

Brainy Board

Select the correct age group for FREE educational resources to try out this weekend!



Ages
1-5

Ages
5-11



IT'S SCIENCE WEEK!

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Ages 1-5

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Frozen Flowers Sensory Activity

You will need:

- flowers
- water
- plastic cup or container
- freezer
- large activity tray
- props for an activity tray, such as tape, tweezers, spoons or tongs

Set-up:

- Collect some colourful flowers, such as daisies or buttercups, from your garden or local outdoor area.
- Arrange the flowers at the bottom of your cup or container. (Add plenty of flowers and try to keep them close to the edges so they are visible through the ice.)
- Fill the container with water and put it in the freezer. You will need to leave it for at least 24 hours until the water has turned to ice.

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Floating Boats Challenge

You will need:

- a large plastic bowl filled with water
- paper
- sticking tape
- straws
- sticky tack
- cardboard
- egg boxes
- small cardboard boxes
- tin foil
- marshies
- stopwatch/timer

Set Up:

Lay the equipment out on a table and fill a large plastic bowl with water.

Challenge:

Using the materials provided, can you make a boat that floats?

Make Your Boat:

Use the materials provided, can you make a boat that floats? Make your boat out of different materials. You will have 10 minutes to make your boat. The boat which floats the most water wins a prize.

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Make It Rain Experiment

You will need:

- an open-necked glass vase or jar
- clear water
- bowl
- blue food colouring
- shaving cream
- pipette

Instructions:

- Add clear water to the glass vase or jar, between half and three-quarters full.
- Add water to the vase and colour with blue.

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Fizzing Rainbows Experiment

You will need:

- jelly powder in lots of different rainbow colours
- baking soda
- water
- food colouring in the same colours as the jelly crystals
- ice cube trays
- vinegar
- spray bottles and/or pipettes

Instructions:

- First, make your rainbow ice cube trays.

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Wow!

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Ages 5-11

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Marie Curie Quiz for Kids

Chapter Quiz for kids to test their knowledge of the chapter.

1. Marie Curie was born in Poland. What was her full name?
2. Marie Curie was born in 1867. How old was she when she died?
3. Why did Marie Curie become a scientist?
4. How did Marie Curie become a scientist?
5. How did Marie Curie become a scientist?

Chapter Quiz for kids to test their knowledge of the chapter.

1. Marie Curie is the only person to have won which prize for both physics and chemistry?
2. In 2009, as the result of a poll, Marie Curie gained which award?
3. Marie Curie developed radiation which is used in what medical procedure?
4. Why couldn't Marie Curie study at the University of Paris?

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Foaming Dragon Experiment



You will need:

- Dragon Templates, printed
- red string from sheets
- large baking tray
- sticky tape
- googly eyes
- plastic bottle with wide mouth
- white vinegar
- dishwashing liquid
- red liquid food colouring
- baking soda



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Edible Fossils Experiment

Edible Fossils Experiment

1. What are fossils?
2. How are fossils formed?
3. How are fossils found?
4. How are fossils used?
5. How are fossils used?



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Magic Milk Potions

Ingredients:

• washing-up liquid

• cotton buds

• food colouring

• shallow plate

• milk

• food colouring

• cotton buds

• food colouring

• shallow plate

• milk

• food colouring

• cotton buds

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