

# 3D DESIGN LEARN TO MAKE IN ALL 3 DIMENSIONS!



## Activity

Make things using 2 different types of clay

## Materials

Plastilina Clay, Polymer Clay, Popsicle Sticks, Parchment Paper & Plastic Utensils

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Use your phone camera to scan the QR Code. This will open your virtual bag!

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HERE ARE SOME AWESOME EXAMPLES OF WHAT YOU CAN MAKE WITH CLAY!



Clay for Kids

# LEARN ABOUT THE 2 DIFFERENT TYPES OF CLAY:

## PLASTILINA CLAY



VS

## POLYMER CLAY



- Always remains soft
- Will not harden with heat or time
- Cannot fire or Oven-bake
- Only used for modeling
- Can always be reused
- Perfect for Stop Motion Animation & Claymation
- Wax and Oil Ingredients

- A.K.A. "Oven-bake Clay"
- Remains soft at room temperature
- Becomes permanently hard when baked at the correct temperature
- Can be used to make permanently hard objects
- Made with PVC Plastic

## CLAY MODELING:

Start by choosing which type of clay to use. If you are just practicing, use the Plastilina so the clay can be reused. If you want to make something permanent, use the polymer clay and bake to harden when done.

## LETS MAKE A BEAR!

1. Grab a block of the type of clay you chose, and knead it into a ball.
2. Divide the ball into 3 equal size balls.
3. Roll two of the balls into 2 equal size tubes. Then break the 3rd ball into 4 smaller balls, that will become the head, ears, and nose.
4. Bend the two tubes into a curve as shown. Then make the head from the 4 smaller balls you made.
5. Finally, assemble the two curved tubes to make the body as show. Then attach the head.



**CONTINUE TO THE NEXT PAGE!**



## FINISHING YOUR MODEL:

- If you made your bear with the Plastilina Clay, you can knead it back into a ball and you can reuse the clay again later.
- If you made your bear with Polymer/Oven-Bake clay, now you can ask your parents to help you correctly bake the clay to harden it permanently.

## BAKING/FIRING YOUR MODEL:

**THE OVEN-BAKING/FIRING OF YOUR DESIGN MUST EITHER BE DONE BY YOUR PARENTS OR WITH DIRECT PARENT SUPERVISION!**

Things you will need:

- Oven(or toaster oven)
- Oven-tray
- Foil/baking paper

Step by Step Instructions:

- Put your creations on a small sheet of foil or baking paper and then on the oven-tray
- Look for the recommended baking temperature on the clay and preheat it to this degree\*(**Temp is Specific to Brand!**)
- After preheating, place your clay and baking tray into the oven, centering it on the middle rack for even heating
- Look for the recommended baking time and bake it that long(**Time is Brand Specific!**)
- Open the windows to ensure fresh air
- When time is up, turn off oven, put on gloves, and remove tray from oven
- Allow the clay to cool slowly



## DONT STOP HERE! WHAT ELSE COULD YOU MAKE?

ONCE YOU MAKE YOUR BEAR, KEEP MAKING AND EXPLORING MORE. WHAT ELSE YOU CAN MAKE WITH THE CLAY YOU HAVE?  
KEEP EXPLORING!

