



## 8<sup>th</sup> Grade Math

Rachel Fobes

[rfobes@ems-isd.net](mailto:rfobes@ems-isd.net)

Remind Code: Text **@fobes8th** to the number **81010**

**Conference Period:** 10:04am – 10:51am

**Tutoring Opportunities:** Tuesdays and Thursdays before school (7:45-8:15). Other times by appointment only.

### Class Materials:

#### Student Needs to Bring:

- Writing Utensil (Pencils)
- Pocket folder with Brads
- Notebook paper
- Headphones

#### Provided Technology Tools:

- Canvas to access all class notes and assignments
- Remind app will be utilized for class updates
- TI-84 Calculators (provided for student use in class)

Access to Canvas and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.

### Course Description:

The primary focal points at Grade 8 include representing, applying, and analyzing proportional relationships; using expressions and equations to describe relationships, including the Pythagorean Theorem; making inferences from data; and financial literacy. Use of mathematical processes to acquire and demonstrate understanding is emphasized. **Students in this course will take the 8th Grade Math STAAR test.**

### Course Goals:

Students who complete this course successfully will be able to:

- Order sets of real numbers arising from real-world contexts
- Use data from a table or graph to determine rate of change, slope, and y-intercept
- Write an equation to model linear relationships between two quantities
- Solve problems involving the volume of cylinders, cones and spheres
- Use concepts of combining like terms and inverse operations to solve one-variable equations and inequalities
- Use models and diagrams to explain the Pythagorean Theorem
- Explain the effect of transformations on a coordinate plane using algebraic representation

**Student Evaluation:**

The grading system for this course is as follows:

- Grade averaged 60% Major 40% Minor
- Major grades – tests (including District Common Assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum four per six weeks
- Each six weeks will count as 1/3 of the semester grade.
- A letter system (S, N, U) is used to report a student's conduct based on proper/responsive conduct and citizenship
- Per Board Policy EIA (LOCAL), "The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments and quizzes. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.
- Official grades will be in Skyward only and can be accessed by student and parent through Family Access.

**Assignments, exams, expectations outside of the classroom:**

- All assignments will be given enough time to be completed in class.
- Students should spend time at home studying for exams.

**Attendance/Tardy Policy/Make-Up Work:**

- Attendance: Students are expected to attend class every day possible
- Tardy Policy: Please refer to the student handbook regarding our campus Tardy policy
- Make-up Work: Most assignments are done within the time given for class. If a student is absent (exempting school related activities) they will get an additional day for each day absent.
- Students who are aware they will be absent due a school activity are responsible for turning in assignments the day they return to class.
- If a student is absent on the day of a test, then that student is expected to make up the test the day they return to school.

**Classroom Expectations:**

- Work the Willkie Way
  - Treat others with kindness in your words and actions
  - Phones off and away the whole school day
  - Have all supplies ready and in your seat before the bell rings
  - Come to class ready to learn and work
  - Complete all homework on time every time
  - Actively participate in class

**Preliminary Schedule of Topics, Readings, and Assignments**

- Unit 1: Numerical Relationships
- Unit 2: Proportional and Non-Proportional Relationships
- Unit 3: Equations and Inequalities
- Unit 4: Geometry and Measurement
- Unit 5: Geometry and Coordinate Plane
- Unit 6: Data Analysis and Financial Literacy
- Unit 7: STAAR Review
- Unit 8: Geometry and Algebra Extensions

**Academic Integrity:**

Academic integrity values the work of individuals regardless if it is another student's work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work.

Academic dishonesty is not tolerated in our schools. Academic dishonesty includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.