MANHATTAN HIGH SCHOOL/P.35M

522 West 44th Street, New York, NY 10036

Telephone: (212) 465-4390   Fax: (212) 465-4391

MARTA BARNETT
Gavriel Berkovits   **Principal**
Assistant Principal

[Spring 2019] Ms. Jin's Geometry (2/2)   Course Code: MGS22QQB-01

Content Emphases:

Domain	Cluster	Learning Standards (CCLS)
Congruence	Experiment with transformations in the plane	G-CO.1, G-CO.2, G-CO.3, G-CO.4, G-CO.5
	Understand congruence in terms of rigid motions	G-CO.6, G-CO.7, G-CO.8
	Prove geometric theorems	G-CO.9, G-CO.10, G-CO.11
	Make geometric constructions	G-CO.12, G-CO.13
Similarity, Right Triangles & Trigonometry	Understand similarity in terms of similarity transformations	G-SRT.1a, G-SRT.1b, G-SRT.2, G-SRT.3
	Prove theorems involving similarity	G-SRT.4, G-SRT.5
	Define trigonometric ratios and solve problems involving right triangles	G-SRT.6, G-SRT.7, G-SRT.8
Circles	Understand and apply theorems about circles	G-C.1, G-C.2, G-C.3
	Find arc lengths and areas of sectors of circles	G-C.5
Expressing Geometric Properties with Equations	Translate between the geometric description and the equation for a conic section	G-GEP.1
	Use coordinates to prove simple geometric theorems algebraically	G-GEP.4, G-GEP.5, G-GEP.6, G-GEP.7
Geometric Measurement & Dimensions	Explain volume formulas and use them to solve problems	G-GMD.1, G-GMD.3
	Visualize relationships between two-dimensional and three-dimensional objects	G-GMD.4
Modeling with Geometry	Apply geometric concepts in modeling situations	G-MG.1, G-MG.2, G-MG.3

Course Description:
Welcome to continuation of Geometry!
The fundamental purpose of the course in Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations (Source: EngagyNY.com). This course is meant to prepare you for the Regents Examination in Geometry scheduled on **Friday, June 21, 2019 at 9:15AM.**

Unit Overview
Unit 6 – Polygons and Quadrilaterals/Coordinate Geometry
Unit 7 – Similarity   + Construction
Unit 8 – Right Triangles and Trigonometry   + Miscellaneous Topics/Cumulative Review
Unit 9 – Transformations
Units 10&11 – Area, Surface Area and Volume
Unit 12 – Circles
Course Materials:

- 3-ring binder (Highly recommended but a separate math notebook would also work)
- Looseleaf papers
- 2 Pocket Folders
- Pencils
- Graphing Calculator (Will be provided to you. Please keep the calculator clean and in good shape)

Grading Policy:
Classwork/Participation (30%): For each day you are in class and not excused, you must participate by:
- Coming to the room on time, ready to work with all the materials listed in the course syllabus
- Engaging in the activities to the best of your ability as measured by completion of in-class assignments.

For each day, you earn a 10 (=100%) mark in participation. Please note that there is 1/2-point deduction for every lateness; **0 for use of cellphone** or any other electronic devices (unless you have a permission).

Unit Exam (15%) & Quizzes/Other Assessments (15%): After each assessment, you will have a chance to make up half of the credit you have missed by doing a test correction. One lowest QUIZ grade will be dropped per marking period. If you miss an exam and/or a quiz, please see me to schedule a makeup within a reasonable period of time, e.g, within a week. *Also see below for make-up policy

Projects (20%): You may be assigned one or two projects per marking period. If a marking period passes without an assigned project, the 20% weight will be redistributed evenly amongst the other three categories.

Homework (20%): You will have short assignment on a daily basis (except before an assessment/major holidays). *See below for make-up policy.

As per the school grading policy, all grades will be numerical, with the exception of incomplete grades and students auditing the course. Any students who receive an incomplete will be given makeup work to complete by the term following the end of the course. This work will then be graded and averaged together with the work completed during the course to compose a final numerical grade.

Expectations and Procedures:

1. USE OF CELLPHONE OR ANY OTHER ELECTRONIC DEVICES ARE STRICTLY PROHIBITED. (See Grading Policy - Classwork/participation)
2. Keep the room clean.
3. Be responsible. Come to class on time with a positive attitude.
3. Be respectful to others; treat others how you want to be treated.
4. One person out of the classroom at a time.
5. Always put forth your best effort. Grades are achieved, not received.
6. Be polite and use proper language in class.
7. Look and listen during the lesson. Raise your hand if you need to speak.

*****Make-up Policy:** Missed tests or quizzes should be made up immediately following the student's return to school with an excused absence note. Homework, classwork and all other assignments are to be handed in on the due date assigned by the teacher. Students are held responsible for reaching out to teachers if there is any foreseeable obstacle regarding an assignment before the due date. Late assignments are subject to incremental deductions as per the teacher's discretion and are accepted (no more than 5 assignments all at once) until the assignment is no longer relevant.

If you have any questions, concerns, and/or comments, do not hesitate to email me at **jjin3@schools.nyc.gov**. We can also arrange a meeting during the school hour.

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Homework #0 -

Please sign and return this page to Ms. Jin by **Friday, February 8, 2019.**

I, _____, (student) have read and understand the
**   Last, First (Print)**
requirements of this course.

Student Signature _____ Date: _____

Student's Email Address:_____

I, _____, (parent/guardian) have read and understand the
**   Last, First (Print)**
requirements of this course.

In case of an emergency and/or any other concerns regarding my child, I can be reached at:

Phone Number:_____ Most convenient hour:_____
                                                   (example: After 5PM)

Email Address:_____

Parent/Guardian Signature:_____ Date:_____