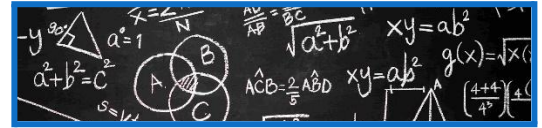


Advanced 7th Math Syllabus

Homer Middle School 2025-2026



Instructor Contact

Instructor

Mr. Engebretsen (Mr. E)
Room 106

Email

kengebretsen@kpbsd.k12.ak.us
kale.engebretsen@g.kpbsd.org

Phone Number

School: 907-235-5742
Cell: (253)-740-4334

General Information

Course Description

Welcome to Advanced 7th Grade Math at Homer Middle School! Throughout this course students will learn how to solve problems involving *Ratios and Proportional Relationships*, the *Number System*, *Expressions and Equations*, *Geometry*, *Statistics*, and *Probability*. Students will also develop problem solving skills and a better understanding of the usefulness of math in the world around them. Content will be taught through a variety of methods, including but not limited to, direct instruction, group work, scenario problems, projects, and activities. This course will progress at a faster pace than standard 7th grade math, and students will encounter more challenging concepts to prepare them for the opportunity to take Algebra in 8th grade.

Class Expectations

1. Students will be kind, responsible, respectful and treat others as they would want to be treated.
2. Students will come to class on time and prepared to learn. This includes bringing all required materials as well as a willingness to participate and a positive attitude.
3. Students will do their best and ask for help when they need it.

Course Materials

Required Materials

The following materials are required for class to help every student stay organized throughout the year:

- 3 ring binder (can be used for other classes as well)
- Spiral notebook (graph paper preferred but not required)
- Scientific calculator and writing utensils

Course Textbook

Each student will be provided the following consumable textbook (they can write directly on the pages):

- EnVision Mathematics (7th Grade) ISBN: 978-0-13-498357-8

Course Content

	Weeks	Text	Topics
Quarter 1	Weeks 1 - 8	Topics 1-2	Operations and Proportions
Quarter 2	Weeks 9 - 18	Topics 3-4	Expressions and Ratios
Quarter 3	Weeks 19 - 27	Topics 5-6	Equations and Statistics
Quarter 4	Weeks 28 - 37	Topics 7-8	Probability and Geometry

Grading and Homework Policy

General Overview

Grades will be determined by the following four categories:

1. Daily Participation/Notes (10%)
2. Weekly Practice Problems (40%)
3. Quizzes and Tests (40%)
4. Attitude and Effort (10%)

Reasoning

1. **Daily Participation/Notes (10%)**: Students who come to class on time every day, take good notes, and participate during class will almost certainly score well on quizzes, tests, and weekly practice problems. This portion of the grade will be determined by checking notes on a weekly basis and whether students are attentive and present during class activities/teaching.
1. **Weekly Practice Problems (40%)**: In order to learn math, just like any other skill in life, practice is necessary. Trying to solve math problems, struggling, learning from mistakes, getting feedback, and trying again is the best way to improve. That being said, the practice we will be doing in this class will not be “homework” in the traditional sense. I understand after school is sometimes not the most ideal time or place for kids to practice math without a teacher or peer to turn to when stuck. As a result, I plan to provide time each week during class for students to work on their weekly practice problems and ask questions. If students are on task and use this time wisely, they may not even have homework. Weekly practice problems will be assigned on Monday, graded based on both completion and accuracy, and due on Fridays. I will assign problems from the text that will then be graded on the following curve:

A = 8/10 or greater B = 6 or 7 /10 C = 4 or 5/10 D = 2 or 3 /10 F = Incomplete

Additionally, homework problems can be reworked to earn points back *within one week* of due date.
2. **Quizzes and Tests (40%)**: I plan to have a quiz roughly every two weeks on a few subtopics, and a Topic Test at the end of each topic/chapter from the textbook. Quizzes and Tests will be graded based on accuracy and can be retaken after corrections are done *within one week* after the original test date (Exceptions will be made for excused absences).
3. **Attitude and Effort (10%)**: Part of my goal for this class is it will prepare students to be successful in their adult lives after high school. No matter what career they end up having, I believe in the value of showing up every day with a positive attitude and genuine effort. This will be graded based on attendance, preparedness, and ability to meet the class expectations listed above.

Conclusion and Signatures

Overall, my goal for this class is to teach math in a way that is interesting, exciting, and fun. I look forward to having each of you in class and want you to know as your teacher I am always here to help. Please don't hesitate to reach out if you have a question about this syllabus or anything else throughout the year.

Thank you for taking the time to read this syllabus, it will always be accessible on the school website and may be updated/amended as the year progresses. Please sign below to acknowledge you have read and understand the class expectations and grading policy:

Student Signature: _____

Date: _____

Parent/Guardian Signature: _____