

Foundations of Geometry

Students who study the foundations of geometry are learning to answer the questions

What specific characteristics distinguish geometric figures from each other?

What characteristics are common to all polygons?

How does changing one angle's measure affect the rest of a diagram?

This unit of study addresses Indiana College & Career Ready Standards as a bridge between sixth and seventh grade standards and future studies in high school geometry.

Gaining skills in this unit will enable students to do everyday tasks like tiling a floor, cutting a pizza, or planning a landscaped area. The specific skills in this unit of study include

- identifying angle relationships
- identifying angles associated with parallel lines
- using relationships between angles in triangles
- using relationships between angles in polygons