

Common Core State Standards Alignment Sheet

Moving Through Dimensions

Lesson	Common Core State Standards in Math
Lesson 1: Preassessment	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume. 7.G.A Draw construct, and describe geometrical figures and describe the relationships between them.
Lesson 2: Introduction to Dimensions	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume.
Lesson 3: Drawing Cube Structures	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume.
Lesson 4: Projecting Solids Into Two Dimensions	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume. 7.G.A Draw construct, and describe geometrical figures and describe the relationships between them. HSG-GMD.B Visualize relationships between two-dimensional and three-dimensional objects.
Lesson 5: Polycubes	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume.
Lesson 6: Slices	7.G.A Draw construct, and describe geometrical figures and describe the relationships between them. HSG-GMD.B Visualize relationships between two-dimensional and three-dimensional objects.
Lesson 7: Solids of Revolution	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume. 7.G.B Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 8.G.C Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres. HSG-GMD.B Visualize relationships between two-dimensional and three-dimensional objects.
Lesson 8: Sierpinski Triangle and Pyramid	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume. 7.G.B Solve real-life and mathematical problems involving angle measure, area, surface area, and volume. 8.G.A Understand congruence and similarity using physical models, transparencies, or geometry software.
Lesson 9: Postassessment	6.G.A Solve real-world and mathematical problems involving area, surface area, and volume. 7.G.A Draw construct, and describe geometrical figures and describe the relationships between them.