DeLand High School
Course Syllabus – Geometry
2022-23

Teacher Name: D. Simmons / A. Ghandi
Course Name: Geometry / Geometry Honors
Course #: 1206310 / 1206320

Textbook Used: Big Ideas Learning Geometry

Websites: All websites are found and accessed via vPortal (then Canvas)

Materials Needed: 3-ring binder with pockets, ruled paper, pencil, scientific calculator, math graph paper, ruler, math compass, and protractor.

Course Objectives: In Geometry & Geometry Honors, instructional time will emphasize five areas:

(1) proving and applying relationships and theorems involving two-dimensional figures using Euclidean geometry and coordinate geometry;
(2) establishing congruence and similarity using criteria from Euclidean geometry and using rigid transformations;
(3) extending knowledge of geometric measurement to two-dimensional figures and three-dimensional figures;
(4) creating and applying equations of circles in the coordinate plane; and
(5) developing an understanding of right triangle trigonometry.

Curricular content for all subjects must integrate critical-thinking, problem-solving, and workforce-literacy skills; communication, reading, and writing skills; mathematics skills; collaboration skills; contextual and applied-learning skills; technology-literacy skills; information and media-literacy skills; and civic-engagement skills.

Methods of Assessment:

Diagnostic (Pre-Tests) Formative (Assignments, Homework, Bell Ringers, Mini Quizzes)
Summative (Tests, Projects)

Major Projects: As assigned

Teacher’s Authority to Override Final Grade: A teacher may override the final grade if a student’s overall performance warrants it.
Materials Needed: 3-ring binder with pockets, ruled paper, pencil, scientific calculator, math graph paper, ruler, math compass, and protractor.

Course Objectives: The fundamental purpose of the course in Geometry 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 towards 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 CCSS. 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. The critical areas are as follows:

- **46%** Congruence, Similarity, Right Triangles, and Trigonometry
- **38%** Circles, Geometric Measurement, and Geometric Properties with Equations
- **16%** Modeling with Geometry

- Definitions, Constructions, and Angle Pairs
- Transformations
- Triangles and Congruence
- Similarity
- Right Triangles and Trigonometry
- Quadrilaterals and Coordinate Geometry
- Two-Dimensional Measurements
- Three-Dimensional Measurements
- Circles With and Without Coordinates

Methods of Assessment:
- Diagnostic (Pre-Tests)
- Formative (Assignments, Homework, Bell Ringers, Mini Quizzes)
- Summative (Tests, Projects)

Grading Scale:  
<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>A</td>
<td>90-100</td>
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<tr>
<td>B</td>
<td>80-89</td>
</tr>
<tr>
<td>C</td>
<td>70-79</td>
</tr>
<tr>
<td>D</td>
<td>60-69</td>
</tr>
<tr>
<td>F</td>
<td>below 60</td>
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</tbody>
</table>

Grading Criteria:  
- Summative (Tests, Projects): 60%
- Formative (Assignments, Classwork, Mini Quizzes): 40%
- Diagnostic (Pre-tests only): 0%

A Florida State Assessment (FSA EOC) is being given in Geometry. This year-end exam is required by the state and counts as 30% of the student’s final grade. In those cases, Geometry is a full year course; the four quarter grades will average with the FSA for the final grade. **Override of grades may be used if needed.**

**NOTE:** Additional information and/or changes to the FSA and the grading policy may occur throughout the year.
Student Expectations:
1. Please be on time and prepared for class every day.
2. Always be courteous and respectful to others.
3. Please put phone and ear pods away to start the class.
4. The bell begins class.
5. Please handle all equipment properly.
6. Tardiness and Absences will be handled in the manner set forth by the school attendance policy.
7. All rules in the student handbook will be applied.
8. Passes out of class are limited to ONE student at a time.