



Syllabus

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Tips for Success

If you're new to online courses, or if you just need a quick refresher, be sure to take a look at the Student and Parent Handbook.

Course Learning Outcomes

After you have successfully completed this course, you should be able to

1. Represent data using a bar graph, a line graph, and a circle graph. Also make a spreadsheet, frequency table, and a line plot.
2. Find the mean, median, and mode of a data set. Compare measures of central tendency among data sets.
3. Find probabilities of events, predict the relative frequency of events, and use simulations to identify frequencies for compound events.
4. Identify geometric terms such as points, lines, planes, segments, rays, and angles. Classify types of polygons by their number of sides. Explore types of triangles and special quadrilaterals.
5. Perform operations such as addition, subtraction, multiplication, and division on decimal numbers.
6. Identify divisibility rules for numbers. Find the greatest common factor and least common multiple for a set of numbers using prime factorization.
7. Find the area of geometric figures and the surface area of various geometric solids.
8. Use estimation skills to order, approximate, and round answers to problems.
9. Use various problem-solving skills to solve real-world application problems.

Course Materials

Textbooks

All the information you need is included in this course.

Calculator

The calculator explorations are written for the Texas Instruments Explorer 30 (TI-30); however, most other graphing calculators have similar capabilities.

Protractor

Assignments

You will complete these assignments during the course.

Seventh-grade math is an introduction to basic math concepts. We will study topics such as fractions, decimals, and integers. We will also explore real-world applications of different methods to represent data. We will also be introduced to geometry concepts, number theory, and review measurement.

Several components need to be completed to help you be successful in this course. You should:

1. Complete all Self Check questions at the end of each unit. Although these are not graded, it is essential that you practice the skills you will be learning.
2. Complete the reviews at the end of each unit. You can consider these assignments practice quizzes to make sure you are ready to complete the unit assignment.
3. Complete all six units and the required unit quiz for each.

Exams

You will complete one final exam for this course. The comprehensive final examination consists of thirty-five questions from the six units. A calculator is not allowed but scratch paper is.

Grading

Your grade in this course will be based on these assignments and exams:

ASSIGNMENT OR EXAM	GRADING	PERCENT OF TOTAL GRADE
6 Unit Quizzes	Computer	60%
1 Final Exam	Computer	40%

Resubmissions and Retakes

For information about resubmitting assignments, please contact your AK Grad instructor.

Grade Scale

Your letter grade is calculated according to these percentages.

A	100% – 93%
A–	92% – 90%
B+	89% – 87%
B	86% – 84%
B–	83% – 80%
C+	79% – 77%
C	76% – 74%
C–	73% – 70%
D+	69% – 67%
D	66% – 64%
D–	63% – 60%
E (fail)	59% – 0%

Course Policies

For information about how long you have to complete the course, resubmitting assignments, and other questions, please contact your AK Grad instructor.