



**Phone: 713-688-1361**

**Website: [www.houstonisd.org/waltrip](http://www.houstonisd.org/waltrip)**

**Instructor:** A.Salgado

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**Room:** 1130

**Tutorials:** Each Thursday from 4:15 – 5:15 and by appointment

**Conference:** 6<sup>th</sup> period

Welcome to Geometry! Read the following carefully and keep it in the front of your binder or folder.

## **COURSE OVERVIEW**

Geometry (Greek γεωμετρία; geo = earth, metria = measure) is a part of mathematics concerned with questions of size, shape, and relative position of figures and with properties of space. Geometry is one of the oldest sciences. Initially a body of practical knowledge concerning lengths, areas, and volumes, in the third century B.C., geometry was put into an axiomatic form by Euclid, whose treatment - Euclidean geometry - set a standard for many centuries to follow.

## **Ongoing Objectives**

- By the end of this course, the student will have mastered the Math skills as written in the Texas Essential Knowledge and Skills for Geometry
- By the end of this course, the students will be able to:
  - Use the process skills to understand the connections between algebra and geometry and uses the one- and two-dimensional coordinate systems to verify geometric conjectures.
  - Use the process skills to generate and describe rigid transformations (translation, reflection, and rotation) and non-rigid transformations (dilations that preserve similarity and reductions and enlargements that do not preserve similarity).
  - Use the process skills with deductive reasoning to understand geometric relationships.
  - Use constructions to validate conjectures about geometric figures.
  - Use the process skills with deductive reasoning to prove and apply theorems by using a variety of methods such as coordinate, transformational, and axiomatic and formats such as two-column, paragraph, and flow chart.
  - Use the process skills in applying similarity to solve problems.
  - Use the process skills to understand and apply relationships in right triangles.

## **CURRICULUM RESOURCES**

The lessons and activities you will complete this semester will come from the primary sources listed below:

- Houston Independent School District Curriculum
- Laying the Foundations Curriculum
- Imagine Math

## **ASSESSMENTS**

This year, all Geometry students at Waltrip High School will take Common Based Assessments. Be prepared to do your best in our discovery of Geometry. Tests are fun!

## **ASSESSMENT RETAKE POLICY**

Within HISD policy, students are allowed a retake any test failed during the school year. In the Geometry, our retake policy is as follows:

1. Students will have one week to retake an assessment.
2. Students must attend one Tutorial session from ANY math teacher before retaking the assessment.

## **PLAGIARISM/CHEATING AND CELL PHONE**

Cheating undermines the necessary trust between students and teachers and is unacceptable conduct. Students who engage in cheating or plagiarism will be subject to academic consequences, including a lowered or failing grade as well as the possibility of additional administrative actions.

## **CALCULATOR**

TI 84-Plus will be used in the classroom. In-class calculators will be assigned by number to each student, or students may choose to purchase their own.

## **CLASS MATERIALS (REQUIRED)**

- 2 composition notebooks
- 1 pocket folder with brads
- loose-leaf paper
- pencils/pens

Your notebook may be kept in the classroom. Keep in mind that your teacher is not liable for anything that may happen to your notebook while it is in his or her room. You will have the option for taking the notebook home, studying, and bringing it back as needed. Also, there will be random notebook checks in-class that will count as a grade. Be prepared and organized always!

## **GRADING SCALE**

Tests/Projects	30%
Daily	50%
Participation/HW	20%

## **HOMEWORK:**

Expect to have homework weekly.



**Waltrip High School**  
**Geometry Course Student and Parent Signature Form**

I have read the Geometry Syllabus and accept responsibility for meeting these expectations in this Geometry class at Waltrip High School.

Student name: \_\_\_\_\_

Date: \_\_\_\_\_

Student signature: \_\_\_\_\_

Parent name: \_\_\_\_\_

Date: \_\_\_\_\_

Parent signature: \_\_\_\_\_

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**Parent Contact Survey**

Parent/Guardian Name: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Alternate Phone Number: \_\_\_\_\_

Best Time to Call: \_\_\_\_\_

Email Address: \_\_\_\_\_

Best mode of communication:    Phone call                      Text                      Email