



40 Years of Inspiring, Educating, Connecting.

Technology Integration Workshop
2016

Unit Title: 2D Shapes

Grade Level: Kindergarten

Subject Area: Math

Duration/Length/Number of class periods: Three weeks, 12 lessons

Description: Teach scholars to recognize and identify two-dimensional shapes: circle, triangle, rectangle, square, trapezoid and hexagon.

Established Goals (National, State, Local): MN State Standard: K.3.1.1: Recognize basic two- and three-dimensional shapes such as squares, circles, triangles, rectangles, trapezoids, hexagons, cubes, cones, cylinders and spheres.

What **Enduring Understandings** are desired?

Two-dimensional shapes can be described.

Two-dimensional shapes can be identified.

Two-dimensional shapes can be compared.

All objects have a shape with a specific name.

A shape is the outline of an object.

A two-dimensional shape is flat.

If I join shapes, I can create new shapes.

What **Essential Questions** will be considered?

Why are shapes important?

Where do we find shapes around us?

What are the different shapes in our world?

What is a two-dimensional shape?

What can happen when I join shapes?

What is a shape?

Students will know / be able to:

Students will be able to name six two-dimensional shapes.

Students will be able to identify each two-dimensional shape when shown to them with 90% accuracy.

Students will be able to compare different two-dimensional shapes.

Students will be able to describe two-dimensional shapes.

Students will be able to identify two-dimensional shapes in pictures..

Students will be able to create original pictures using the two-dimensional shapes.

Students will be able to tell characteristics of two-dimensional shapes.

Students will be able to manipulate two-dimensional shapes.

Description	Fo rm ati ve	Su m ma tiv e	Intr odu ctor y Acti vity	Lea rnin g Acti vity	Stu dent Tec hno logy Use d	Teac her Tec hno logy Used	ISTE Stan dards
L1: Introduction to six shapes: Scholars will be introduced to the six two-dimensional shapes listed. We will talk about the shapes and how they are alike/different. Scholars will use pattern blocks to fill in shape pictures to become familiar with them.			x	x			6B
L2: Circle/Triangle: Teach circle poem, circle song: click here Practice writing shape on whiteboard and check with your neighbor.			x	x		x	
L3: Circle/Triangle: Teach triangle poem, triangle song: click here Practice writing shape on whiteboard and check with your neighbor.			x	x		x	
L4: Comparison Activity (Circle/Triangle) Talk about how to identify a circle and triangle. Have container of circles and triangles to sort on sheet. Using Starfall, do shape game.	x			x	x		1D
L5: Square/Rectangle: Teach square poem, square song: click here Practice writing shape on whiteboard and check with your neighbor.			x	x		x	
L6: Square/Rectangle: Teach rectangle poem, rectangle song: click here Practice writing shape on whiteboard and check with your neighbor.			x	x		x	
L7: Comparison Activity (Square/Rectangle) Talk about how to identify a square and rectangle, the differences and similarities between them. Have container of squares and rectangles to sort on a sheet. Using Starfall, do shape game.	x			x	x		1D
L8: Trapezoid/Hexagon: Teach trapezoid poem, trapezoid song: click here Practice writing shape on whiteboard and check with your neighbor.			x	x		x	
L9: Trapezoid/Hexagon: Teach hexagon poem, hexagon song: click here Practice writing shape on whiteboard and check with your neighbor.			x	x		x	

L10: Comparison Activity (Trapezoid/Hexagon): Talk about how to identify a trapezoid and hexagon, the differences and similarities between them. Have a container of trapezoids and hexagons to sort on a sheet. Using Starfall, do shape game.	x			x	x		1D
L11: Review: Shape song: click here Practice writing shape on whiteboard and check with your neighbor. Scholars create a picture using shapes or combined shapes to make the objects (Seesaw App)				x		x	6B
L12: Assessment: Individually, scholars will be asked to identify all six shapes.		x					

Materials, tools and resources: pattern blocks, pattern shape pictures, iPads, sorting sheets, white boards/markers

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Additional credit given to