**Ms. Potopa**

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**Syllabus for Geometry**

**Course Overview**

This course is designed to teach geometric concepts that include points, lines and planes; parallel lines; ratios and proportions; the Pythagorean Theorem; and special right triangles. The course will also cover properties of quadrilaterals and circles; finding perimeter, area, circumference, surface area, and volume of a variety of geometric figures; reasoning and proofs; and proving triangles congruent. Each week, students will also practice SAT and ACT math problems.

**Major Course Objectives**

Students will be able to…

* identify the essentials of Geometry.
* identify parallel lines and the angles formed by them.
* solve ratios, proportions and the geometric mean.
* use properties of right triangles to solve problems.
* find surface area and volume of solids.
* use properties of circles to solve various problems.
* focus on the role of reasoning in geometry and prove triangles congruent.

**Textbook, Instructional Materials, Resources**

Larson, Ron. (2011) Geometry. Houghton Mifflin Harcourt Publishing Company. Orlando, Florida.

**Grading**

Grades will be determined as a straightforward percentage of earned points divided by possible points. For each marking period students will earn points through homework and in class assignments, tests, and quizzes. At the end of each marking period, points will be totaled and divided by total possible points to determine the marking period grade.

**Technology**

Students will be instructed on proper use of iPads. Notes may be taken on the iPad if the student prefers. There will be assignments posted on eBackpack occasionally and eBackpack will be used on snow days and Virtual days. Parents and students may check PowerSchool for graded assignments and tests. All the rules in the student handbook for use of iPads will be enforced within my classroom.

**Student Expectations**

* General Expectations

Be ***On Time!*** Be ready to learn when the bell rings.

Be ***Prepared!*** Bring all required items for class each day.

Be ***Respectful!*** Show respect towards teachers and fellow students.

Be ***Involved!*** Take an active role in your learning.

Abide by all rules set forth and outlined in the student handbook.

* **Preparedness**

Students should be prepared for class each day with: Pencil, fully charged iPad with textbook on it, a scientific calculator(which will be used at the teacher’s discretion), a neat notebook/binder, and handouts given by the teacher, and assigned homework.

* **Homework**

Homework is expected on the assigned due date. Late work **may** be accepted at the discretion of the teacher but will be subject to a penalty.

* **Attendance and Absence (make up work)**

Students are expected to attend class each day. If a student is absent, it is his/her responsibility to speak to the teacher about missed notes and assignments. The students will be given a certain amount of time decided by the teacher to turn in make-up work. This will vary depending on the amount of days absent. Failure to return make-up work when told will result in a zero.

* **Conduct**

Students are expected to follow the classroom rules given by the teacher and also to abide by the rules stated in the student handbook. Students should always be respectful toward the teacher and classmates.

* **Attitude**

Students are expected to have a positive attitude. By doing this, students must tackle the unknown and difficult; be willing to take risk; commit to doing their best; and should see the purpose of the work.

**Acknowledgment:**

Please sign and return this sheet by Friday September 3, 2018. A copy of this syllabus can be found on my Weebly page or on eBackpack.

I have read and understand the course description and student expectations for Ms. Potopa’s Geometry class.

Student’s Name: Date:

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Student’s Signature: Date:

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Parent’s Name: Date:

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Parent’s Signature: Date:

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