

Mr. Grande  
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Geometry  
2018-19

Welcome to Geometry! This course will follow the Common Core State Curriculum, which states, “This model Geometry curriculum created by CT teachers and students for CT teachers and students emphasizes problem solving and mathematical reasoning, incorporates real-world applications and effective use of technology, and uses multiple representations,” ([ctcorestandards.org](http://ctcorestandards.org)). The course expectations are outlined below:

### **Standards for Mathematical Practice:**

- 1) Make sense of problems and persevere in solving them.
- 2) Reason abstractly and quantitatively.
- 3) Construct viable arguments and critique the reasoning of others.
- 4) Model with mathematics.
- 5) Use appropriate tools strategically.
- 6) Attend to precision.
- 7) Look for and make use of structure.
- 8) Look for and express regularity in repeated reason.

### **Topics Covered:**

- 1) Transformations and Coordinates
- 2) Congruence, Constructions, and Proof
- 3) Polygons
- 4) Similarity and Trigonometry
- 5) Circles
- 6) Three Dimensional Geometry
- 7) Applications of Probability

### **Supplies:**

Suggested supplies include, but are not limited to:

- 1) 3-ring binder
- 2) Loose leaf paper
- 3) PENCILS. PENCILS. PENCILS.
- 4) ERASERS. ERASERS. ERASERS.
- 5) Ruler

### **Calculator Rules**

Calculators will be provided in class, but it is suggested that you purchase your own, especially for higher level math classes. If you borrow a calculator from the classroom, you **MUST** sign it out on the whiteboard in next to the Calc-Pal Storage in the back of the room. The yellow calculator set is **NOT** eligible to be signed out. Those must remain in the room at all-

time. Any student who has proven s/he cannot use a calculator responsibly will not be allowed to use the classroom set.

### **Behavior Expectations**

I do not anticipate poor behavior this year, but I will reiterate what I expect. Students should be respectful to everyone in the room at all times, including their peers. Students should also respect the classroom itself, so no drawing on desks or snapping rulers for fun. I intend on having a fun year, but within the rules of the classroom. Failure to comply will result in action being taken according to the school rules.

### **Grading**

Your quarterly grade will be based on a total points system. The breakdown is as follows (**NOTE:** all point totals are approximates, as some will fluctuate depending on the assignment or unit):

Tests: 100 points  
Quizzes: 25 points  
Projects: 50 points  
Homework: 5 points  
Classwork/Participation: 5 points

Tests and Projects will be given once a unit. They will encompass all concepts taught from the unit.

Weekly quizzes will be given every Friday. They will encompass the topics that have been covered from Monday-Thursday of the week.

Homework will be given often, but will not always be graded. I will tell you what assignments will be collected and used as a grade. It is your job as a student to keep up with all assignments to be prepared for the quiz at the end of the week. Asking questions is an important part of this class, so I will devote time at the beginning of each class to go over any questions you may have.

Classwork/Participation is a weekly grade that refers to not only staying on task throughout the week, but also completing all Warm Ups and Exit Slips assigned.

### **Technology**

The world has become a tech-savvy place, so I intend to use technology often in the classroom. However, cell phones, laptops, etc. should only be used when instructed to do so. For quizzes and tests, students will be unable to use phones as calculators as there are enough in the class set for everyone to use. Any student using technology inappropriately will have the privilege revoked.

### **Extra Help / Make Up Work**

I am very flexible in staying after school. I understand this course will be difficult at times, so it is *your* responsibility to find a time in your schedule to come see me for extra help. It

is always better to be proactive at getting help rather than reactive. I will do my best to assist you in any way possible.

If you miss a quiz or test, you are responsible for making it up the next day. If you miss two days, you will make it up the second day you are back, etc. If you do not make it up in the allotted time, you will receive a zero for the assignment.

**Attendance/Tardiness:** (BOE Policy #5113.2)

Attendance policies will be handled according to the Wheeler High School handbook.

**Academic Integrity:**

The faculty and administration of Wheeler Middle/High School demand high standards of academic performance and academic honesty. Anything less would jeopardize quality education and allow our students to deny themselves needed skills and knowledge. For this reason students who cheat on their assigned work, reports, research papers, quizzes, tests or examination risk prompt and punitive action by both their teacher and the school. Examples of violations may include, but are not limited to:

- Giving or receiving aid on tests and graded assignments
- Unauthorized talking during tests
- Copying regular homework/exercises
- Unapproved discussion of examinations/assignments contents
- Cheating on peer reviews of student work
- Misuse of technology

Documentation of all sources is important to avoid plagiarism, which is the stealing of another's ideas, words, writing, or academic work, and implying that it is original. Both quoting and paraphrasing information from an outside source, including any technology without crediting that source is a form of plagiarism. Students who are found cheating or plagiarizing will be subject to the following guidelines:

First offense:

- Academic penalty up to and including zero.
- Parent contacted.
- Administration notified (by teachers completing a discipline form).

Subsequent offenses:

- Academic penalty up to and including zero.
- Parent contacted.
- Disciplinary action by administration which may include office detention or suspension

**Assessments:** For one-credit, full-year courses, examinations are given at the conclusion of each semester—one at the midpoint and one at the end of the school year. For half-credit courses, a final will be given at the end of the semester. All examinations, except in selected classes, are one and one-half hours in length. All students must arrive on time and remain in class for the full duration of the exam period. Students taking the AP test will not be required to sit for a final exam. Seniors are exempt from taking a final exam with a 90% or higher in that class. Normally, no excuse for missing an exam other than illness will be accepted. The Principal must give such permission.

**Wheeler High School Academic Expectations Met in This Course:**

- Analysis
  - Students will consider situations and use mathematical practices to solve real-world problems.