

# ***3D Pentominoes***

## ***Lesson Directions Overview***

### **Equipment List**

- 3D Pentomino Pieces
- Puzzle Cards

### **Learning Objectives**

1. Students understand compound shapes and geometric relationships by arranging shapes made of 5 squares/cubes.

### **Grade Levels:** 3-7

### **Vocabulary Covered**

- |             |             |
|-------------|-------------|
| • Square    | • Perimeter |
| • Cube      | • Area      |
| • Pentomino | • Volume    |

### **Common Core Math Standards**

- |                              |                              |
|------------------------------|------------------------------|
| • CCSS.MATH.CONTENT.3.G.A.1  | • CCSS.MATH.CONTENT.5.MD.C.3 |
| • CCSS.MATH.CONTENT.3.MD.D.8 | • CCSS.MATH.CONTENT.5.MD.C.4 |
| • CCSS.MATH.CONTENT.4.G.A.2  | • CCSS.MATH.CONTENT.6.G.A.1  |
| • CCSS.MATH.CONTENT.4.MD.A.3 | • CCSS.MATH.CONTENT.6.G.A.4  |
| • CCSS.MATH.CONTENT.5.G.B.3  | • CCSS.MATH.CONTENT.7.G.A.2  |
| • CCSS.MATH.CONTENT.5.G.B.4  | • CCSS.MATH.CONTENT.7.G.B.6  |