

Course Syllabus: Geometry 2017-2018

Contact Information: Mr. Loeffelholz

Email: jloeffelholz@dbqschools.org

Website: clever.com/in/dbqschools

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.

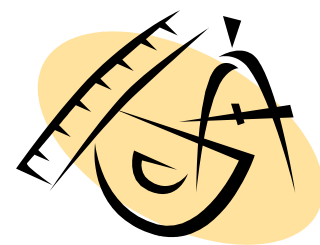
Standards This course will focus on Geometric constructions, transformations, coordinate geometry, triangle properties, proofs, shapes and their properties, area, volume, probability and trigonometric relationships.

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

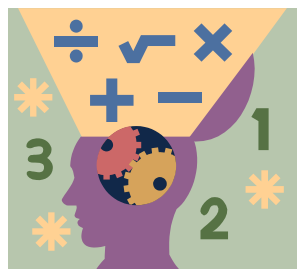


Instructional Strategies A variety of strategies will be used, including (but not limited to) group work, individual work, teacher-led activities, and problem-based activities. Technology will be used throughout the course.

Resources

1. Your **textbook**, *Geometry* copyright 2015 Big Ideas Learning.
2. **Pencils and erasers** – All of your math work should be done in pencil unless I tell you otherwise.
3. **Calculator – scientific calculator is HIGHLY recommended.** It will be a great advantage to have your own calculator. A graphing calculator will work as well.
4. 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.
5. Your **planner** (In case you ever need to go anywhere)
6. Your **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 the clever website and canvas as well as the class binder. Handouts will also be in the class binder. 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. Detentions with me are also an option.

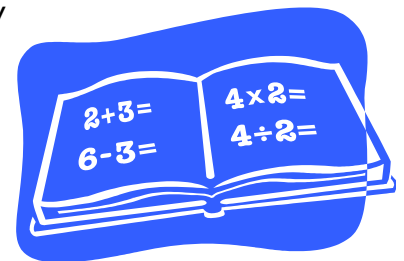
- Cheating will not be tolerated! If you are found to be cheating on any work for the class, consequences may include earning a zero, contacting your parents and Assistant Principal and/or an F for the course.
- If you start to fall behind in this class, the secret is to get help IMMEDIATELY. The longer 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. You can also learn a lot by working with your fellow classmates. Working together is strongly encouraged.

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

- All homework from that chapter must be completed and turned in. You need to complete the assigned chapter review problems and turn it in.
- Once all this is completed, you have the opportunity to take the re-take. The score on the retake will replace your original score. Only one retake is allowed per test/quiz.
- You have approximately **3 weeks** from the time you receive the graded test to complete the re-take.
- There will be no retakes allowed the last week of the semester.

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. If late, there will be an additional assignment required.
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 within 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. However, you will be required to complete and hand in another assignment of my choice as well. Usually it will be the assignment before.
7. **Semester Exam:** The exam will be given during exam days each semester, and will be worth approximately 10% of your semester grade.
8. **Extra Credit:** I will make small amounts of extra credit available for extra participation or problems. 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**. Extra credit will not be given to those using cell phones during inappropriate times during class.



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 see a mistake or a discrepancy in your grade, please let me know immediately!

Geometry will help you with your reasoning, thinking, and problem solving skills.

Good life skills, eh? 😊