



Phone: 713-688-1361

Website: www.houstonisd.org/waltrip

GEOMETRY SYLLABUS

Welcome to the new school year!

In Geometry, students will build on prior knowledge and skills for mathematics in K-Grade 8 and Algebra I. You will develop reasoning and problem-solving skills as you study topics such as congruence and similarity, and apply properties of lines, triangles, quadrilaterals, and circles. You will also develop problem-solving skills by using length, perimeter, area, circumference, surface area and volume to solve real-world problems. We will also study probability theory/skills.

Coverage and Scope

Geometric Foundations with Algebraic Connections
Conditional Statements
Parallel and Perpendicular Lines
Equations of Parallel and Perpendicular Lines
Triangle Inequality Theorem
Generalizations About Triangles
Corresponding Parts of Congruent Triangles
Triangle Proofs
Relationships Within Triangles
Transformations
Similarity
Polygonal Angle Sum Theorem
Properties of Quadrilaterals
Right Triangles and Trigonometry
Trigonometry and Area
Surface Area
Volume
Circle Measurement
Circles in the Coordinate Plane
Circle Theorems
Areas of Circles and Polygons
Experimental and Theoretical Probability
Permutations and Combinations
Compound and Conditional Probability

S. P. Waltrip High School (2018-2019)

Teacher

Mr. Lynch
Room 1121
Tutorials: Tuesday-Wednesday (8:00-8:30 a.m.)
clynch@houstonisd.org

Textbook: Pearson Texas Geometry
(Available on the HUB)

Materials Needed

3-ring binder and dividers
Loose-leaf paper/graph paper
Pencils/pens/highlighters

Six-Weeks Weighted Grading Average

Classwork/Homework	50%
Tests/Projects/Quizzes	30%
Daily/Participation	20%

Semester Average

Six-weeks grades	75%
Final Exam	25%

Classroom Norms

- Arrive to class **on time** and be in your seat when the tardy bell rings (*tardies* are not acceptable).
- Bring your laptop (fully charged) and all materials with you to **every class meeting**.
- Laptops are to be used responsibly as directed by your teacher. Inappropriate use will result in loss of laptop privileges for that class period.
- Follow oral and written directions.
- Put forth your **BEST EFFORT**
- Cell phones, electronic devices, earbuds, etc. are **not** to be used during class time. They should be turned off and put away out of sight. Your phone will be confiscated if you use it while class is in session without permission from your teacher; parent conference may be required for noncompliance; further disciplinary action will be taken if necessary.

