

Twin Falls School District

Middle School Math, Grade 7



Course Description:

This course is designed to prepare students for algebraic study. This course is a critical bridge between elementary mathematics and pre-algebra. To be successful in pre-algebra, students should have a solid foundation of basic computational skills, probability, statistics, number sense, proportion, integers, geometry and simple equations.

Required Text: Prentice Hall. Mathematics course 2. 2008 Pearson Education Inc. publishing as Pearson Prentice Hall, Boston Massachusetts 0116

Instructional Philosophy and Student Expectations:

Students will receive all necessary instruction, guided practice, and group activities during class time. Students should expect homework every day to reinforce the knowledge and skills introduced in the classroom. Homework is not accepted unless all work is clearly shown. Students are expected to bring all supplies to class every day. To further develop a community of learners, students will be expected to work and participate in a variety of situations.

Power Standards:

Standard 1: Probability and Statistics

Students collect, organize, display, interpret and analyze data.

Students determine the probability of simple events.

Standard 2: Fractions, Decimals, and Percents

Students compare and order rational numbers by converting between fractions, ratios, decimals, and percents.

Standard 3: Rational Numbers

Students add, subtract, multiply, and divide rational numbers.

Students use order of operations to simplify expressions.

Standard 4: Geometry

Students use the coordinate plane to plot points and graph lines and shapes.

Students identify two and three-dimensional geometric figures.

Standard 5: Formula Usage

Students identify and apply common formulas.

Standard 6: Variables and Expressions

Students identify and use variable representation to simplify, evaluate, and translate algebraic expressions.

Standard 7: Integers

Students add, subtract, multiply, and divide integers.

Standard 8: Equations

Students write, translate, and solve equations and proportions with variables on one side.

Within all of the standards students will use problem-solving skills; they will choose how to approach a problem, explain their reasoning, and then check their results to determine if they are reasonable. Throughout the year, students will investigate, describe, and identify patterns. Students will learn how to read text, data,

tables, and graphs with comprehension and understanding. Student writing is expected to be coherent with the correct usage of mathematical vocabulary. Students will learn to connect mathematical concepts by linking new ideas to related ideas, learned previously; which will aid in seeing mathematics as a unified body of knowledge where concepts build upon each other. Students will understand and connect their mathematical learning to appropriate real-world situations.

Grading Scale:

90 - 100	A
80 - 89	B
70 - 79	C
60 - 69	D
59 - below	F

Components of the Grade:

Tests	40%
Quizzes	40%
Homework	20%

Policy for Re-Doing Work/Tests:

- Late homework will be accepted. Points will be deducted accordingly.
- Semester and final tests may not be re-taken.
- After the unit test is given, all related work will not be accepted.
- Quizzes may be re-taken under the following conditions:
 1. Correctives are made.
 2. Must be re-taken within one week from original quiz date, after school
 3. Quizzes must be retaken until the student achieves a 70% or higher.
- Absentee students are required to contact the teacher, before or after school, upon day of return, to make arrangements for make-up work.

Opportunities for Extra Help:

Contact your math teacher for extra help opportunities.