# Common Core Standards - Resource Page

The resources below have been created to assist teachers' understanding and to aid instruction of this standard.

| Domain | Standard: G.CO.1 - Know precise definitions of angle, circle, perpendicular line, parallel line, and line segment, based on the undefined notions of point, line, distance along a line, and distance around a circular arc. |
|---|---|
| **Congruence**<br>**Experiment with transformations in the plane** | Questions to Focus Learning<br><br>What are the undefined terms in geometry and why are they undefined? Can you use these undefined terms to define angles, circles, parallel lines and line segments?<br><br>The study of Geometry is based on three undefined terms: a point, a line, and a plane. These three notions are used to define all other terms in geometry.<br><br>Student Friendly Objectives<br><br>*Knowledge Targets*<br><br>I know and understand the undefined notions of point, line, plane, and distance along a line or a circular arc.<br>I can define an angle based on my knowledge of a point, line, distance along a line, and distance around a circular arc.<br>I can define a circle based on my knowledge of a point, line, distance along a line, and distance around a circular arc.<br>I can define perpendicular lines based on my knowledge of a point, line, distance along a line, and distance around a circular arc.<br>I can define a line segment based on my knowledge of a point, line, distance along a line, and distance around a circular arc.<br>I can define parallel lines based on my knowledge of a point, line, distance along a line, and distance around a circular arc. |

<u>Vocabulary</u>

angle
arc
bisect
bisector
circle
circumference
diameter
distance
end point
line
line segment
midpoint
parallel lines
perpendicular lines
plane
point
radius
ray
sides of an angle
vertex of an angle

<u>Teacher Tips</u>

Build on student experience with terminology from earlier grades.

<u>Vertical Progression</u>

The above information and more can be accessed for free on the Wiki-Teacher website.
Direct link for this standard: G.CO.1