



8th Grade Mathematics 2022 - 2023

Teacher: Mrs. Powell

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The 2022-2023 is going to be an exciting year as we work together to sharpen our basic math skills and become better problem solvers. I want you to look at math with an open mind as we look at new concepts and grow in our understanding. This syllabus is provided to answer most of your questions about this class.

Standards for Term 2:

EE.7: Solve linear equations in one variable.

G.1: Verify experimentally the properties of rotations, reflections, and translations.

G.2: Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.

G.3: Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.

G.4: Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.

G.5: Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.

G.6: Explain a proof of the Pythagorean Theorem and its converse.

G.7: Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions.

G.8: Apply the Pythagorean Theorem to find the distance between two points in a coordinate system.

Tests and Grades

Grading: A=90-100 B=80-89 C=70-79 D=65-69 F=below 65 I=incomplete
Grading follows the policies of Biloxi Public Schools. A mid-term progress report and a report card following the end of each term are issued.

Tutoring: I will be available for tutoring on Tuesdays from 3:15-4:00. You must have an after school form turned in the day before tutoring. I coach two sports and sometimes drive a bus route, so communication is key!

Tests: Five tests will be given this 9 weeks. Test 1 will cover standards 8.EE.7 & 8.G.5. Test 2 will cover standards 8.G.1, 8.G.2 & 8.G.3. Test 3 will cover Test 2's standards plus 8.G.4 & 8.G.5. Test 4 will cover standards 8.G.6, 8.G.7 & 8.G.8. Test 5 will be our Benchmark Assessment and will cover every standard we have covered so far this year.

Retesting: Reteaching/Retesting is allowed for one test per 9 weeks. You must attend the reteach session if you want to retest, and you must have all work from that unit completed.

Grading: Activity grades are 55% of the total average. This consists of classwork (graded weekly), bellwork (graded every two weeks), quizzes, and IXL (graded once per test). Tests are 35% of the total average. Term tests (exams) are 10% of the total average.

Homework: Homework is not given every night. Normally work that is not finished during class will be homework.

Bellringers: Bellringers must be completed in the allotted amount of time each day at the beginning of class. If the student is absent, then it is the student's responsibility to complete it at home before the next school day. Bellringers are designed as a review of previous taught information and allows students another opportunity to ask questions and get additional help. Bellringers will be collected at the end of every other week for an activity grade.

Quizzes: Students will have a quiz between each test. Quizzes are not subject to the reteaching policy.

Math Binder: All students are to keep a math binder. The assignments need to be kept in chronological order by date and brought to class each day. Bellwork, assignments, and notes should stay in this binder. Students are required to show work at all times. At times, they will be asked to justify or explain their answers. Assignments will not receive full credit if work is not shown or explained.

Make-up work/Late work: Make-up work is the responsibility of the student. Daily assignments will be posted on the board as well as in google classroom. Late work will have 10 points deducted per day. Make-up work will start the deductions after you have been back in school for the same time as you were out. (Ex: you missed two days of school, so you have two days starting once you return to turn in your work for full credit. After those days, we will start the deductions.) All work must be turned in within 10 days of returning to school. Pre-announced assignments & tests will still be in effect unless arrangements are made.

Classroom Expectations:

- Students are expected to use the restroom between classes.
- Students will remain seated unless given permission to get up by the teacher.
- Students are expected to have their calculator, pencil, and paper out before beginning the bellringer.
- Students will raise their hand before asking a question.
- Students are expected to listen quietly and attentively while others are speaking.

Classroom Consequences:

- Verbal warning
- Behavior essay
- Parent contact with agreed upon consequences
- Office Referral

Electronic Devices: Cell phones, smart watches, tablets are not allowed to be used in the classroom.

1. Warning
2. Turned off and taken until the end of class
3. Turned off and taken until the end of the school day
4. Turned off and taken until the end of class each day

Parents will be notified/contacted if electronics become a problem.

Supply List:

T130XIIS Calculator	Binder	Dividers	Folder with prongs
Pencils	Paper	Highlighters	Colored pencils
Ruler	Glue sticks	Kleenex (optional)	Hand Sanitizer (optional)