

SEVENTH GRADE

Math

Course Description

Seventh grade Math is a continuation of concepts learned in sixth grade Math. Topics include: decimal notation, large & small numbers, measurement, use of variable, patterns leading to addition, problem solving strategies, patterns leading to subtraction, displays, patterns leading to multiplication, multiplication patterns, and patterns leading to division.

Course Objectives

Seventh grade math will enhance the student's understanding of mathematics as it applies to their everyday lives and the other academic subject areas. The course is designed to introduce and reinforce useful math skills such as: calculator usage, critical thinking, logic, data collection & analysis, estimation, graphing, measurement, mental math, and problem solving.

Learning Activities

- Nightly homework, with periodic assigned activities
- Collaborative units
- Tests
- Quizzes
- Student worksheets
- Math manipulatives
- Individual and group participation

Course Texts

UCSPM McGraw-Hill/Wright Group Pre-Transition Mathematics 2009

Supplemental Materials

- Scientific calculator
- Compass
- Protractor
- Metric ruler
- Colored pencils
- Math Counts worksheet
- Graph paper

SEVENTH GRADE / *Honors Math*

EIGHTH GRADE / *Math*

Course Description

Develop skills in carrying out various algorithms, using mathematics properties and relationships, applying mathematics in realistic situations and picturing mathematical concepts.

Course Objectives

Topics include reading and writing numbers, variables, number and shape representation, patterns leading to addition and subtraction, geometric ideas and multiplication in geometry, multiplication in algebra, patterns leading to division and linear equations and inequalities.

Learning Activities

- Nightly homework, with periodic assigned activities
- Collaborative units
- Tests
- Quizzes
- Student worksheets
- Math manipulatives
- Individual and group participation

Course Texts

UCSPM McGraw-Hill/Wright Group Transition Mathematics 2008

Supplemental Materials

- Scientific calculator/graphing calculator
- Compass
- Protractor
- Metric ruler
- Colored pencils
- *Math Counts worksheet*
- Graph paper

EIGHTH GRADE

Honors Math

Course Description

Eighth grade Math is a continuation of concepts learned in seventh grade Math. Topics include: formulas, sets, probability, addition in algebra, subtraction in algebra, multiplication in algebra, division in algebra, linear sentences, lines & distance, slopes & lines, exponents, and powers.

Course Objectives

Eighth grade Math will enhance the student's understanding of mathematics as it applies to their everyday lives and the other academic subject areas. The course is designed to introduce and reinforce useful math skills such as: calculator usage, critical thinking, logic, data collection & analysis, estimation, graphing, measurement, mental math, and problem solving.

Learning Activities

- Nightly homework, with periodic assigned activities
- Collaborative units
- Tests
- Quizzes
- Student worksheets
- Math manipulatives
- Individual and group participation

Course Texts

UCSMP McGraw-Hill/Wright Group Pre-Transition Mathematics 2009

Supplemental Materials

- Scientific calculator
- Compass
- Protractor
- Metric ruler
- Colored pencils
- Math Counts worksheet