

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.GMD.4 - Identify the shapes of two-dimensional cross-sections of three-dimensional objects, and identify three-dimensional objects generated by rotations of two-dimensional objects.
<p><u>Geometric Measurement and Dimension</u> Visualize relationships between two-dimensional and three-dimensional objects</p>	<p><u>Questions to Focus Learning</u> What shapes can be cross sections of three-dimensional figures? How can rotations of two-dimensional figures be used to generate three-dimensional figures?</p> <p>Two dimensional figures can represent slices or cross-sections of three-dimensional figures. Three-dimensional figures can be generated by rotating two-dimensional figures.</p> <p><u>Student Friendly Objectives</u> <i>Reasoning Targets</i></p> <p>I can identify the two-dimensional shape of the cross section after slicing a three-dimensional figure. I can describe a three-dimensional shape formed by rotating a two-dimensional shape.</p> <p><u>Vocabulary</u></p> <p>cross section rotation slicing three-dimensional two-dimensional</p> <p><u>Teacher Tips</u></p> <p><u>Vertical Progression</u></p> <p>G.MG.1 - Use geometric shapes, their measures, and their properties to describe objects (e.g., modeling a tree trunk or a human torso as a cylinder). *(Modeling Standard) G.MG.3 - Apply geometric methods to solve design problems (e.g., designing an object or structure to satisfy physical constraints or minimize cost; working with typographic grid systems based on ratios). *(Modeling Standard)</p>

The above information and more can be accessed for free on the [Wiki-Teacher](#) website.
Direct link for this standard: [G.GMD.4](#)