

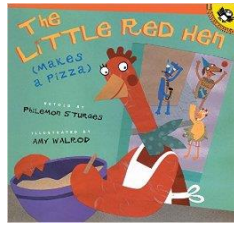


Molding Sand



Standards:

PHD.FM.PS.1 - 6
ELA.SL.CC.PS.1 - 3



Materials:

- *The Little Red Hen Makes A Pizza*
- sand
- small spray bottles with water
- small or pretend cooking pots, muffin tins, utensils, i.e., ice cream scoops
- plastic spoons
- shovels or scoops
- plastic gloves
- smocks

Vocabulary:

- mold: a container used to make a shape
- moist: a little wet
- pat: press gently
- wet: not dry
- crumble: break into small pieces
- fill

Preparation: Set up materials.

Intro to Centers:

"In *The Little Red Hen Makes A Pizza*, the hen used these materials to shape her pizza. What do you notice?"

"Today at Discovery, you can **mold** sand with these materials that we learned about in Let's Find Out About It. What do you notice?"

"How are these materials similar to or different from the pans and utensils the hen used?"

"First I will fill the **mold** with sand and turn the **mold** over. What do you think will happen when I lift the **mold** off the sand?"

"My sand **crumbled**---it broke into small pieces. How could I prevent the sand from crumbling?"

"I will spray a small amount of water and **moisten** my sand- make it a little bit **wet**. I'll fill my mold with **moist** sand and **pat** it- press it gently. What do you think will happen now when I turn the mold over?"

Show illustrations. Children respond.

Show materials. Children respond.

Children respond.

*Model using dry sand.
Children respond.*

Children respond.

Children respond.

During Centers:

Compare and contrast molding sand to making dough letters, or playing with playdough. If children need a smaller work space, set up bins of sand and materials on tables. Encourage children to notice how differently shaped molds create differently shaped sand creations.

Guiding Questions during Centers:

- In *The Little Red Hen Makes A Pizza*, the hen used a pizza pan to shape her round pizza. Why are different shapes and sizes of pans and tins useful for making different kinds of food?
- What mold would you use to make _____? Why?
- If I add a small amount of water I can moisten the sand. What would happen if I added a lot of water?
- What other materials in the classroom could we use as molds?

Thinking & Feedback: Invite children to share their processes. Encourage children to describe the challenges they might have encountered.

Documentation: Take photographs of children during the activity and display them with captions of the children's words describing their process.

Provocation:

Encourage children to find other materials in the classroom that can be used to create shapes that are similar to those made with the cooking pans and utensils.