

Course Syllabus: Geometry MTH171

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Course description Geometry usually follows Algebra I and precedes Algebra II. In Geometry, many of the concepts from Algebra I are employed to present, develop and use concepts involving figures in a plane (such as triangles, squares and other polygons), in space (such as cubes, rectangular solids and prisms), and other solid figures. The entire course is a development of a logical approach to reasoning and recognitions of patterns that can be applied to daily life.

Standards This course will focus on Geometric constructions, transformations, coordinate geometry, triangle properties, proofs, shapes and their properties, area, volume, probability and trigonometric relationships.

Assessments Students will complete both formative and summative assessments throughout the year. These may include quizzes, homework assignments, writing reflections, or other means of measuring progress.

Content

Reasoning and Proofs

Parallel and Perpendicular Lines

Transformations

Congruent Triangles

Circles

Circumference

Area and volume

Relationships with

*triangles, quadrilaterals,
and other polygons*

Similarity

Right triangles and

trigonometry

Probability

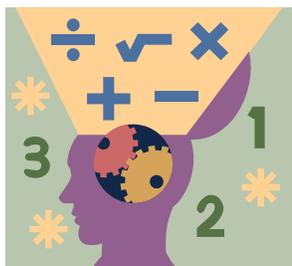


Instructional Strategies A variety of strategies will be used, including (but not limited to) group work, individual work, teacher-led activities, and problem-based activities. Technology will be used throughout the course.

Resources

1. Your **textbook**, *Geometry* copyright 2015 Big Ideas Learning.
2. Either a 3-ring **binder** with an abundance of loose-leaf paper, or at least 2 spiral notebooks and a folder.
3. **Pencils** and **erasers** – All of your math work should be done in pencil unless I tell you otherwise.
4. **Calculator – scientific calculator is HIGHLY recommended**, it will be a great advantage to have your own calculator. Some calculators I recommend is the TI-30II series. A graphing calculator will work as well.
5. A **Compass and Protractor** – You will need a small protractor to measure angles, and a compass. I highly recommend purchasing a metal compass with the pencil lead built in.
6. Your **planner** (In case you ever need to go anywhere)
7. Your **school ID** needs to be visible each period.

Academic/Behavioral Expectations:



- Attendance is very important. I will be following the school attendance plan for absences and tardies. If you miss class for any reason, you will be expected to get the notes and the assignment for those days. The assignment will be posted on my website. Handouts will be on the shelf in the classroom. Please see another student to get a copy of any notes. If you miss a test or quiz, you will be expected to make it up the next day. If you are gone for multiple days, see me to schedule a make-up timeline.

- If you know in advance that you will be missing class see me to get any handouts or assignments before your absence. You are responsible for the learning that you miss.
- I expect you to behave as mature, responsible, respectful students. Remember to show your Mustang PRIDE! Should a problem arise with behavior, attendance, or academics, I may contact your parents and/or pursue assistance from the office.

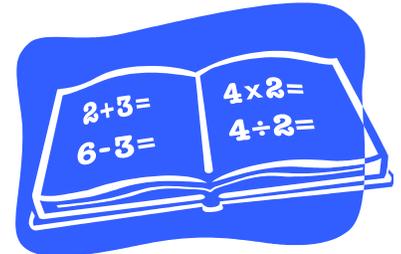
- I will follow the conduct policies outlined in your student planner. This includes responsible use of electronic devices. Should a problem arise, I may contact your parents and/or pursue assistance from the office.
- Cheating will not be tolerated! If you are found to be cheating on any work for the class, consequences may include earning a zero, contacting your parents and Assistant Principal and/or an F for the course. We will follow the plagiarism policy outlined in your planner.
- If you start to fall behind in this class, the secret is to get help IMMEDIATELY. The longer you wait, the tougher it gets to catch up. I will be available before and after school most days. Let me know when you want to come in so you don't have to spend time trying to track me down. There will be a math teacher in C241 every hour. You can also learn a lot by working with your fellow classmates. Working together is strongly encouraged.

Retake Policy To take a re-take of the chapter exam, the following interventions must be completed before you can take it.

- All homework from that chapter must be completed. You need to complete the assigned chapter review problems and turn it in.
- There will be a review assignment that needs to be completed.
- You have approximately **3 weeks** from the time you receive the graded test to complete the re-take.

Grading Plan Grades are based on the total number of points earned divided by total number possible. Your grade will be based on the following categories:

1. **Tests:** Tests will always be announced in advance. Tests are designed to be completed in a single period, and no additional time will be given.
2. **Quizzes:** These may be announced or unannounced. They are also to be completed in the allotted time.
3. **Homework:** Homework will be assigned most days. At times homework may be collected or graded.
4. **Homework Learning Checks (HLC):** Problems similar to recent homework assignments will be selected to assess your understanding of current material. All work must be shown
5. **Other assessments:** Other assignments or projects will be assigned throughout the year. Information will be given at the time the assignment is made.
6. **Late Work:** Assignments can be turned in a reasonable amount of time for full credit. An assignment is considered late if it is not turned in at the time I collect it.
7. **Semester Exam:** Exams will be given during exam days during each semester, and will be worth approximately 15% of your semester grade.
8. **Extra Credit** - I may make small amounts of extra credit available at various times during the year – but don't count on it. Extra credit will not be available during the last week of each semester. When extra credit is assigned a due date, *none will be accepted late.*



Grading Scale: The DCSD grading scale will be followed as listed in your student planner

A 93-100	B+ 87 – 89	C+ 77 – 79	D+ 67 - 69	F 0 - 59
A- 90 - 92	B 83 - 86	C 73 – 76	D 63 - 66	
	B- 80 - 82	C- 70 – 72	D- 60-62	

Communication:

PowerSchool will be updated frequently, so you can keep track of your grade. If you have any questions now or in the future, feel free to contact me at jwarnke@dbqschools.org or at the phone number listed at the top of this syllabus.