Geometry Syllabus

Ms. Ann Arnold

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Office Hours: Before school, During 4th Block and After School

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 recognition of patterns that can be applied to daily life. Successful completion leads to Algebra II. Alignment to the Iowa Core Curriculum: Understands and applies concepts of coordinates, transformation and trigonometric relationships.

Standards/Content Expectations: You must demonstrate a high understanding of **all** of these benchmarks in order to achieve a passing grade.

First Term Benchmarks	Second Term Benchmarks
1. Be able to recognize, understand and describe vocabulary. 2. Be able to apply properties of parallel and perpendicular lines to problem situations. 3. Be able to describe properties of special triangles. 4. Be able to calculate measures of triangle angles. 5. Be able to recognize and communicate relationships between triangles. 6. Be able to write informal proofs. 7. Be able to recognize and describe polygons by properties. 8. Be able to determine the formula for the sum of angles of a polygon. 9. Be able to calculate the angle measure of a polygon.	1. Be able to use algebraic knowledge to solve geometric problems. 2. Be able to recognize and apply formulas for area to problems. 3. Be able to solve multiple step problems involving area. 4. Be able to apply Pythagorean Theorem to solve problems. 5. Be able to recognize and apply formulas for volume problems. 6. Be able to solve multiple step problems involving volume. 7. Be able to apply basic properties of similarity. 8. Be able to apply similarity to real world problems and situations. 9. Be able to recognize and apply properties and applications of right triangle trigonometry. 10. Be able to calculate distances that are difficult to measure directly in real world situations.

Assessment:

You will earn points based on daily assignments, quizzes/tests, and projects.

Grading Scale

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

I will be using this grading scale to determine your final grade.

Instructional Strategies:

During this class you can expect individual work, and group work as well as daily assignments, projects and tests.

Participation Expectations:

I expect that you are in class everyday. Being in class is essential for your success in this course. While in class your attitude and participation is also a critical part of you learning. I expect that you participate in **all** discussions, and assigned problems.

Behavior Expectations:

Be respectful of others.

- Don't cause class interruptions. After repeated interruptions, students will be asked to leave the room.
- Support your classmates and their ideas. If they make a mistake help guide them with positive comments/hints.
- Don't use vulgar language.
- Clean up your spot before you leave. Put all materials away and throw away any garbage before you leave.

- **Come to class and be on time**. -- Valuable information is presented on a daily basis therefore; students are expected to be on time and attending class every day.
  - Be prepared with materials and assignments.

Procedures:

- Students must ask to leave the room; otherwise participation points may be lost.
- Only one student may leave the room at a time.
- Do your best.
- **Cheating: WILL NOT BE TOLERATED!** If you are found to be cheating on any work for the class, you will not receive credit for that work.
- **Don't have your cell phone out during class.** If I see it once, you get warned. The second time you must drop it off with June. **If you are found using a cell phone during a test or quiz, you will not receive credit for that test or quiz.**
- Electronic devices (IPods etc...) may be used during homework time only. If it is disrupting the learning of others, you will be asked to put it away.

Technology Expectations:

I expect that you treat all forms of technology with respect. When we use technology for this course, it will be for educational purposes only therefore sites such Facebook and other non-educational sites will not be allowed. In other words, you should only use a school provided computer for work that is directly needed for a class.

Make-up Work:

Class attendance and participation (being in class and on time, asking questions and completing daily assignments on time) are essential to master the topics presented. You are expected to complete make-up work promptly

Class Assignments:

- All class assignments are due at the beginning of the next class period.
- If a student misses a class (either excused or not) they are expected to complete all missing work.
- All finished assignments must be personally hand to me.

Having Trouble?

If you are having trouble with this class, you need to get help **IMMEDIATELY**. You can receive extra help from me during the office hours listed at the top of this syllabus.