Course Syllabus and Classroom Procedures

MS 180 Dr. Daniel Hale Williams

8th Grade Mathematics

Ms. Pugliese and Mrs. Merchan

### **Contact Ms. Pugliese**

apugliese5@schools.nyc.gov

<http://mspugliese180.weebly.com>

Access the class webpage for any updates and assignments for the class.

**NYS Common Core Grade 8 Overview** (<http://www.corestandards.org/Math/Content/8/introduction/>)

### *The Number System*

* Know that there are numbers that are not rational, and approximate them by rational numbers.

*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*

* 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*

* Investigate patterns of association in bivariate data.

*Mathematical Practices*

* 1. Make sense of problems and persevere in solving them.
	2. Reason abstractly and quantitatively.
	3. Construct viable arguments and critique the reasoning of others.
	4. Model with mathematics.
	5. Use appropriate tools strategically.
	6. Attend to precision.
	7. Look for and make use of structure.
	8. Look for and express regularity in repeated reasoning.

**Materials**

* Pencils
* Highlighters (different colors)
* Notebook with folder **or** Binder with dividers
* Colored pen for corrections
* Calculator (optional)

**Grading Policy**

Your grade will be broken down as follows.

 Tests/Quizzes 50%

 Homework 25%

 Class Participation 25%

 *Total 100%*

* Tests/Quizzes

A test will be given at the conclusion of each unit. Students will receive a study guide or have an in class review the day before the day of the test. Students will be notified several days before the test day. Tests should be completed independently. If a student is found cheating, they will receive a zero on the test and will not be given the opportunity to make up the test. Quizzes will be given periodically throughout the unit. Students will be able to monitor their progress and understanding of the curriculum with the use of quizzes.

* Homework

Completing assigned homework is essential to success in mathematics. Homework will reinforce key math concepts discussed in class. It will be displayed on the board in the classroom as well as on the class weebly webpage. Students will be expected to hand in and/or show completed homework.

* Class Participation

Students are graded based using a rubric. They must follow the classroom rules and procedures to receive full participation points.

**Absences**

* If a student is absent, it is their responsibility to obtain any homework assignments, notes, and other pertinent information that is missed. Missed work will be accepted for up to five school days from the day of return for full credit. After five school days, partial credit will be given for up to two days.
* In the case of a missed test or quiz, the student will need to schedule a make-up day and time on the classroom calendar. Students will also have up to five school days to make up a test or quiz.
* Exceptions and additional time may be given in unique and select circumstances determined by the teacher and/or administrator.

**Behavior and Classroom Expectations**

* Come to class prepared and ready to learn with a positive attitude each day. Students will not be allowed to leave the classroom to go to their lockers during class.
* Respect yourself, others, and this classroom at all times.
* No talking while others are sharing their ideas and thoughts.
* If you have something to share, please raise your hand to speak.
* Always work to the best of your ability and never hesitate to ask a question.

------------------------------------------------------------------------------------------------------------------------------

Please tear off and return to Ms. Pugliese and Mrs. Merchan.

I HAVE READ AND UNDERSTAND THE MATH SYLLABUS LISTED ABOVE.

Class 806

Student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent/Guardian\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Parent/Guardian Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_