

Mr. McConnell
Course Expectations
Seventh Grade Math
PERSONAL CONTACT INFORMATION:
(702) 799-2260
E-MAIL: rlmccconnell@interact.ccsd.net

I. Course Scope:

This one-year course is designed to increase mathematical fluency in problem solving, logic, reasoning, and effective communication. This course builds on the concepts of number operations with integers, decimals, and rational numbers, problem solving and reasoning skills, data analysis, probability, geometry, measurement, spatial relationships, patterns, and algebraic concepts. The use of technology, including calculators and computer software, is an integral part of this course. This course fulfills the mathematics requirement for seventh-grade students.

II. Course Goals:

1. To extend understanding of numbers and their properties to include absolute value, radicals, powers, scientific notation, squares, square roots, order of operations, estimation and computation with rational numbers and integers. [NS: 1.7.1, 1.7.5, 1.7.6, 1.7.7, 1.7.8]
2. To compare, order, and translate among fractions, decimals, and percents. [NS: 1.7.2, 1.7.3]
3. To describe and evaluate patterns and relationships using models, tables, charts and graphs. [NS: 2.7.1, 2.7.4]
4. To write and simplify algebraic expressions and develop strategies for solving and graphing one and two step linear equations and inequalities.
[NS: 1.7.8, 2.7.2, 2.7.3, 1.7.7, 1.7.8, 2.7.2, 2.8.2, 2.7.4, 2.7.5]
5. To use algebraic techniques to solve problems involving geometric relationships including the Pythagorean Theorem when finding the hypotenuse of a right triangle. [NS: 4.7.7, 4.8.7]
6. To determine the slope of a linear relation from a graph using the ratio of rise to run.
[NS: 2.7.4, 4.7.5]
7. To identify congruent and similar two-dimensional shapes by recognizing ratios and proportional relationships, using hands on activities and sketches, and graphical representations, including transformations.
[NS: 3.7.5, 3.8.5, 4.7.1, 4.7.2, 4.7.3, 4.7.4, 4.7.6, 4.7.8]

8. To measure perimeter, area, volume, and angles using the appropriate units.
[NS: 3.7.1, 3.8.5, 4.7.1, 4.7.2, 4.7.3, 4.7.4, 4.7.6, 4.7.8]
9. To use formulas to calculate circumference of circles, areas of triangles, parallelograms, trapezoids, and simple interest. [NS: 3.7.1, 3.7.2, 3.7.4, 3.7.6, 3.8.4]
10. To conduct experiments and compare experimental and theoretical probability of an event and calculate the number of permutations and combinations of an event.
[NS: 5.7.4, 5.7.5, 5.12.3]
11. To collect, organize, display, and analyze data using graphical representations including line plots, bar graphs, stem and leaf plots, histograms, and circle graphs.
[NS: 5.7.3, 5.7.6, 5.8.6, 5.8.2]
12. To develop and extend problem solving skills in order to communicate and reason mathematically and apply previously learned strategies.
[NS: A, B, C, D]

III. Class Policies:

A. Grades:

Points earned on class assignments, projects, tests, quizzes, and homework will be averaged to determine grades as follows:

90% -100% = A	CLASSWORK / HOMEWORK 30%
80% - 89% = B	
70% - 79% = C	TESTS / QUIZZES 70%
60% - 69% = D	
59% -.0% = F	

SEMESTER 1

QUARTER 1	40%
QUARTER 2	40%
FINAL EXAM	20%

SEMESTER 2

QUARTER 3	40%
QUARTER 4	40%
FINAL EXAM	20%

B. Policies and Procedures

1. I will be available Monday through Thursday for 30 minutes at 7:30 AM and 2:15 PM for any assistance or help students may need.
2. Unexcused late work deductions: 1 day - 10%, 2 days - 20%, 3 days 30%, 4 days – 40%, 5 days – 50%, more than 5 days – No Credit.

3. Absent policy: Students have 3 days to initiate contact with a teacher after they return to school from being absent. Upon initiating contact, the teacher and student will develop a reasonable timeline for missed work to be completed and submitted.
4. Tests can be retaken within one week from the time when they are graded and returned to the student. The student will be given credit for the highest grade received.
5. Upon completion of each semester, students will take a comprehensive exam, which will be worth 20% of the semester grade.
6. Citizenship grades will reflect student participation, cooperation, respect, effort, and ability to conduct oneself appropriately during each class. Students should expect to receive an "S" for displaying these characteristics. Those students excelling in these characteristics should expect an "O." Students needing constant reminders of expected conduct should expect to receive a "U" or an "N" (Needs Improvement.)

C. Progressive Discipline Policy:

Any behavior that interrupts the learning environment will be addressed according to the following progression of consequences:

1. Warning and reminder of expected behavior.
2. Teacher detention to be held after school for one hour. A student who does not attend detention will be assigned additional detention and a call will be made to parents.
3. Phone call to parent or guardian.
4. Referral to counselor.
5. Referral to dean.

IV. Materials:

1. #2 **PENCILS**
2. Red pens (2)
3. Colored pencils (1 Box)
4. Ruler
5. Protractor
6. Compass
7. **LOOSE LEAF** Lined Paper for **ALL** homework and classwork.
8. **JOURNAL** for all **NOTES** and vocabulary.

Our signatures below show that we have read these course expectations and agree to follow them throughout the school year. If we have any questions or concerns we will contact you at the school.

Student Signature _____

Parent/guardian Signature _____

Print parent or guardian name _____

Contact Numbers:

Day _____ Evening _____

Cell (Father) _____ Cell (Mother) _____

E-mail _____