8th Pre-Ap Math

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Conference Period: 7th Period (1:56-2:41)
Tutoring Opportunities: Monday and Wednesday from 7:50-8:15 and 3:35-4:00, for both remote and in person students.
Class Materials:
- 1 ½ - inch Binder with a for Math
- Pencils
- Red Grading Pen
- 4 AAA batteries
- Students may access notes and assignments on Canvas
- Students will have the privilege of using TI-84 Plus Graphing Calculators while they are 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 areas in Grade 8 are proportionality; expressions, equations, relationships, and foundations of functions; and measurement and data. Students use concepts, algorithms, and properties of real numbers to explore mathematical relationships and to describe increasingly complex situations. Students use concepts of proportionality to explore, develop, and communicate mathematical relationships. Students use algebraic thinking to describe how a change in one quantity in a relationship results in a change in the other. Students connect verbal, numeric, graphic, and symbolic representations of relationships, including equations and inequalities. Students begin to develop an understanding of functional relationships. Students use geometric properties and relationships, as well as spatial reasoning, to model and analyze situations and solve problems. Students communicate information about geometric figures or situations by quantifying attributes, generalize procedures from measurement experiences, and use the procedures to solve problems. Students use appropriate statistics, representations of data, and reasoning to draw conclusions, evaluate arguments, and make recommendations. While the use of all types of technology is important, the emphasis on algebra readiness skills necessitates the implementation of graphing technology.

Course Goals:
Students who complete this course successfully will be able to:
- Represent, apply, and analyze proportional relationships.
- Use expressions and equations to describe relationships, including the Pythagorean Theorem.
- Make inferences from data and have financial literacy.
- Use mathematical processes to acquire and demonstrate understanding.

Student Evaluation:
The grading system for this course is as follows:
- Grade averaged 60% Major 40% Minor

- Major grades – tests (including District Common Assessments, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum ten per six weeks
- Semester exams will count 1/7 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, quizzes, six-week test, and semester final examinations. 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:
It is my philosophy that students who make a genuine effort in class are expected to pass the course. In order to ensure the students must prove that they are trying their best by doing the following:

1. Bring their Math binder to class every day and complete ALL notes.
2. Turn in all assignments completed. On time. With ALL work shown.
3. Come to tutorials and take advantage of all retest opportunities.
4. Have no zeros.
5. Assignments should be in pencil. No pens used please!

Attendance/Tardy Policy/Make-Up Work:
- Students shall have a time equal to days absent from class plus one day to complete all missed assignments. If extenuating circumstances occur such as long-term illness, family emergencies, or if we are nearing the end of the six weeks please contact the teacher. Students returning from an absence will be responsible for all make up work including tests.
- Per Board Policy, "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 only applies to initial identified major grades (i.e. summative assessments, projects, and other identified major grades, and does not apply to daily assignments, quizzes, six-weeks test given last week of six weeks, and semester final examinations). Upon reteach and retest, the new test, project, etc. will be a high score of 70%.
- A student will not be allowed to redo an assignment for which he/she received a zero or to retake a test for which the student received a zero.
- Students who passed a major grade assignment or assessment and earned a grade of 70-84 will be given the opportunity to retest for the highest available grade of an 85.
- No late work will be accepted after 3 school business days and a zero is recorded in the grade book.
- Students who fail to report to class on time will be subject to the following consequence:
    1. Tardy will result in a verbal warning
    2. Tardies will result in a Phone Call Home
    3. Tardies will result in teacher detention before school or lunch detention
    4. Tardies will result in an Office Referral C

Classroom Expectations:

1. Be on time, on task, and prepared to learn every day.
2. Respect the teacher, the classroom, other students, and yourself.
3. Be responsible for your own learning.
4. Clean up after yourself!

5. All electronics are OFF and away. Cell phones will be placed in the calculator holder in the front of the room when the student picks up a calculator to use for the day. If calculators are not being used, students will turn OFF their cell phone and place it in their backpack. (Unless being used for a class assignment.)

Preliminary Schedule of Topics, Readings, and Assignments

Unit 1: Numerical Relationships
Unit 2: Proportional and Non-Proportional Relationships
Unit 3: Geometry and Measurement
Unit 4: Equations and Inequalities
Unit 5: Geometry and the Coordinate Plane
Unit 6: Data Analysis and Financial Literacy After students take the Math 8 STAAR, a unit on probability will be taught.

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.