## Building Triangles with AngLegs Activity

**Activity**

Building Triangles with AngLegs: Geometry Shapes

**Goal(s)**
- Engage in and reflect upon a playful learning activity.
- Construct triangles using AngLegs Geometry Tools
- Use vocabulary related to geometry comparisons

**Foundations/Standards**
- Infant/Toddler Foundations: Spatial Relationships (36 mo.)
- Preschool Foundations: Geometry (48 mo.) 1.0
- Preschool Foundations: Geometry (60 mo.) 1.0
- Preschool Foundations: Measurement (60 mo.) 1.1
- Common Core State Standards K.MD 1, 2, & 3
- Common Core State Standards K.G 2, 4, 5, 6
- Common Core State Standards 1.G 1, 2
- Common Core State Standards 2.G 1
- Common Core State Standards 3.G 1, 2

**Potential Behaviors**
- Participants might find 3 AngLegs that will not form a triangle
- Participants make many unique triangles
- Participants create 3-dimensional figures (pyramids/tetrahedrons)
- Participants might make polygons with more than 3 sides

**Vocabulary**
- triangle
- congruent
- similar
- larger
- smaller
- sides
- vertex

**Question/Prompts**
- What are some different ways you can make a triangle?
- What are some ways triangles can be the same/different?
- Can two triangles be different sizes but still look the same or similar?
- What kinds of things happen when two triangles are joined together?

**Reflections**
- What academic vocabulary did students attempt to use?
- What did they build?
- How did they build it?