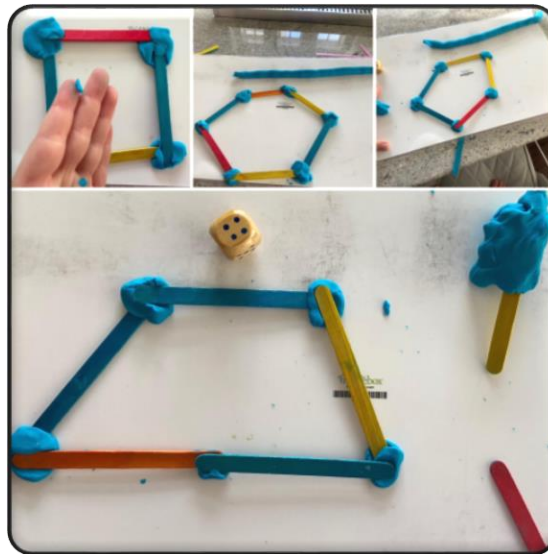




Activity: Build Shapes with Playdough

Young children need to perform many types of transformations- flipping a cup upside down, rotating a toy to fit into a storage space, turning puzzle pieces- to talk about and more deeply understand them. Provide lots of high-quality experiences and discussions with rich language and observations that lead children to reason aloud, “See, it’s a triangle because it has three sides!” -NAEYC, 2019



Learning Targets:

- I can identify shapes by naming them and telling how many sides and angles they have.
- I can identify shapes by counting its sides and angles and saying the name of the shape.
- I can subitize up to 5 by looking a die and saying how many dots there are without counting.

Materials Needed:

- Playdough. Check this recipe to make it at home <https://youtu.be/NGNRn3HAYJg>
- A mat (to roll your playdough)
- Six popsicle sticks.
- A die



Math Activities

Week of May 18th – May 22nd

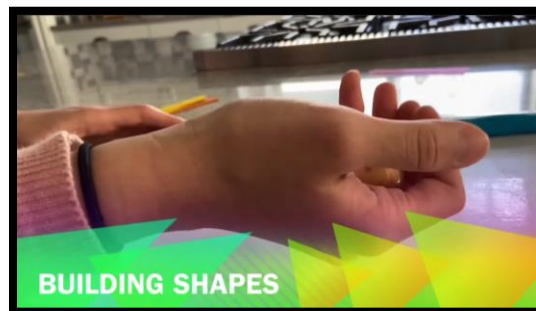


Directions/Instruction:

1. Explain to your child that you are going to build shapes using popsicle sticks, playdough, and a die.
2. First roll your die to know how many popsicle-sticks you have to use to build a shape.
3. Ask your children to say the number in the die by looking and not counting the dots.
4. Then build your shape using playdough and the given number of popsicles.
5. When your shape is built, count how many sides it has (popsicle sticks) and how many angles (playdough used to connect the sticks).
6. Ask your children to name the shape they built.

Watch this video to see an example of the activity

<https://youtu.be/BlqveiyRQfA>



Not Ready Yet: Do not use a die. Start by modeling to your children how to make shapes using 3, 4 and 5 sticks. If your children are able to follow along with you, do so, if not build different shapes and describe what you are building: "I building a shape that has three sides, and three corners, all are connected and closed. This is a triangle". Make sure to have enough materials for everyone.

Need a Challenge:

- Build shapes using 8 or more popsicle sticks. You can use the [Google Dice Roller](#) to roll dices with more than 6 sides. Build more complex shapes like hexagons, pentagons, octagons, heptagons, etc.



Meadow Crest Early Learning Center

3

Math Activities

Week of May 18th – May 22nd

- Describe a shape and ask your children to build it using popsicle sticks and playdough. Example: "I'm thinking of a shape that has 4 sides and 4 angles. All sides are the same".
- Let your children describe shapes for you to build.

Ready Rosie



- **"Guess My Shape"**. *Can your child guess your shape? Give descriptions of two-dimensional shapes (circle, triangle, square, rectangle, etc.). For example, "My shape has four equal sides".* <https://app.readyrosie.com/en/videos/631>
- **"Shaving Cream Shapes"**. *Spread some shaving cream on a flat surface. Invite your child to use a finger to draw a house. Begin by making a square with four equal sides. Add a triangle for the roof. What shapes should you add for the doors and windows?* <https://app.readyrosie.com/en/videos/264>
- **"Shape Changers"**. *Cut out triangles, squares, and rectangles from paper or search for "tangram pattern" on the Internet. Invite your child to put the shapes together to create new shapes. For example, "Can you use two triangles to create a square? How about two triangles to make a bigger triangle?" Take it to the next level to see which of these shapes can be placed together to make a trapezoid.* <https://app.readyrosie.com/en/videos/209>



Click in the middle of each picture to go to the Video

- Read Out loud: "Friendshape" by Amy Rouse Rosenthal <https://youtu.be/njfxkh6emhU>





Meadow Crest Early Learning Center

4

Math Activities

Week of May 18th – May 22nd

- How to Make Playdough at Home

<https://youtu.be/NGNRn3HAyJg>



- Subitizing up to 5 – Jack Hartman

https://youtu.be/PSIA-u_ABmU

