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Primary Type: Perspectives Video: Professional/Enthusiast

## Modeling with Polygons for 3D Printers

Understand 3D modeling from a new angle when you learn about surface geometry and 3D printing.

Download the [CPALMS Perspectives video student note taking guide](#).

### General Information

**Subject(s):** Mathematics

**Grade Level(s):** 7

**Intended Audience:** [Educators](#), [Students](#), [Parents](#)

**Keywords:** geometry, triangles, polygons, surface, model, modeling, 3D, printing, linear scale, Cartesian coordinate, area, volume, FSU

**Instructional Component Type(s):** [Perspectives Video: Professional/Enthusiast](#)

**Resource Collection:** CPALMS Perspectives Videos - General

### Source and Access Information

**Contributed by:** CPALMS Perspectives Videos

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### Aligned Standards

Name	Description
<a href="#">MAFS.7.G.2.6:</a>	<p>Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.</p> <p><b>Clarifications:</b> <b>Examples of Opportunities for In-Depth Focus</b></p> <p>Work toward meeting this standard draws together grades 3–6 work with geometric measurement.</p>