

## **GEOMETRY STUDENT REQUIREMENTS & EXPECTATIONS**

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### **Geometry requires students to have mastered the fundamental skills of Algebra 1.**

Students must have mastered the fundamental skills of Algebra 1. Only when they have mastered the basic mathematical skills that involve computation, problem solving and calculation in addition to the concepts of Algebra 1 they are prepared for the study required of Geometry.

### **Geometry requires students to work independently.**

Students often have to work on assignments without detailed instruction. Students are responsible for asking questions when they do not fully understand the material. Students must be prepared to spend a greater amount of time on homework. In addition, they must seek extra help, if needed, and make appointments with the teacher to obtain added support.

### **Geometry requires students to develop personal commitments and a strong work ethic.**

Simply attending classes and behaving acceptably is not adequate. Students must participate in discussions and activities. They must develop an active interest in the concepts they are learning, engage these concepts and actively seek answers to questions. Students must commit to doing their best work, not the least work for a high grade.

### **Geometry requires students to value learning.**

While grades are important and taken seriously, learning must be the first priority of students. Students must be able to learn from mistakes. The thinking skills students practice are abstract and often have ambiguous answers. Students must learn to cope with ambiguity and to think through complex questions.

### **Geometry requires students to maintain a positive attitude.**

Students cannot resist a task because it is new or difficult. When work is “easy,” students may be practicing skills rather than learning new ones. Discomfort with new tasks is normal and students must be willing to take risks. They must do their best on work they may not like and strive to see the purpose of the work they are doing.

### **Geometry requires students to take an interest in the subject.**

Students must be willing to analyze their work in detail and participate in lengthy discussions and projects. Each level of honors math class is preparation for the next. Students must not limit themselves to the assigned material, but continually strive to learn more by engaging in outside study of mathematics.