

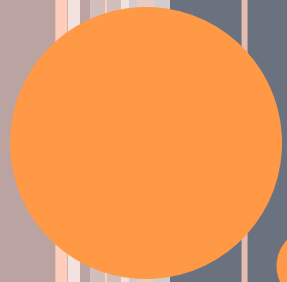
# GEOMETRY



**Jonathan L. Brendefur, Ph.D.**  
**Sam Strother, MA.E.**

**Boise State University**





# CUBE ACTIVITY

# PYRAMIDS AND A CUBE

- Put 6 pyramids together to form a cube
- What is the formula for volume of a cube?
- What is the formula for a square pyramid?



# THE STRUCTURE OF GEOMETRY

- Space (Describing the world around us)
  - Measuring
  - Maneuvering
    - Transformations
    - Locations
  - Boundaries
    - Defining or Describing Space (including visualization)
    - Dimensions
    - 2-d, 3-d
- Shapes
  - Attributes and properties
  - Composing/Decomposing
  - Congruency and similarity
    - Growing and Shrinking
    - Transformation

