

## **8<sup>th</sup> Grade Mathematics (Fall 2025- Spring 2026)**

**Instructors:** Elva Diaz **Classroom #:** 300 **Email Address:** [elva.diaz@hcisd.org](mailto:elva.diaz@hcisd.org)

### **Course Outline:**

Module 1: Transforming Geometric Objects

Topic 1: Rigid Motion Transformations

Topic 2: Similarity

Topic 3: Line and Angle Relationship

Module 2: Developing Function Foundations

Topic 1: From Proportions to Linear Relationships

Topic 2: Linear Relationships

Topic 3: Introductions to functions

Module 3: Data Data Everywhere

Topic 1: Patterns in Bivariate Data

Topic 2: Variability and Sampling

Module 4: Modeling Linear Equations

Topic 1: Solving Linear Equations

Topic 2: Systems of Linear Equations

Module 5: Applying Powers

Topic 1: Real Numbers

Topic 2: The Pythagorean Theorem

Topic 3: Financial Literacy

Topic 4: Volume of Curved Figures

### **Grading Breakdown:**

Daily Work: 75%

Tests: 25%

### **Rules:**

1. Be Safe: Cooperate with your teachers and classmates
2. Be Respectful: Respect the rights and property of others
3. Be Responsible: Carry out your student responsibilities

### **Textbook:**

CI Texas Math solutions

Every student will receive a textbook at no cost. It is the student's responsibility to maintain and take care of their textbook. Textbooks will be held in class for easy access. Online access will also be provided to students.

### **Tutoring:**

There are tech breaks built into your schedules. Should you need extra help or have any questions, please let me know and I will make time during one of these tech breaks to meet with you. During instruction on campus, I will be available almost every day after school until 4:30pm. I am always willing to help and will work with you to schedule a time.

**Supply List:**

- 1 Pkg of Pencils (24 ct-Wooden #2)
- 1 Binder with paper

**Classroom/Online Policies:**

**The following will apply online and in the classroom.**

1. RESPECT everyone in the classroom.
2. Everyday will be a workday.
3. Once you're in class during the passing period, you are not allowed to come in and out of the classroom. .
4. Students' are allowed 3 restroom breaks per semester.
5. If no homework is turned in on the due date, then an after school detention will have to be held the next day.
6. Follow cell phones policy.
7. If a student is misbehaving, they will have a teacher and/or team conference.
8. If behavior continues, then parents will be contacted.

**Message to students:**

**I am here to help you succeed in my class. It is your responsibility to communicate with me if you need something. I expect my students to be the best students, as each day I will be striving to be the best teacher. I am excited to get to know each of you and look forward to being your teacher.**

By signing, I have acknowledged that I have read the syllabus. (Printing your name is fine.) This needs to be returned signed by parents on the due date and will be your first grade.

Student's Signature:

Parent's Signature: