





Math Talk

Child Vocabulary:					
Math Vocabulary	Age-Appropriate Definition	Hand Motion			
Two-Dimensional (2D) Shapes	"Shapes that are flat"	Clap hands together			
Three-Dimensional (3D) Shapes	"Shapes that can hold something inside of them."	Hook arm around side and use the other hand to point into the hole.			

Adult Vocabulary:			
Math Vocabulary Hexagons	Definition Any shape with 6 sides. Look at all these different hexagons!	X	

Self-Talk: is when you narrate your own actions. Here are some examples of how to use self-talk to practice shapes:

- >> When traveling, "The speed limit sign is a rectangle because it has 2 long sides and 2 short sides."
- >> When drawing or coloring, "I am going to draw a circle for the sun. A circle goes around and around!"

Parallel-Talk: is when you narrate the child's actions. Here are some examples of how to use parallel-talk to practice shapes:

- >> When playing with play dough say, "I noticed that you cut your play dough into a square. It's a square because it has 4 equal sides!"
- When playing with pattern blocks say, "I see that you put >> two red trapezoids together to make a hexagon!"

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Build

Teaching Strategies GOLD Objective:

21b Understands Shapes:

(Yellow, Green, Blue, Purple) Matches two identical shapes; identifies a few basic shapes (circle, square, triangle); describes basic two- and three-dimensional shapes using own words; recognizes basic shapes when they are presented in a new orientation.



Book Recommendation:

A Triangle for Adaora by Ifeoma Onyefulu

Play and Connect

Here are some ideas for continuing to play and learn about shapes!

In The Classroom:

- >> Provide students with a handful of popsicle sticks. Pull a number from a hat or bowl. Ask students to try to make a shape using that number of sticks. Discuss the different shapes students made; how are they similar or different?
- >> In the block center, model for students how to create a blueprint. Draw different shapes to represent the blocks you will use in your tower. Then, invite students to be architects and create their own blueprint before they build a tower. Talk about the shapes that they used in their blueprint.

At Home Visit:

- Source See what different shapes you can make using the sticks.
- So on a shape hunt. See what different shapes you can find. For example, a street sign is a rectangle!
- >> Encourage families to discuss the shape of various food items and utensils when they are eating. For example, you may discuss how a plate is like a circle or a slice of pizza is like a triangle because it has 3 sides.

TS GOLD ALIGNMENT

Game Level

el Name/Description

Shape Matcher



Matches two identical shapes. Finds 2 orange square pattern blocks and says

Sorout

3 Years

Basic Shape Identifier

"these are the same!"

Identifies a few basic shapes such as triangle, square or circle. Looks at a green triangle pattern block and says, "it's a triangle!"



2D Shape Describer

Describes basic 2D shapes using their own words. Says, "It's a triangle because it looks like a slice of pizza!"



5 Years/Kinder

3D Shape Describer

Describes basic 3D shapes using their own words. Says, "It's a sphere because it looks like a ball!"

Recognizes basic shapes when they are presented in a new orientation. Says, "It's a triangle no matter how you turn them!"

Learn more about playing math at Zenomath.org/partner-resources/

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