Tangrams and Pattern Blocks

ELC-3042

COMMON CORE

- 8.G.A.1
  - Verify experimentally the properties of rotations, reflections, and translations.

- 8.G.A.2
  - Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them.

- 8.G.A.3
  - Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates.

- 8.G.A.4
  - Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.

- 8.G.A.5
  - Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.