

Pre-Kindergarten: Geometry and Spatial Sense

Stage 1 Desired Results

ESTABLISHED GOALS:

Competencies:

- *Students will demonstrate the ability to identify and describe shapes in order to compare and contrast objects.*

Framework descriptors:

Geometry and Spatial Sense

- O Use words that show understanding of order and position of objects
- O Identify and name common shapes
- O Describes basic features of shapes (E.g. Finley says, "This triangle has three sides and this square has four sides.")
- O Compare the shape of two objects (E.g. Reanna draws two round shapes and says, "This one is an oval and this one is a circle.")

Transfer

*Students will be able to independently use their learning to **identify, compare, and describe basic shapes in their environment.***

Meaning

ENDURING UNDERSTANDINGS

Students will understand that...

- geometric attributes provide descriptive information about an object's properties and position in space, and support visualization and problem solving.

ESSENTIAL QUESTIONS

- What is a shape?
- How can shapes be broken into simpler parts?
- How can we compose with shapes?

Acquisition

Students will know...

- that shapes are embedded in their environment.
- that the position of the shape does not change the identity of the shape.
- that all shapes have identifiable characteristics.
- that simple shapes can be combined to make larger shapes.

vocabulary: under, above, behind, over, next to, in front of, square, triangle, rectangle, circle, oval, heart, trapezoid, hexagon, rhombus, sides, corners

Students will be skilled at...

- identifying objects in their environment based on position words.
- identifying basic geometric shapes orally.
- sorting like shapes.
- recognizing that simple shapes can be used to compose larger shapes (part to whole).
- describing basic features of shapes.
- comparing the shape of two objects.

Content Area Literacy Standards	21st Century Skills
<i>not applicable</i>	<ul style="list-style-type: none">• <i>be self-directed learners</i>• <i>reason effectively</i>• <i>solve problems</i>• <i>think creatively</i>