

ST. LUKE'S LUTHERAN SCHOOL

Course Name: Seventh Grade Mathematics

Instructor's Name: Bethany Craig

About the Teacher: Bethany Craig has a B.A. from Hunter College in NY, NY and holds a Masters in Education degree from Antioch New England Graduate School. She is joining the St. Luke's community for her third year having come most recently from eleven years of teaching at the Charlottesville Waldorf School. At the Waldorf School she had the opportunity to teach all academic subjects to Grades 1- 6 as well as some artistic and music classes. Previous to this, she taught both on the preschool and elementary level in a small Waldorf school that she had founded in 1987. She lives with her husband in Hood, just south of Madison and has four grown children living in Charlottesville, Richmond, and Newport News. With a background in art, she loves to draw and she sings in the choir of the Piedmont Episcopal Church. She has frequently volunteered in youth oriented projects in both Madison and Charlottesville and is now very happy to have joined the faculty here at St. Luke's

Contact Information:

Planning time at school – Monday-Friday, 5th and 6th periods

School #: 825-8890

Email: bcraig@stlukes-school.org

My home phone number can be found in the school directory and I can usually be reached between 8:00 – 9:00 PM.

Course Text/s: McDougal Little *Math Course 3*

Other Materials Used:

1. Teacher generated materials
2. Written arithmetic problems from eduplace.com given as the "Problem of the Week."

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

Methods of Delivery: Lecture, discussion, reading, calculation, homework, cooperative learning

Planned Field Trips: None planned for this class at this time.

Learning Goals (i.e. what each student should know and be able to do by the end of this course):

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 & Grading Policy:

1. Grades will come from a variety of sources: Chapter tests, quizzes, completed homework, projects and reports, and class participation.
Breakdown is as follows:
Chapter tests– 40%
Quizzes - 20%
Speed Drills – 10%
Completed homework – 10%
Class participation – 20%
2. If a homework assignment is not done or is incomplete, the student will attend afternoon study hall according to school policy. If a graded assignment is late, points may be taken off to reflect this.

Grading Scale: School policy

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