

**ROSLYN MIDDLE SCHOOL
MATH 7 ACCELERATED**










I. Aims and Objectives

Mathematics 7 Accelerated is a rigorous course designed for students who demonstrate outstanding ability and achievement in mathematics. By the end of grade 7 students will have completed the mathematics curriculum offered in grades 7 and 8.

In addition to the development of skills necessary for the students' progression to the next level in this subject area, we seek to cultivate a sense of appreciation of mathematics for its aesthetic value. The development of study skills is of paramount importance and is addressed throughout the year. Students on each team will be involved in interdisciplinary projects at which time they will apply mathematics across the various curricular areas. Furthermore, they will learn the importance of being math literate in today's society and the impact of this value on the decision making process.

II. Course Content

The units listed below will be discussed during the course. There are many sub-topics that will be developed within each major unit:

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|  Algebra |  Probability |
|  Number theory |  Geometry and measurement |
|  Integers |  Applications & Problem Solving throughout each unit |
|  Ratio and proportion |  Transformations |
|  Percentage | |

III. Expectations and Requirements

There are many elements that make up a successful experience in Math 7 Accelerated. Each student should come to class prepared with the correct materials, textbook (McDougal Littell - Pre-Algebra), notebook, paper, and pencils. In addition, a student is expected to take notes on work done in class, be a participant in classroom discussions, give his or her full attention to the lesson, be highly proficient in basic arithmetic skills, and complete assigned homework. Since this is an advanced course of study, it is assumed that each student is highly motivated and should maintain an of average at least “85” throughout the year.

IV. Evaluation System

A student will be evaluated on the basis of periodic tests and quizzes, both announced and unannounced, performance on midterm and final exams, neat and accurate classwork/notes, and regular completion of homework assignments.

V. Course Sequence to Follow

Integrated Algebra 1 Honors or Research Honors

VI. New York State 7th Grade Assessment

All students will be required to take the New York State Seventh Grade Assessment in mathematics in March, 2009.