

“Balloon inflation Experiment”

2.6 Positive attitude towards learning, curiosity and a sense of mastery

Supplies:

- Clear plastic or glass bottle
- 2 tbsp of dry yeast
- 1 tbsp of sugar
- 2-3 tbsp of warm water
- Party balloon
- Bowl or cup of warm water

Instruction:

1. Let the child measure and mix yeast, sugar and warm water in a mug or a bowl.
2. Stir ingredients well and pour the mixture into the bottle using a funnel
3. Quickly stretch a balloon over the mouth of the bottle
4. Place the bottle into the cup/bowl with warm water sat back and observe



Explanation:

Yeast is a microscopic fungus that convert the sugar into a carbon dioxide. The tiny bubble that children can see at the bottom of the bottle are carbon dioxide gas that is made by the reaction between east and sugar. In order to activate the yeast, it need warm and moist, that is the reason why we added warm water into the experiment. As the yeast continued to react, more gas was trapped in the balloon making it inflate bigger and bigger.

Overall the experiment will take about an hour for the balloon to reach its maximum size. Don't forget to check on it every 10 min to see the difference in size of the balloon during the hour of experimenting. Make pictures to record the science experiment to share it later with class

GOOD LUCK friends and have fun))))



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