

## **Math 8 Course Outline**

Mr. Wallace

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Welcome to your first high school mathematics course. This course is intended to set you up with a strong foundation in skills and habits that will help you succeed throughout your time in high school and beyond.

### **Big Ideas:**

- **Number** represents, describes and compares the quantities of ratios, rates and percent.
- Computational **fluency** and flexibility extend to operations with fractions.
- **Discrete linear relationships** can be represented in many connected ways and used to identify and make generalizations.
- The relationship between surface area and volume of **3D objects** can be used to describe, measure, and compare spatial relationships.
- Analyzing **data** by determining averages is one way to make sense of large data sets and enables us to compare and interpret.

### **Textbooks:**

We will use a *Mathlinks 8* Textbook. Homework from this textbook will contain the answers in the back. It is essential that:

- You use the back of the book to check your answers **after each question**
- You do not simply copy answers from the back of the book

### **Evaluation:**

You will be given “low stakes” quizzes often that do not count for marks.

Marks will come from regular tests (90%) and each quarter will have a final worth 10% of the term mark.

The course is cumulative and each test will cover everything that we have learned up to that point.

## **Expectations**

I expect that you come to class prepared to be engaged. This means that you have all of the materials you need, you are well rested and you are ready to participate and to pay attention.

I expect that you treat yourself and others with respect and kindness.

I expect that you ask for help when you need it.

I hope that you try hard and have fun.

**Note:** I prefer not to give homework in this class so you must use your class time wisely.

## **Materials:**

- Binder that is ONLY for Math
- Dividers
- Loose leaf lined paper
- Eraser
- Pencils
- Ruler
- Calculator – a scientific calculator is recommended.