

Geometry
2020-2021 Course Syllabus
Veterans Memorial High School

Course Description: Geometry is a term course in which the students develop reasoning skills, both inductive and deductive, and apply them to the study of measurement. The mathematical concepts learned in Algebra I are the foundation in the study of relationships among undefined terms, angles, polygons, and circles. Their properties are examined in relation to size, shape, direction, and orientation of figures. Students will learn through a variety of activities, which will include classwork, projects, assessments and hands-on activities. Problem-solving and critical thinking are essential in this advanced course. Technology resources include TI Inspire CX handheld, Chromebooks, Mimio Teach Software, Canvas LMS, and Google applications such as Forms, Doc, and Drawings. Algebra I is a prerequisite.

Course Units:

First Quarter

- 0 Kick off the Year: Foundational Skills
- I Tools of Geometry
- II Lines and Angles
- III Properties of Triangles and Special Segments/Trigonometry
- IV Triangle Congruence
- V Similarity
- VI Transformations

Second Quarter

- VII Quadrilaterals and Coordinate Proof
- VIII Properties of Circles
- IX Measurement and Modeling 2D
- X Measurement and Modeling 3D
- XI Probability

Grading Policies:

- I Refer to the current Judson District Policy: Test/Projects- 40% Daily/Quizzes- 60%
- II Students will have a minimum of **2 tests** and **1 project** per Quarter. *OPI*, Opportunities for Improvement, will include retests, alternate assignments, and tutoring.
- III Students will be assigned homework and daily work/quizzes. At least three assignment grades per week will be entered in the electronic grade book.
- IV **Late Work** will be accepted **three days** after the deadline. A deduction of 5 points will be applied for each day late. On the **fourth day**, the grade will remain as missing (**M**).
- V **Absent work** should be obtained when the student returns to class. Once the student receives work, the student will have **5 days** to turn in the missing work on time.
- VI **Retest** opportunities will be given during tutoring time or class time. Students have **5 days** after the grade and pretest are posted to retest. Retests will be forfeited when a student cheats, refuses to complete and submit classwork or homework, or habitually fails major tests on the first attempt and does not take advantage of reteaching opportunities, student-teacher conferences, and/or parent conferences.
- VII **Requiz** opportunities will be given during tutoring time or class time. Students have **5 days** after the grade is posted to redo a failing quiz.
- VIII Students may **redo 2** failing daily assignments **per Quarter**. Students have **5 days** after the grade is posted to redo a failing assignment. **Extra credit** opportunities will be given to help students improve their averages.

Resources:

- I District Geometry Curriculum
- II HMH – Houghton, Mifflin, and Harcourt Geometry textbook and online textbook Website. Students may access through their student portal.
- III TI – NSpire CX Handheld (Calculator), Calculator rentals will not be available this year as we have a limited amount. Resources for calculators can be found on my website below or in the HMH online textbook.
- IV Canvas will be used for all necessary requirements, such as announcements, assignments, quizzes, tests, notes, peer communication, and student-teacher communication.
- V Teacher Website - <https://www.judsonisd.org/Domain/2727>
- VI Graphing Calculator and Activities- <https://www.desmos.com/>

Virtual Classroom Supply List:

- District issued Chromebook or Personal Laptop/Device
- Composition Notebook
- Pencils/Pens
- Ruler
- Compass
- Protractor
- Paper and Graph paper
- Scissors
- Glue Stick
- Tape
- White Board and Fine tip Expo markers (Optional)

Face to Face Supplies:

- Composition Notebook
- 1 pack of paper
- 3 pack Glue sticks or 1 tape Refill
- 1 box of Markers
- 1 box of Colored Pencils
- 1 Pack of Pencils
- Disinfecting Wipes or 8oz bottle of hand sanitizer
- 1 box of tissues
- *Optional –scissors, highlighter, and graph paper*