

COURSE CODE: 7th Grade Accelerated Math

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COURSE DESCRIPTION: Students will begin a study in the second half of the Core Connections 2 course (7th grade course) and the Core Connections 3 course (8th grade course). At the end of the year students are prepared to take Algebra in their 8th grade year of school.

PREREQUISITES: Completion of 6th Grade Math (85%), Score of LATE 6 on iReady, minimum 4 score ISAT and teacher recommendation.

OBJECTIVES: As a result of this course, students will be able to:

- Represent a linear function with a graph, table, rule, and context and create any representation.
- Solve systems of equations by using tables and graphs.
- Solve contextual word problems using multiple strategies, including making tables, looking for patterns, drawing diagrams, and creating a table of guesses to assist with writing and solving a variable equation.
- Describe various geometric transformations on a coordinate grid.
- Represent data using scatterplots and describe associations.
- Compare ratios and calculate unit rates and slope ratios.
- Analyze the slope of a line graphically, numerically, and contextually.
- Recognize and use the properties of similar figures to solve problems.
- Use the Pythagorean Theorem and its converse to solve problems in two and three dimensions.
- Represent and simplify expressions using positive and negative exponents.
- *Perform operations with numbers represented in scientific notation.*
- Use the relationships between angles created by parallel lines with transversals..

ATTENDANCE AND PUNCTUALITY: If a student is absent please contact the office to let us know. Students who arrive at school after the first tardy bell should report to the main office to sign in. Students are allowed nine (9) absences per class period during the semester. Students who receive ten (10) absences in any class will lose credit unless cleared by the attendance office as extraordinary within five (5) days of the absence. Verbal communication must come from a parent/guardian within 48 hours of the absence to prevent truancy. ***If a student leaves class early (sports, doctor, etc) they are still responsible for the homework assigned that day.***

MAKE-UP WORK: After an absence, it is the student's responsibility to communicate with the teacher for make-up work. They are to check google classroom first, as all daily agendas and objectives can be found there. Handouts and worksheets will also be uploaded on google classroom. You can also e-mail with additional questions. Turn in work within a reasonable time in accordance with the teacher's late work policy.

TARDIES: Students are considered tardy if not in their assigned classrooms when the tardy bell rings. Tardies accrue on a semester basis. The tardy policy incorporates the following:

- First Tardy -- Teacher warns student
- Second Tardy -- Teacher warns student
- Third Tardy -- Student assigned to designated detention
- Fourth Tardy -- Student assigned after school detention.
- Additional Tardies - Saturday School (9:00am-12:00pm) **

COMMUNICATION: If you have a question you can reach me by phone, email, and even google classroom. Many students send messages via google classroom. If you are struggling with a concept please email or send a message so I know you tried. Skyward is where you will find the grades for students. Progress reports will be emailed to parents on a regular basis. I will try to have all grades updated and in the gradebook weekly.. I will also meet with students on a regular basis to discuss how they are doing in class.

CELL PHONES AND OTHER ELECTRONIC DEVICES: Students are NOT allowed to have their cell phone or electronic devices in the classroom. I will allow students to listen to music during independent work time with ONE earbud only from a non cellular device (ex: ipod or MP3). Misuse of this policy will result in loss of device. The teacher will turn it into the office. *Students will never be allowed to use a cell phone as a calculator.*

FOOD AND DRINK: Students may have water bottles in class and bring a healthy snack. I allow gum as long as I do not see or hear it.

GRADING: Grades will be calculated based on a percentage system 70-30.

30% - Daily work, homework, team tests, and presentations

70% - Assessments (including exams and projects)

90-100% = A 80-89% = B 70 -79% = C 60-69% = D < 59% = F

Homework Policy: Homework is graded on a completion basis. I believe in giving the kids credit for trying and also giving them immediate feedback on each assignment. Completed assignments, showing all student work and detailed correction will receive a 100%. Assignments with answers only will receive no credit. Incomplete assignments will be considered late (please review Late Work policy). See Google classroom for detailed homework grading policy.

LATE WORK: Students are allowed to turn in late work up until the unit test. Late work is only accepted if all of the problems are completed with all work shown. Late assignments will receive a 4 out of 5. If the assignment is not turned in before the corresponding unit exam, the student will receive a zero (0) on the assignment.

TEST RETAKES: I allow students to go back through their exams for a better grade. Students redo missed exam problems, self-assess their mistakes and create a similar problem in order to earn the privilege of retaking their test. See google classroom for the detailed contract.

PLAGIARISM/ACADEMIC OFFENSES: If a student is caught plagiarizing or cheating they will be required to do the assignment again from the beginning and parents will be notified. It will also be documented. If it happens again, the parents will be notified and the matter will be turned over to administration.

SUPPLIES:

- Scientific Calculator. Cell phones will not be allowed as calculators. A great option is a TI-30X.
- 2 Composition graph paper notebook for Math class only.
- Lined paper and a good supply of pencils.
- Colored pens or pencils for projects and grading.
- Pocket Folder (for homework)