

# Geometry

## 2015-2016 Course Guidelines and Expectations

### Objective/Course Description:

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. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school CCSS. 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. © 2013 Common Core, Inc. Some rights reserved. [commoncore.org](http://commoncore.org) Students will take the NYS Common Core Geometry Regents Exam in June which accounts for 20% of the final course grade.

### Materials: The following materials are required for the course: **(Please have by the 3<sup>rd</sup> day of class)**

1. A three ring binder (1 to 2-inch) with dividers
2. Loose-leaf paper
3. Graph paper (1/4 square inches)
4. Pencils and good erasers
5. 1 set of colored pencils (at least three colors; helpful for homework and in-class work)
6. Compass for constructions (does not need to be fancy, but constructions will be in homework)
7. TI-84 Plus graphing calculator or TI-83 Plus Graphing Calculator  
*There are several types of graphing calculators available. It is recommended that your child have a Texas Instruments TI-83 plus or TI-84 plus edition, as these are the most commonly used and easily supported in class. Calculators on electronic devices such as cell phones, ipods, etc. will not be permitted in the classroom.*
8. Zipper pouch (big enough to hold colored pencils and compass)

### Grading: Each quarter grade accounts for 20% of the final course grade. Quarterly grades will be based on Homework, Cumulative Review Assignments, Quizzes, and Tests in the following ratios:

Homework	10%
Cumulative Reviews*	15%
Quizzes	15%
Tests	60%

**\*Cumulative Reviews are important for three reasons:** They help students remember topics taught in earlier units, they expose students to many different types of problems, and they help students prepare for the Geometry Regents Exam. Cumulative Reviews will be given at the end of each unit of study and more frequently as we approach the end of the year and the Regents Exam. Students will generally be given about a week to complete a cumulative review. Students may consult notes/textbooks and/or stay after for help from a teacher. Cumulative reviews will be graded.

### Homework: Mathematics is not a spectator sport. We learn math by doing math. Therefore, **practice is essential to succeed in geometry**. Homework will be assigned daily and checked each class. Homework assignments will be printed on each unit outline. Unit summaries and vocabulary will be due on each respective test day.

**For full credit**, students need to show their work that demonstrates their understanding and be prepared to ask questions regarding concepts and problems for which they need more understanding. Problems showing only the final answers and proofs without drawings/graphs will not receive full credit.

### Quizzes/Tests:

- o Quizzes will be scheduled on each Unit Outline. Unannounced/Homework quizzes may be given at any time.
- o Tests will be given at the end of each unit and need to be completed within the class period unless students have approved accommodations.

### **Absences**

In geometry, one day's lesson prepares you for the next day's lesson so try to minimize absences. If an absence is unavoidable, you are responsible for making up the work in a timely manner. Upon your return, coordinate with your teacher to make up notes, homework, quizzes and/or tests. Many lesson materials can also be obtained before an absence if your teacher knows in advance or accessed through the teacher's website.

### **Extra Help:**

Generally, Geometry teachers are available after school Tuesday, Wednesday, and/or Thursday. Refer to your teacher for room location and availability.

\*Additional help is also available online through our textbook company Holt (see separate instructions and each unit outline) and in the Math Office room 305 (see posted schedules in classrooms and the Math Office door).

### **Online Grading:**

Teachers use the online grade book SchoolTool. Using the SchoolTool Parent Portal, students and parents can track the student's progress at any time. Everyone has his/her own password so grades are always private. Students should use this tool to monitor their grades regularly. To sign up for a Parent Portal account or to login to an existing account, point your browser to [www.bsccd.org](http://www.bsccd.org) and under the Parent Resources menu, choose Parent Portal.

### **Classroom Expectations:**

#### **1. The classroom is a safe place. Everyone is expected to:**

- a. Follow all school rules.
- b. Be respectful of others.
- c. Be attentive to and supportive of the teacher and classmates.
- d. Listen when others are speaking.
- e. Come to class on time with materials and be prepared to begin immediately.
- f. Contribute positively to the learning community in our classroom.

#### **2. The classroom is a place of learning. Students are expected to:**

- a. Be actively engaged in learning by participating in class discussions and lessons.
- b. Take good notes; these will be essential for solving homework problems.
- c. Complete all assignments thoroughly and on time, showing individual work.
- d. Support and respect the learning styles and questions of fellow classmates.
- e. Stay seated until the bell rings for class dismissal.
- f. Take care of personal needs (drink, locker, and restroom) between class periods.
- g. Not have food, drinks other than water, or electronic devices in class.

### **Teachers:**

Ms. Greening  
[JGreening@bsccd.org](mailto:JGreening@bsccd.org)

Mrs. Grube-Edwards  
[SGrube-Edwards@bsccd.org](mailto:SGrube-Edwards@bsccd.org)

Mrs. Walkanowski  
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