

**Ms. Steinert**  
**262-626-8427 ext. 2023**  
[ssteiner@ksd.k12.wi.us](mailto:ssteiner@ksd.k12.wi.us)  
**Room 23**

## 7<sup>th</sup> Grade Mathematics

### **7<sup>th</sup> Grade Mathematics:**

**Content that will be covered in Ms. Steinert's math class.**

#### **Algebra**

- Know the order of operations.
- Variables: representations of relationships- tables, graphs, words, and symbols

#### **Similarity**

- Know the properties of similarity
- Be able to find and use scale factor between two similar shapes.
- Understand basic similarity transformations and their algebraic rules

#### **Ratio, Proportion, & Percent**

- Change between a decimal, percent, and fraction.
- Be able to use proportions, ratios, and percents to make comparisons.
- Proportional reasoning – solving proportions

#### **Positive & Negative Numbers**

- Understanding and modeling positive and negative integers and rational numbers.
- Learn the Distributive property
- Use Four-quadrant graphing

#### **Linear Relationships**

- Understand the relationship between tables, graphs, and equations.
- Learn about linear relationships, equations, and the slope of a line.

#### **Three-Dimensional Measurement**

- Spatial visualization
- Calculate volume and surface area of various solids
- Calculate volume and surface area relationship

#### **Probability & Expected Value**

- Find expected value
- Find probabilities of two stage outcomes

#### **Describing Variability and Comparing Groups**

- Measures of center
- Variability in data
- Compare distributions of equal and unequal sizes

**Common Assessments:**

- ✓ Unit Tests
- ✓ Investigation Quizzes
- ✓ Notebook Quizzes
- ✓ 7<sup>th</sup> Grade District Assessment

**Textbook Series:**

- **Connected Mathematics 2 (CMP)**

**Grading:**

- Homework Quiz      20%
- Section Quiz        20%
- Unit Test             60%

Grades are based on assessment only. Homework will be check and reviewed. It is the students' responsibility to have their homework corrected for the homework quiz.

**Materials:**

- 11/2"- 2" Binder
- 1 package loose leaf paper
- 1 package graph paper
- Scientific calculator
- Pencils
- Pens
- 3-hole zippered pencil pouch