

Geometry

Ms. Beatty

2019 - 2020

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The following is your syllabus for the school year. Please keep this in a safe spot, like a binder or folder, NOT your back pocket or the bottom of your backpack.

Course Description:

The purpose of this Geometry course is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving toward formal mathematical arguments. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school Montana Common Core Standards. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Objectives:

1. Congruence
2. Similarity, Right Triangles, and Trigonometry
3. Circles
4. Expressing Geometric Properties with Equations
5. Modeling with Geometry
6. Probability

General Requirements/Expectations: *Be Safe, Be Respectful, Be Responsible, Be a Graduate*

- Be on time and come prepared for class. Have something to write with and all assigned work completed before class.
- You are expected to be an active participant in all aspects of class. COME READY TO LEARN! **Do not** keep someone else from learning.
- Be respectful towards others AND yourself.
- Please take note of the Classroom Expectations and Cell Phone policies hanging up in the room.

Grading: 90% - 100% (A); 80% - 89% (B); 70% - 79% (C); 60% - 69% (D); anything below 60% is not a passable grade. To configure grades, I will add up all the points for the semester and divide the total possible and get a percentage. **GOAL:** to accumulate as many points as you can!!

Hellgate scores are kept separate by each instructor, and will utilize the skills and questions from the following:

- Unit Tests - (100 pts each) This is where you need to show me what you have learned. I need to know what skills you have mastered.
- Quizzes - (25-30 pts each) I will need to check for understanding before we get to a test so expect at least one quiz in each unit/chapter. Quizzes are expected to be completed in one class period. There will be no time extensions on a quiz. If you do not finish, it will be graded as is. If you are not happy with that grade, you will have the option of a retake (See below).
- Homework assignments - (5 pts each) Assignments are expected to be turned in the following day because you will have a new assignment nearly every day. Late work turned in within one week of its due date receives a 20% drop. If not turned in by then, it will become a zero.
- Projects - Points will depend on the length of the project and the amount of work expected. There will be a rubric provided with any project.
- Final - (100 pts) There will be a semester final at the end of semester 1 and semester 2. The final will be worth the same as a test.

Retakes:

- You will be allowed to retake **only one test** during the course of the semester, so choose wisely. You may do that retake anytime during the semester up until finals week. Your first score will be replaced with the retake score, whether it is better or worse.
- You will be allowed one retake on a quiz. You must be current on the homework assignments on that quiz and you must show corrections on your first quiz **before** you will be allowed to do a retake. You will have one week from the date of the quiz to retake it. Your first score will be replaced with the retake score, whether it is better or worse. I recommend using Office Hours to do those retakes.

Make-Up Work:

- When you know you will be absent, you **MUST** arrange for your homework before you leave and have it completed in a timely manner upon return. Please see my website for the link to the homework assignments.
- If you miss class due to illness or emergencies, you have an equal number of days to make up assignments.
- If you miss multiple classes due to illness or emergencies, you may contact the office for homework assignments so you do not fall behind.

Questions? Comments?:

Please come to me with any questions or concerns. My door is open. I am in my room from 7:30am until 3:30pm daily.

Required Materials:

- Calculators will be available for use during class but they may not be taken outside of the classroom or taken home. If you wish to purchase your own calculator, the TI-84 is the recommended one. I recommend you purchase your own calculator for this course because you will need it for many assignments.
- Text book - We will have packets for this course.
- Notebook and writing utensils (preferably pencil).