

Honors & Regular Geometry 2023-2024

Dr. Chris Albers

Room: B-112

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The information below is to inform you on what you will be seeing and what I will be expecting out of each student. Anything and everything within this document are subject to change. However, everything will be communicated during the school year.

My goal is to help you be successful in this course. I also expect that you will ask questions, complete the assigned individual practice, and come to class prepared. **All policies and guidelines listed in the Student Handbook are to be followed within the classroom.**

Course Description

The fundamental purpose of the course in Geometry is to formalize and extend student's geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

Unit 0: Algebra Prerequisite Skills

Unit 1: Basics of Geometry & Constructions

Unit 2: Proofs and Logic

Unit 3: Lines and Angles

Unit 4: Rigid Motions & Congruence

Unit 5: Triangle Congruence

Unit 6: Dilations & Similarity

Unit 7: Trigonometric Ratios

Unit 8: Proving Relationships & Theorems

Unit 9: Two & Three Dimensional Shapes

Unit 10: Arcs & Angle Relationships in Circles

Unit 11: Justifying Relationships in Polygons
in Circles

Unit 12: Segment Relationships in Circles

Unit 13: Shapes on a Coordinate Plane

Unit 14: EOC Review

Course Materials

- Canvas and Geometry Nation Textbook
- Further materials will be provided depending on the content of a given lesson.
- All Unit Assessments will be on the Mastery Connect platform.
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Classroom Supplies - Students must provide their own supplies.

- **A 2-inch Three Ring Binder** dedicated to Geometry
- **Pencils only** to take notes, complete individual practice, and assessments
- **2 – 3 Tab Dividers** to separate sections in the binder

Optional Supplies:

- **Basic Calculator** Graphing calculators will not be permitted. **Any device that is not primarily a calculator will not be allowed to be used as a calculator** (this includes phones, tablets, computers, etc.). **I will provide calculators for students to use in class.**

Policies and Procedures

- **All rules set by Charlotte High School and CCPS will apply.**
- The use of any electronic device other than a chrome book is **prohibited**.
- Students are expected to treat others and themselves with respect.
- Students **must** be in the classroom at the time of the final bell.
- Individual practice assignments will be due when the instructor collects it, by the due date or if a student is tardy as soon as they enter the classroom.
- Please leave food outside the classroom. Water is OK.
- Please no **GUM** in the classroom.
- **Bookbags and Phones need to be in the back of the room**
- **It is AGAINST THE FL LAW to have your phone on you during class**
- **IF you have your phone on you, it will be confiscated and sent to the Deans office. You can get it at the end of the day.**
- **On your second offense, your parent/guardian will have to get it from the Deans office.**

Grading Procedures Grades will be based on a point system which will include the following categories:

- **Unit Assessments worth 10 - 40 points each (point totals are approximate)**
- **Individual practice assignments worth 10 to 20 points each (point totals are approximate)**
- **Weekly Warm-Ups worth 10 - 25 points each (point totals are approximate)**
 1. **Assessments**
 - Will take place at the end of each unit. Students will be informed of an upcoming assessment no later than one-week prior.
 2. **Warm-Ups**
 - Work done during class period.
 3. **Individual Practice Assignments**
 - Individual practice will be assigned at least four times a week.
 - Each individual practice assignment grade will be **based on work shown**

FOCUS

This online grade book needs to be checked at least twice a week by the student. Parents/guardians of the student should check weekly.

Daily Procedures

- Warm-up: Review of previous material
- Collection of Individual Practice Assignment
- Lecture and Guided Examples
- Class led Examples/ In-class Assignment
- Assigning of Individual Practice

I take plagiarism very seriously. Any work that is not your own will receive a zero and a referral will be written.