

ST. LUKE'S SCHOOL

Course Name: Seventh Grade Mathematics

Instructor's Name: Nancy Knewstep

About the Teacher: I received my B.S. from Virginia Polytechnic Institute and State University and have taken a number of continuing education classes during the ensuing years. My previous teaching experiences include Headstart in Fairbanks, Alaska, and teaching the gifted elementary program at Orange Elementary, as well as day care work and working with special education. This will be my 24th year with St. Luke's. My daughter Lindsey is a graduate of St. Luke's and is attending Jefferson College of Health Sciences in Roanoke, VA.

Contact Information: Planning at school—4th and 5th period

School: 825-1776, ext. 54

Email: nknewstep@stlukeslutheranschool.com

Home: 6-9 p.m.-School Directory

Textbook: McDougal Littell *Math Course 3*

Units to be Covered:

1. Variables and equations
2. Integer operations
3. Solving equations and inequalities, simple and multi-step
4. Factors, fractions and exponents
5. Rational number operations
6. Ratio, proportion and percent
7. Geometry; polygons, right triangles, area, volume, measurement
8. Solution of written problems using all of the above

Method of Delivery: Lecture, notes, discussions, cooperative learning, calculations, homework, reading

Learning Goals:

1. Students will be able to understand and work with place value and the rounding of numbers.
2. Students will understand and be able to calculate all operations using integers, fractions and decimals
3. Students will learn the basics of geometry using points, lines, planes, angles.
4. Students will learn and practice using rulers, compasses and protractors.
5. Students will learn to read and plot graphs.
6. Students will learn to convert measurements between

metric and customary units.

7. Students will learn to find square roots.

8. Students will learn to distill every day situations given as arithmetic problems into appropriate operations and calculate correctly.

Assignments, Evaluation and Grading:

Homework-- Homework is for student practice and self evaluation of material covered. Students are expected to complete all homework assignments. If a student is having difficulty with the homework he/she should contact me before class. Class participation and completion of homework is taken into consideration for the overall grade.

Speed Drills-- administered every Friday and are 10% of their grade

Quizzes-- generally administered mid-chapter

Tests-- administered at the end of each chapter

Class participation

Grading Scale: School Policy