

# Math 7 Course Expectations

Teachers: Ms. Goeppinger  
Mr. Elko  
Mr. Fruits

Course Scope: This one-year course is designed to increase mathematical fluency in problem solving, logic, reasoning, and effective communication. This course builds on the concepts of number operations with integers, decimals, rational numbers, problem solving, reasoning skills, data analysis, probability, geometry, measurement, spatial relationships, patterns and algebraic concepts. The use of technology, including calculators and computer software, is an integral part of this course. This course fulfills the mathematics requirement for seventh grade students.

## Course Goals

1. To reason and communicate mathematically in order to apply learned concepts to problem solving situations.
2. To understand the connections among mathematics concepts in order to solve problems.
3. To increase and develop greater efficiency and accuracy in using estimation and computational skills in the rational number system.
4. To investigate algebraic concepts using concrete, informal, and formal methods, with and without technology.
5. To analyze, extend, and solve problems involving patterns using linear, geometric and exponential forms, with and without technology.
6. To solve problems involving the concepts of measurement and geometry relating to two and three dimensional objects.
7. To solve problems using a variety of mathematical tools, including calculators, manipulative, and measuring devices.
8. To formulate accurate conclusions and make predictions, based on interpolations and extrapolations of data, to solve problems.
9. To solve problems involving probability using various methods including counting techniques, area models and tree diagrams.
10. To develop a disposition for the continued study of mathematics.

## Course Expectations

### Be Prepared:

Students need the following materials in class every day: Textbook, pencils, paper, Cram agenda to write daily objectives and assignments, and notebook for note taking.

### Be Punctual:

Students need to be in their seat working on filling out the agenda and Prime Time/Warm Up assignment when the bell rings.

### Be responsible:

Students are expected to listen attentively, follow directions and remain on task throughout the class period. Students must respect others and the property of others, including raising a hand to answer questions, listening politely, and responding politely. Verbal and posted classroom rules need to be followed. School rules should be adhered to at all times.

### Grades:

Grades will be based on the following:

Tests/Quizzes - 60%

Class work - 20%

Homework - 20%

### Citizenship:

Good citizenship requires a positive attitude, cooperation, and fulfilling responsibilities in and out of the classroom. Promptness, participation, good work habits, and respect for others will also be used to determine each student's citizenship grade. O=Outstanding, S=Satisfactory, N=Needs Improvement, U=Unsatisfactory.

### Showing Required Work:

Students must show all required work for each assignment, test, or quiz problem to receive credit.

### Make Up Work:

Students who miss assignments, due to and excused absence, will be given 3 days to make up the assignments. It is the student's responsibility to contact the teacher for make up work and check the classroom calendar for assignments. Students will also need to contact the teacher to make up missed tests or quizzes within 3 days of returning to school.

### Contact:

Please contact your child's teacher if you have questions or concerns regarding these course expectancies.

Sincerely, Ms. Goepfing, Mr. Elko, Mr. Fruits (See next page)

## 7<sup>th</sup> Grade Math Signature Page

If you have read and understand the Course Expectancy document for the 7<sup>th</sup> grade math classes, please complete this page and return it to your child's teacher. Thank you.

Class Period: \_\_\_\_\_

Student Name (Please Print): \_\_\_\_\_

Parent Name (Please Print): \_\_\_\_\_

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Best Contact Phone Number: \_\_\_\_\_

Parent E Mail (optional): \_\_\_\_\_