

Fizzy Planet Art



Space

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Preschoolers
2.5 - 4 years

This activity is a fun way to learn more about space and chemical safe reactions with items you have around the house. Your child will be working on their understanding and observation skills while using problem-solving and logical reasoning to solve how the reaction happened.

Learning Outcomes

Domain:

Cognition

Indicator:

Responding with joy to the predictable outcomes of exploration

Skills:

Cause-and-effect exploration



Materials

- Black cardstock or cardboard
- Marker
- Baking soda
- Vinegar
- Spray bottle
- Paint (white and 2 colors of their choice)
- Plastic cups (3)
- Plastic spoon
- Paintbrush



Instructions

Step 1: Set up an area that can get messy.

Step 2: Take 3 plastic cups and add a small bit of paint (1 tablespoon), using a different color for each cup.

Step 3: Mix some baking soda in the paint (2 tablespoons) — it should be thick.

Step 4: On the cardstock or cardboard, draw a large circle (the planet) with a marker.

Step 5: Have your child paint inside the circle, encouraging them to use the 2 colors they chose. Then add white dots for stars around the circle.

Step 6: Let it dry.

Step 7: Once dry, spray it with vinegar and watch it fizz!

Messy Alert! This activity can be somewhat messy so expect some clean up after it's done. If possible, try doing the fizzy part outside to help keep your place cleaner.



Age Adjustments

For older preschoolers: Let them explore different shapes other than a circle as well as creating moons with different colours.

For toddlers: Have your kiddo help with the spraying. The reaction will cause lots of excitement!



Playful Questions

- What do you think will happen when we spray the vinegar?
- Do you think we can live on other planets?
- What does that sound make you think of?
- Do you think planets have a surface like that?
- What planet do we live on?