

Geometry 2026 - 2027

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This course will focus on the branch of mathematics known as Geometry. All of the material of this course will be made available through [Google classroom](#) as well as other digital platforms. Your teachers will be available in school to answer your questions and help you when needed, but you are welcome to email questions at any time. This school year we will explore both two dimensional and three dimensional figures and their various properties. This course also covers topics that have been covered in Algebra to a broader extent. The topics to be covered are: [Constructions and Rigid Transformations](#), [Congruence](#), [Similarity](#), [Right Triangle Trigonometry](#), [Solid Geometry](#), [Coordinate Geometry](#), and [Circles](#). The Course objectives are: to develop a deep understanding of geometric principles; Learn to apply transformations and constructions in various contexts; Build problem-solving and reasoning skills through geometric problems.

Grading

It is the responsibility of the student and family to check [Google classroom](#) & [SyncGrades](#) at least once a week to keep track of grades and assignments. Your overall Geometry grade will consist of the following criteria:

40% Assessments	20% Summative: Unit Exams, Performance Tasks, Projects
	20% Formative: Quizzes, Cool Downs/Mastery, Exit Tickets
60% Content & Applications	30% Classwork: Do Nows, Practice, Revision
	20% Homework: Videos and Notes
	10% Participation: Discussions, Questions, Engagement

Expectations

The math classroom (whether digital or otherwise) is a place for a safe, open environment from which students can communicate and disagree without fear of persecution. This course includes critical thinking as well as the ability to defend ideas and opinions as others may disagree. All ideas and opinions are equally accepted as long as they are **not offensive** and **can be defended and explained** to others respectfully. A high level of respect is expected from everyone: students, teachers, administrators, and parents-alike.

This year, we are working with a **culture of mastery**, so expect to spend time practicing and working on skills as the bulk of your grade will be based on your mastery of the [standards](#). This will require some independence as well as gathering and sharing of resources. Be prepared to struggle and grow.

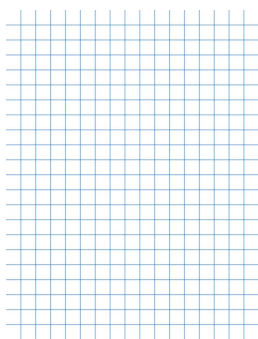
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Everyone is not good at everything and no one is good at *nothing*. This is expected, we are humans, we have limitations, we make mistakes, being wrong is okay. Kim Sutton speaks to that sentiment when she said “struggling in mathematics is no more the enemy than sweating is the enemy in basketball; it is part of the process, and a clear sign of being in the game.”

Materials & Supplies List

A binder section (for worksheets) 	The usual writing materials -pencils & pens 	Assorted highlighters 	One pack of graph paper 
TI-84 Plus CE graphing calculator (<i>NOT a Scientific calculator: more info below</i>) 	Safety compass for circles (the one with the lock is usually best) 	Your school tech (<i>laptop /ipad/tablet provided by NYCDOE</i>) You can also bring your own personal device and charger, just make sure it is manageable to carry around all day	

If you have the privilege of being able to purchase a calculator, we'll be using the [TI-84 Plus CE graphing calculator](#). **Otherwise, if you have access to a friend/family member's graphing calculator already, you DO NOT need to purchase a new one**, we can learn with *any* graphing calculator. This calculator can be used on all standardized tests and assessments including Regents, PSATs, SATs, & ACTs.

If there are any financial hardships that make it difficult to acquire any of these supplies please let me know! You can email me privately or speak to me after class. Scholarships are available to those in need.