

Floating Egg

Lesson Overview

Learners will make observations and predictions to answer the question “Does an egg float in water?”

Suggested Grade Levels: K-2

Standards for Lesson

Content Standard A: Science as Inquiry

K-4: Ask questions about objects, organisms, and events in the environment.

Time Needed

This lesson takes several class periods. Sample schedule:

Day One: Complete the **Engage** and **Explore** portion of the lesson
Day Two: Complete the **Explain** portion of lesson
Day Three: Complete the **Elaborate** and **Evaluate** portion of the lesson

Materials

- Egg (1 per group)
- Water
- Salt
- Clear cups

Content Background

Floating and sinking is a key concept for students to master.

Engage

Ask the students to generate words to describe water. What do they know about water? List student responses on the board. Tell the students that today they are going to explore the idea of floating and sinking.

Explore

Tell the students they are going to make a prediction. A prediction is something a scientist does when he is trying to answer a question. Ask students to make a prediction if they think an egg will float in water or not. Have children state why they think the egg will float or sink and record these as well.

Place the Graph Head on the board or a piece of chart paper and record the children's predictions in the left hand side of the chart. Have children place their egg in a cup of water and make their observations. Once everyone has finished, complete the right side of the chart.

Explain

Discuss the graph with children. Ask the students does our data support what we predicted? What questions do you have now?

Elaborate

Read to children about the great salt lake and how you can float. Ask children if they think adding salt to water will cause it to float as well. Allow children to try it out. Record predictions.

Evaluate

Ask children to write one new thing they learned from their experiments today, one question they still have, and one thing they want to try tomorrow.

Egg Prediction Sheet

Do you think an egg will float in water? Circle your answer.

Yes

No

What did you find out?

What questions?

What do you think would happen if we changed the water?
Say, if we added salt?

Graph Head

Will an egg float in water or not?

Yes

No

Yes	No