

Spherical (Non-Euclidean) Geometry

TEKS: G.4(D) - Compare geometric relationships between Euclidean and spherical geometries, including parallel lines and the sum of the angles in a triangles.

L.O.: Students will...

1. Compare and contrast Euclidean and spherical geometries
2. Determine if Euclidean geometry postulates translate to spherical geometry

D.O.L.: Given a beach ball, students will construct Euclidean geometric figures on its surface to analyze the effect that the sphere's curvature produces on the properties of the figures.

