

M A T H

Mr. Sautter

845-298-5200 x50923
christopher.sautter@wcsdny.org

Honors

P⁵

- ❖ Be Prompt
- ❖ Be Prepared
- ❖ Be Positive
- ❖ Be Productive
- ❖ Be Polite

What to Expect...

- *Pick up papers on your way in and check to see if you need your calculator and/or any other needed supplies
- *Find your seat and take out your homework (make sure you have a pencil!)
- *If you were absent check the "While You Were Out" board to see what you missed
- *On a typical day, we will begin with a few questions or a reflection on the homework (2 - 5 minutes), review any major questions on the homework and then work on a variety of activities.
- *Not every day will be "typical" though so watch out we may actually have some fun this year in math!

Grading Procedures

Each marking period grade will be determined based on a system of total points. Exams, quizzes, homework assignments, classwork assignments, projects, notebook checks, as well as participation are all included in the marking period grade. At the conclusion of each quarter, I will add all of the total points earned and divide that number by the total number of possible points. This will then determine your percentage grade.

Homework Policy

- Homework and Classwork must be done neatly in pencil on either loose leaf paper, the worksheet provided, or in your notes packet. All work must be shown and every problem assigned needs to be completed.
- All current assignments will be posted on the website.

Extra Help

If you find that you are having trouble with a topic Please speak with me as soon as possible. I will be available by appointment during some lunch periods & study Halls, and after school on some Wednesdays.

After school Homework help is available Some Wednesdays, until 3:50pm. Late buses will be available or you can have a parent/guardian pick you up no later than 3:50pm.

WEBSITE:

Can be found on the school website under teachers!

Class Supplies; (Shared with ELA, SS, Science & Math)

- ✓ A 3" three-ring binder with loose-leaf and 4 dividers
- ✓ Pencil case with pencils, pens & sharpener

Just for Math

- ✓ Earbuds/Headphones to be left in class

Scientific Calculator

Remind:

Send a text to 81010 with the message
@redmathh

Donations

Any of the following are greatly appreciated:

- Tissues
- Pencils
- Glorox Wipes

Math 7 Honors Course Syllabus M161 – Full Year

Prerequisite: Placement in the Honors program is by application. The selection process takes place at the end of the first semester of grade 6. Mathematics and Science are blocked for teaming purposes. In order to qualify for Honors Mathematics, students must meet the criteria and be accepted for both the Mathematics Honors and Science Honors programs.

Note: The junior high school Honors program is rigorous and demanding. Students are expected to meet and maintain high standards of performance in Honors courses. The program is comprehensive in scope and sequence and accelerated in pace of instruction.

Mathematics Honors is an accelerated study of mathematics. Seventh grade Honors combines two years of mathematics (Math 7 and Math 8) into one year of Math 7H.

Math 7 Honors is for students who have excelled and demonstrated a firm grasp of concepts and skills in sixth grade mathematics and science, have the teachers' recommendation. The students must display a high degree of interest in math and science, be motivated and self-directed, easily understand new concepts and principles, and display a high level of problem-solving skills.

Students who are not meeting the criteria at any time during the school year will be reviewed for possible removal from the Honors program.

Areas of Study Include:

Ratios and Proportional Relationships

- Analyze proportional relationships and use them to solve real-world and mathematical problems.

The Number System

- Apply and extend previous understandings of operations with fractions to add, subtract, multiply, and divide rational numbers.
- Know that there are numbers that are not rational, and approximate them by rational numbers.

Expressions and Equations

- Use properties of operations to generate equivalent expressions.
- Solve real-life and mathematical problems using numerical and algebraic expressions and equations.
- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.
- Analyze and solve linear equations and pairs of simultaneous linear equations.

Functions

- Define, evaluate, and compare functions.
- Use functions to model relationships between quantities.

Geometry

- Draw, construct and describe geometrical figures and describe the relationships between them.
- Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.
- Understand congruence and similarity using physical models, transparencies, or geometry software.
- Understand and apply the Pythagorean Theorem.
- Solve real-world and mathematical problems involving volume of cylinders, cones and spheres.

Statistics and Probability

- Use random sampling to draw inferences about a population.
- Draw informal comparative inferences about two populations.
- Investigate chance processes and develop, use, and evaluate probability models.
- Investigate patterns of association in bivariate data.

Assessment: Math 7H students will take the NYS Common Core Math Assessment in May, and a district-wide final exam in June.

For the complete CCSS for Math 7 Honors (7th & 8th grade math) please see:

http://www.p12.nysed.gov/ciai/common_core_standards/pdfdocs/nysp12ccslmath.pdf

Textbook: Big Ideas Math – *Red Accelerated*, published by Big Ideas Learning LLC, © 2014