**MARSTON MIDDLE SCHOOL**

**8th Grade Math SYLLABUS 2020-2021**

**Instructors:** Mrs. Thanh-Thuy Cao and Mrs. Tricia Otterman

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**COURSE DISCRIPTION:**

In grade 8, instructional time should focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

<http://www.cde.ca.gov/be/st/ss/documents/ccssmathstandardaug2013.pdf> (go to page 59).

**TEXTBOOK:** Big Ideas Math Course 3. The schedule is subject to change if it is necessary.

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| **SEMESTER 1 (9 weeks):**  Chapter 1 Equations  Chapter 10 Exponents & Scientific Notation  Chapter 7 Real Numbers & The Pythagorean Theorem  Chapter 8 Volumes & Similar Solids  Chapter 2 Transformations | **SEMESTER 2 (9 weeks):**  Chapter 3 Angles & Triangles  Chapter 6 Functions  Chapter 4 Graphing & Writing Linear Equations  Chapter 5 Systems of Linear Equations  Chapter 9 Data Analysis & Displays |

**COURSE EXPECTATIONS:**

Everyone in this class is here tolearn. Students are expected to take responsibility for their own learning and to dotheir best. To achieve maximum performance, students must:

* follow the teacher’s directions the first time they are given.
* actively participate in all class zoom meetings and log in on time.
* complete all assignments in a thorough, organized, and timely manner.
* always act in a respectful manner toward others during zoom meetings.
* ask thoughtful questions and seek help early.

**SUGGESTED COURSE MATERIALS AND SUPPLIES:**

* #2 pencils with erasers at all times, lined paper, scientific calculator, ruler, highlighter, graph paper (provided graph paper should only be used when instructed by teacher)

**GRADING POLICY:**

* **Classwork:**  Classwork will be checked daily in Big Ideas Assignments or Google Classroom Assignments for accuracy and completeness. No late work will be accepted if the solutions are given out. It is students’ responsibility to check for accuracy and to ask for assistance if they do not understand the concepts during office hours.
* **Homework:** Students will watch lesson video(s) and take notes before attending daily zoom meeting. Students can print out the handout or copy the notes on a piece of paper.
* **Retaking Exams**: Students who are not satisfied with their initial test score can retake it within retaking testing window. The retake will be done during office hour.
* **Absent:** Students are responsible for looking up assignments (in Google Classroom) and making up all missed work when absent.
* **Zoom Meeting:** It is important to attend every zoom meeting. This is where the teacher will take attendance and practice concepts.
* **Academic Dishonesty:**  Any student guilty of academic dishonesty will receive a zero for that activity. That zero may not be dropped from the record and a parent contact will be made.

**The grading breakdown is as follows:**

Classwork/Participation ………………………………………….10 points per day

Homework (Watch video(s), read textbook, and take notes) ……10 points per day

Assessments ……………………………………………………...50-100 points per assessment

**OFFICE HOURS:** Monday-Friday 12:40-1:30pm