Geometry
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Prerequisites:
- Algebra I
- This course requires a placement test. Students previously earning a B or higher in the prequisite WHCT math class are exempt from the placement test.

Course Description:

This course provides an introduction to the principles and applications of geometry. Students explore the relationships between points, lines, angles, triangles, quadrilaterals, circles, and three-dimensional figures while strengthening their ability to think critically and justify their reasoning.

The course emphasizes both visual understanding and formal proof, helping students move beyond memorization to true conceptual mastery. Through guided instruction and structured practice, students learn to apply theorems and solve multi-step problems with confidence.

Commitment:

- This course meets twice a week.
- At the beginning of each quarter, students will receive assignments and due dates. Assignments will be a mix of MathXL, textbook exercises, and teacher created resources. For each textbook exercise, students are expected to show appropriate work written neatly.
- Students are expected to check answers to odd-numbered textbook exercises in the back of the textbook.
- Even number exercises will be graded for accuracy.
- Unit tests will be administered at home.

A typical class will look like...

Class begins with a focused warm-up that reviews prior concepts and homework questions/review. New material is introduced through clear, step-by-step instruction. Students work through examples independently and collaboratively. Then, students apply concepts to multi-step problems, real-world applications, or standardized test-style questions. Ongoing focus throughout the period includes: logical reasoning and structured argumentation, strong diagram analysis skills,
algebraic precision within geometric contexts, confidence in tackling complex, multi-step problems, and preparation for Algebra 2 and standardized assessments.

✅ Books and Supplies

Prentice-Hall Geometry on Level 2011 edition - ISBN-10: 0133500411 OR - ISBN-13: 978-0133500417	binder with tabs labeled notes, homework, study materials, and assessments	loose-leaf paper & loose-leaf graph paper
• MathXLforSchool access code (provided by tutor via lab fee)	• ACT-approved graphing calculator (TI-84+ preferred)	*The following tools: pencils, compass, and protractor*