

## Hemingford Jr. High School Course Offerings and Outlines

### **Agriculture**

#### Agriculture Education/ Jr. High

**Required Course**  
**Recommended Prerequisites(s):**  
**Course Description:**

Seventh and Eighth Grade Course- Nine week rotation. The 7<sup>th</sup> grade course is designed to build leadership skills to prepare the student for success in high school and life. The curriculum includes the study of the theory of leadership, personal attributes, such as interpersonal relationship skills and value systems, as they relate to leadership, individual and group leadership skills, and leadership skills and responsibilities necessary for obtaining and advancing in a career. Students will be introduced to shop safety and some shop tools through classroom instruction and building a small shop project. The 8<sup>th</sup> grade is an extension of the Ag 7 class. It is designed to give students an understanding of what is offered in the high school agricultural curriculum. The course contains instruction in the areas of leadership, shop skills and career research. Some instruction will be provided in the areas of plant and animal science. The skills taught in the shop will be of a more advanced nature than those taught in the Ag 7 class.

### **Business**

#### Business {7<sup>th</sup> Grade}

**Required Course**  
**Recommended Prerequisite(s)**  
**Course Description:**

Having a checking account is part of the American way. As a 7<sup>th</sup> grader, you are ready to have your own account, maintain the books, and keep a positive balance. That is, if your parents allow it! This 9 weeks class is designed to review basic math skills such as changing percentages to decimals, multiplying percents, figure interest, and spreadsheet commands. You will learn more about various accounts, how to open an account and how to write checks, deposit slips and keep track of end of the month bank statements and reconciling your account. Then you will complete a hypothetical two months worth of transactions of spending and receiving money along the way!

Math skills, basic computer skills and your LAN account are a must!

#### Business {8<sup>th</sup> Grade}

**Required Course**  
**Recommended Prerequisite(s)** 7<sup>th</sup> grade business  
**Course Description:**

Every person at every age has to deal with money. We all have to plan how we are going to earn money and what we are going to do with it when we get it. This 9 weeks course is designed to simulate the creation of budgets. A budget is a plan how to spend and save money. For this class you will be responsible for setting up three various budgets for a single person, a divorced parent with a child, and a married couple. The idea is to set up their budgets and then try to stick with them!

Math skills, basic computer skills and your LAN account are a must!

#### Keyboarding/Computers {7<sup>th</sup> and 8<sup>th</sup> Grade Level}

**Required Course**  
**Recommended Prerequisite(s)**  
**Course Description:**

In this class, students will complete a five-minute warm-up at the beginning of class each day in order to work at maintaining good technique at the keyboard. The remainder of each class period is devoted to learning the basics of various software programs. Seventh grade works with PowerPoint and Publisher while 8<sup>th</sup> grade works with Word and Excel.

## **English**

### **English 7**

**Required Course**  
**10 credits      5 each semester**  
**Recommended Prerequisite(s)**  
**Course Description:**

English 7 will focus on grammar and the six traits of writing with emphasis on narrative and descriptive writing. Students in English 7 will also be introduced to the elements of a novel, MLA style research, public speaking strategies, and various genres in literature.

### **English 8**

**Required Course**  
**10 credits      5 each semester**  
**Recommended Prerequisite(s)    English 7**  
**Course Description:**

English 8 will include the study of elements of a novel, six traits of writing with emphasis on descriptive writing, Holocaust literature and the impact of the Holocaust, basic elements of poetry, and grammar. Students in English 8 will also write an MLA style research paper and be introduced to basic public speaking strategies.

## **Family & Consumer Sciences**

### **Family & Consumer Sciences--Choices/8th grade**

**Family & Consumer Science Elective**  
**Recommended Prerequisite(s)**  
**Course Description:**

This class looks at the students' development. We begin by looking at personality and self-esteem. Physical, intellectual, social and emotional development is then explored. Other topics in this class include ethics, attitudes, health, nutrition, goals, communication, and decision-making and conflict management. Planning for future careers is also discussed.

### **Family & Consumer Sciences/7th Grade**

**Required Course**  
**Recommended Prerequisite(s)**  
**Course Description:**

This is an exploratory class looking at the following: FCCLA, money management and consumerism, basics of sewing machine operation, nutrition, basics of kitchen safety and sanitation, and child development. A few projects included in this class are keeping a checking account, making a fabric book

cover, food labs and evaluating toys for safety.

## **Fine Arts**

### **Art/ Jr. High**

**Required course**  
**No prerequisite(s)**  
**Course Description:**

In this class you will work mostly with developing drawing skills using perspective and shading. Encourage creative expression.  
Learn macramé and coil baskets – projects that any students can succeed.

### **Band**

**Fine Arts Elective**  
**10 credits          5 each semester**  
**Recommended Prerequisite(s):    Elementary Band**  
**Course Description:**

This class is designed to help students become musically independent through classroom study and performance. Students will be exposed to various styles of music (marching, pep, concert) and learn musical terms throughout the school term.

### **Music Appreciation-Jr. High**

**Required course**  
**Recommended Prerequisite(s)**  
**Course Description:**

This class is designed to be an overview of the history of Western music from the Renaissance to the present. It focuses on various styles of music and some of the most notable composers and musicians, and touches on the role of music in society. A portion of the class is used for preparing vocal music for a performance.

## **Math**

### **Algebra I**

**Math Elective**  
**10 credits          5 each semester**  
**Recommended Prerequisite(s)    Pass 8th grade math with at least C/pass**  
**placement test**  
**Course Description:**

This class starts with simple 1-step equations, to several transformations and building to problem solving. Add, subtract, multiply, divide, and factor polynomials. Ratios, proportions, percents with problem solving. Functions: slopes, tables, graphs, variations. Solve linear equation. Graph inequalities and quadratic function.

### **Math/7th grade**

**Required Course**  
**Recommended Prerequisite(s)**

### **Course Description:**

This course covers the metric system, rounding, comparing. Add, subtract, multiply, and divide decimals, integers, and fractions. Introduce variables, solving 1-step equations, prime factorization, least common multiple, and greatest common factor. We find area, perimeter, and volume of figures. Ratio, proportions, percent, proportions are also covered. We work with data in graphs, probability, and Pythagorean Theorem.

### **Math/8th grade**

#### **Required Course**

**Recommended Prerequisite(s)** 7th grade math

#### **Course Description:**

This course covers scientific notation; add, subtract, multiply, and divide fractions, decimals, and integers. Length, capacity, and mass are discussed and worked within the metric and standard units. Estimating and order of operations should be at the mastery level. Introduction of Algebra is done with variables, expressions, and one and two-step equations are solved. Statistics and probability with graphs, histograms are covered as are rates, proportions, scales. Geometry: explore shapes, angles, areas of figures, surface areas, volume, circumference, and the construction of figures. Find the percent, interest, Pythagorean theorem, and problem solving involving most of the above skills.

### **Science**

#### **Earth Science/Integrated I**

#### **Required Course**

**Recommended Prerequisite(s)**

#### **Course Description:**

A content and lab based course intended to give students a background in the earth and its processes using the following themes:

Exploring the universe--Exploring planet earth--Dynamic earth--History of the earth--Ecology: Earth's natural resources

#### **Life Science/Integrated II**

#### **Required Course**

**Recommended Prerequisite(s)** Earth Science/Integrated I

#### **Course Description:**

A content and lab based course intended to give students a background in basic life processes using the following themes:

Characteristics of living things--Monerans, protists, fungi and plants--Animals--Human biology--Heredity and Adaptation

Ecology

### **Social Science**

#### **Social Studies - 7th grade**

#### **Required Course**

**Recommended Prerequisite(s)**

#### **Course Description:**

This course is a wide overview of ancient cultures, customs, and religions. Also, acknowledges early

America and European expansion.

### **Social Studies - 8th grade**

**Required Course**  
**Recommended Prerequisite(s)**  
**Course Description:**

This class will focus on Post Civil War and the role of the U. S. in world affairs through WW II including key people, events and ideas.

### **Other**

### **Reading/7th grade**

**Elective Course**  
**Recommended Prerequisite(s)**  
**Course Description:**

The focus of this class is on literature and improving reading skills and comprehension through reading practice. This includes self-selected reading class reading, writing, and discussion. During the course of the school year, students read independently from book titles they have chosen, for which they keep a reading-log, write responses in their reading journal, and take AR tests. In addition to the independent reading, students read together as a class materials from SCOPE magazine and three to four other books through the year that focus on different themes. For each class book, students focus on vocabulary development, literary elements, etc., and complete a computer project that they present to the class.

### **Physical Education/Jr High**

**Required course**  
**Recommended Prerequisite(s)**  
**Course Description:**

Junior High P.E. is a basic beginner course of Physical Education. In it students will be exposed to various aspects of Education. Areas that are stressed are physical fitness, health, wellness, sportsmanship, hygiene, and social skills. During the 9-week class the students will also learn basic skills cricket, volleyball, speedball, basketball, team handball, pickle ball and weight training.

### **7<sup>th</sup> Grade Transitions**

**Required course**  
**Recommended Prerequisite(s)**  
**Course Description:**

In seventh grade Transitions we cover these lessons:

1. Accepting Responsibility
2. Who's in Charge
3. The Art of Prediction
4. Take Time to Plan
5. Learning from Mistakes
6. Effective Communication
7. Rules! Rules! Rules!
8. The Classroom as Community

Transition from the middle school to junior high can be difficult. We also discuss any problems that the students feel they are having making the transitions.

### **8<sup>th</sup> Grade Transitions**

**Required course**  
**Recommended Prerequisite(s)** 7<sup>th</sup> grade Transitions  
**Course Description:**

In eighth grade Transitions we cover these items:

1. What it is like when you dropout of school
2. What career path the student would like to pursue
3. What core classes are
4. What high school requirements are to graduate
5. How to register for high school classes
6. Registering for high school classes for their ninth grade year
7. Making a four year high school plan
8. Inviting parents to a working lunch to explain their four year plan

Transition from junior high school to senior high school is an important time in all students' lives. We make a four year plan and create the map that is needed to set goals during their high school career.