

## PARENT'S GUIDEBOOK:

### 2D SHAPE HUNT- Nursery

This **2D shape hunt** is a simple way to turn an ordinary regular neighborhood walk into a super fun math lesson! This helps to learn and recapitulate about 2d shapes including circles, triangles, rectangles and squares as you sneak in a little exercise.

#### REQUIREMENTS:

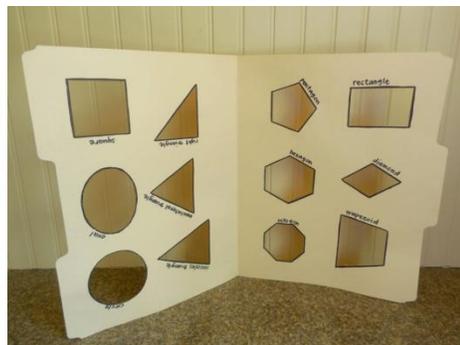
- Card Board
- Scissors
- Pencil

#### STEPS:

- Printed out the shapes-circle, square, rectangle, triangle, star and traced the shapes on the card board
- Now cut the shapes out using the scissor and trace around the outside border with a pencil to make the shapes stand out
- You can do as many or as few shapes as you want
- First, let our little one name all of the shapes
- Now go on a shape hunt with the self designed card
- Some shapes will be easier to find than others — there are a surprising number of circles, rectangles, and triangles all around your typical neighborhood!
- Later let the child cut all the different shapes observed by him/her and form a shape mosaic/scenery with the shapes on a chart paper.
- In the corner of the chart paper also count the number of circles, squares, rectangles used in the mosaic or scenery.
- Child must bring the chart to the school for the circle time discussion on his experiment and observation

This is a great way to introduce and recapitulate shapes to your child.

## SHAPE HUNT



## **PARENT'S GUIDEBOOK:**

### **INFLATE A BALLOON-K.G.**

#### **REQUIREMENTS:**

- Clear plastic or glass bottle with a narrow neck
- 2 Tablespoons dry yeast
- 1 Tablespoon sugar
- 2-3 Tablespoons lukewarm water
- Party balloon
- Bowl or mug full of lukewarm water

#### **STEPS:**

- Let the kids help measure out ingredients
- Let them measure the yeast, sugar, and warm water into a cup.
- Ask the little ones to stir the ingredients and then use a funnel to pour the brown mixture into the bottle
- Add a little bit more water to help the yeast mixture get through the neck of the funnel
- Quickly stretch a balloon over the mouth of the bottle
- Place the bottle into a mug full of warm water and observe
- Almost immediately, you will observe bubbles in the yeast mixture
- Click the pictures of child doing the activities (minimum 5 different steps of the experiment) and paste the pictures on a chart paper
- Child must bring the chart to the school for the circle time discussion on his experiment and observation



#### **INFLATE A BALLOON SCIENCE:**

Yeast is a microscopic fungus that converts sugar into carbon dioxide.

The bubbles are tiny bubbles of carbon dioxide gas that the yeast produces coming in contact with sugar. For yeast to be active, it needs to be warm and moist. That's why we added lukewarm water and placed the bottle in more warm water.

Every time you notice that the balloon will get bigger and bigger on top of the bottle! As the yeast continues to react, it converts more and more sugar into carbon dioxide gas.

This gas gets trapped in the balloon, making it inflate as if by magic!

It will take about an hour for the balloon to reach its maximum size.

## PARENT'S GUIDEBOOK:

### CLAY MOULD 2D & 3D SHAPES-P1

#### REQUIREMENTS:

- Clay
- Tooth pick
- Ice cream Stick
- Plastic container/Card Board

#### STEPS:

- Make balls of different coloured clay
- Use tooth picks to connect the balls with each other to form a shape of your choice
- They may use ice cream stick and clay to form different structures
- Students may use these shapes and structures to create a project on the card board
- Child must bring the project to the school for the circle time discussion on his project

