High Band	871	
Junior High Vocal Music	872	

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

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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 genre 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 writing from the four types of genre as well as explore text structure and organizational patterns to enhance reading comprehension.

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: Life Science 7 750

Course Length: 2 semesters

Life Science is an introductory course in biology. Students will learn about cells, their structure and function, the classification system, the human body, and plants. Students will finish the year with ecology. This course is basic to the study of life and designed to allow the students to learn through lecture, demonstration, and labs.

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, contest 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 architects scales and learn proper construction techniques.

Course Title: Everyday Living 7 793

Course Length: 1 semester

This course is designed to be comprehensive in nature, covering all areas of family and consumer science: food and nutrition, fashion, art design and principles, interpersonal relationships, housing, laboratory skills, and babysitting basics with preschool. During the semester, the student will construct a pillow and learn food preparation in fruits, milk, breakfasts, and snacks. Students will master technical reading, measurement, sanitation and safety skills in the lab/classroom.

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 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 writing from the four types of genre as well as explore text structure and organizational patterns to enhance reading comprehension.

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 previously 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

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: Physical Science 8 851

Course Length: 2 semesters

This course is a basic introduction to the Physical Sciences as well as Technology and Engineering. Topics covered are Forces & Energy, Sound & Light, and beginning Chemistry. Students will explore the natural world through the eyes of physicists and chemists while also studying topics such as Newton's Laws of Motion and the makeup of subatomic particles. Basic math and algebra will be used in this course.

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

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Course Title: Junior High Vocal Music 872

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VII. CAREER AND TECHNICAL EDUCATION

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. Student 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: Teen Living 8 893

Course Length: 1 semester

The course is designed to be comprehensive in nature, covering all areas of family and consumer science: food and nutrition, fashion, art design and principles, interpersonal relationships, housing, laboratory skills, and babysitting basics with preschool. During the semester the student will construct boxer shorts and learn food preparation in protein, breads, and foreign foods. Students will master technical reading, measurement, sanitation and safety skills in the lab/classroom.