

Text

Mathematics Applications and Connections Course 2. New York NY:
Glencoe/McGraw Hill, 2001
<http://www.glencoe.com/sec/math/mac/mac01/course2/>

Expectations/Guidelines

1.) Pay close attention in class. Ask questions if you do not understand something. Actively participate in class and group activities. 2.) **Study!** Yes, it is important to study math! Review homework problems, quizzes and tests. Study flashcards. Study vocabulary. Practice problems.
3.) Homework is assigned nightly. Show all work on assignments. All homework problems are to be attempted on paper. This is the only way I know that the student has tried the problems. Written work helps me see the student's thought processes.
4.) After checking work in class, students should correct their problems so they they have accurate work from which to study. 5.) Tutoring is available before and after school. If a student is struggling, seek extra help before he or she gets behind.

Materials

The following items are to be brought to school everyday. 1.) Expandable folder with pocket devoted to math for keeping all homework, handouts, quizzes, and tests in order. 2.) Loose leaf paper or notebook 3.) Sharpened pencils 4.) Correcting pens/pencils 5.) Covered text 6.) Assignment book

Class Format

1.) We usually begin class with student questions about homework from the previous night. 2.) Homework is checked. Students have time to make some corrections while we go over any additional homework questions. 3.) New math material is introduced. Examples are done. 4.) Students practice the skill on individual whiteboards or in small group activities. 5.) Homework for the night is assigned and students record the homework in their assignment books. If there is time, students begin their assignment.

Grading Policy

1.) The quarter grade is calculated by dividing total points earned by total possible points. 2.) Tests are always announced and usually worth 100 points. 3.) Quizzes are announced most of the time. Unannounced quizzes are given covering basic skills. Quizzes are worth anywhere from 5 points to 40 points. 4.) Homework is worth 5 to 15 points. Unfinished problems or excessive mistakes result in a lower score.

5.) Extra credit points can be earned by completing online textbook quizzes and emailing the results to m.huth@stgabeschool.org.

Curriculum

Geometry: angles, polygons, triangles, quadrilaterals, tessellations, translations, reflections, area Order of operations, algebraic expressions, powers, exponents, equations Decimals, measurement, decimal/fraction relationship Analyzing data: various graphs; mean, mode, median; misleading graphs Divisibility patterns, prime factorization, GCF, LCM, ratios, percents/fractions/

decimals Integers Two-step equations, functions Fractions Ratios, rates, proportions, scale drawings, percents/fractions/decimals, percents

of numbers Squares, square roots, Pythagorean theorem, additional area exploration Application of percents Volume and surface area Probability