



## Geometry

**Course Description:** The focus of Geometry includes topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles.

**Attendance:** Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

**Essential Skills:** Students will develop skills in creating mathematical representations, problem solving, analyzing and interpreting.

**Course Expectations:** Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.
4. Use Canvas to access additional support when needed.
5. Complete practice in Savvas.

## Grading

**Learning (Practice)** includes instructional activities in and outside of class and are not used in grade determination.

**Skyward Assessment (Grades)** may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

<b>Final Grade</b>	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

### **Calculations:**

<b>Final Grade Calculation</b>	
Cumulative Grade	<b>95%</b>
Final Exam(s)	<b>5%</b>

### **Central High School Courses:**

- Will determine grades based on student performance and growth.
- Will not include practice and behavior in grade determination.
- Will give all students regardless of absence an opportunity to demonstrate learning.
- Will not include extra credit.

**Instructional Resources:** Pearson Envision, Savvas, Canvas, Blooket, Kahoot, Desmos, Youtube, Khan Academy, and Boom Cards.

# Course Calendar/Pacing:

2022-2023 Geometry Pacing Guide																																																																																																																													
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<b>Topic 1: Foundations of Geometry</b> G.CO.A.1      G.CO.D.11 G.CO.C.9      G.CO.D.12* G.CO.D.10      G.GPE.B.6*	<b>Topic 2: Parallel and Perpendicular Lines</b> G.CO.A.1      G.MGA.1* G.CO.C.9      G.MGA.3* G.CO.C.10      G.GPE.B.5*	<b>Topic 3: Transformations</b> G.CO.A.2      G.CO.A.5 G.CO.A.3      G.CO.B.6 G.CO.A.4
<b>Topic 4: Triangle Congruence</b> G.CO.A.5      G.CO.B.8 G.CO.B.6      G.CO.C.10 G.CO.B.7      G.SRT.B.5	<b>Topic 5: Relationships in Triangles</b> G.CO.C.9      G.C.A.3 G.CO.C.10      G.SRT.B.5	<b>Topic 6: Quadrilaterals and Other Polygons</b> G.C.A.3 G.SRT.B.5      G.CO.C.11
<b>Topic 9: Coordinate Geometry</b> G.CO.A.1      G.GPE.B.6* G.CO.C.10      G.GPE.B.7* G.GPE.B.4*      G.GPE.A.2* (Not SD Standard)	<b>Topic 7: Similarity</b> G.CO.A.2      G.SRT.A.3 G.CO.A.5      G.SRT.B.4 G.SRT.A.1      G.SRT.B.5 G.SRT.A.2      G.C.A.1*	<b>Topic 8: Right Triangles and Trigonometry</b> G.SRT.B.4      G.SRT.C.8 G.SRT.C.6      G.SRT.D.10 (+)** G.SRT.C.7      G.SRT.D.11 (+)**
<b>Topic 10: Circles</b> G.CO.A.1      G.C.A.4 (+) G.C.A.2*	<b>Topic 11: Two- and Three-Dimensional Models</b> G.GMD.A.1*      G.MGA.1* G.GMD.A.3*      G.MGA.2 (+) G.GMD.B.4*	<b>Topic 12: Probability</b> G.S.CP.A.1*      G.S.CP.B.8 (+) G.S.CP.A.2*      G.S.CP.B.9 (+) G.S.CP.A.4*      G.S.MDA.1 (+) G.S.CP.A.5*      G.S.MDA.3 (+) G.S.CP.B.6*      G.S.MDA.4 (+) G.S.MD.B.7 (+)
<b>Semester Finals</b>		<b>Professional Development</b>