

National Egg Day Lesson Plan: "The Great Egg-speriment"

Grade Level: 2nd–5th

Time Needed: 60–90 minutes

Subjects: Science, ELA, Art

Objectives

By the end of this lesson, students will:

- Understand basic properties of eggs (structure, strength, reactions).
 - Conduct hands-on science experiments involving observation and hypothesis.
 - Practice reading comprehension and creative writing.
 - Reflect on scientific learning through writing and/or drawing.
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Materials

- Raw eggs (1–2 per student or pair)
 - Clear cups or jars
 - Vinegar
 - Food coloring (optional)
 - Plastic spoons
 - Zip-top bags (optional)
 - Paper towels
 - Printed story: "*The Great Egg-speriment*" (or read aloud)
 - Student worksheets (observation journal, story reflection, or comic strip templates)
 - Crayons, colored pencils
 - Optional: small protective containers for egg drop (cotton balls, string, paper, tape)
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Lesson Outline

1. Warm-Up / Introduction (10–15 min)

- Write on the board: "What makes eggs *egg-citing*?"
- Brief discussion about National Egg Day (June 3rd)
- Read the short story "*The Great Egg-speriment*" aloud or in pairs.

- Ask comprehension questions:
 - What experiments did the class in the story do?
 - Why was it called “The Great Egg-speriment”?
 - What did the characters learn?
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2. Science Time: Hands-On Experiments (30–40 min)

Experiment A: Bouncy Egg

- Place an egg in a cup of vinegar.
- Observe what happens to the shell after 24–48 hours. (Start in class, complete at home or over two days.)
- Optional: add food coloring.

Experiment B: Strength Test

- Try to squeeze an egg *lengthwise* in your hand. It won’t break easily due to its arched shape!
- Record predictions and outcomes.

Experiment C: Egg Drop Challenge

- Students build protective containers for an egg.
 - Drop from a safe height and observe which survived!
 - Discuss forces and protection design.
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3. Wrap-Up Reflection (15–20 min)

Choose one or more:

- **Write:** “If I were an egg on Egg Day...” (narrative)
 - **Draw:** Create a comic strip retelling the story or showing their experiment.
 - **Respond:** What did you learn about eggs today? What surprised you?
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Assessment

- Participation in experiments
 - Completed observation journal or reflection writing
 - Comprehension questions from the story
 - Creativity and thoughtfulness in writing or artwork
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Standards Alignment (Common Core & NGSS)

- **CCSS.ELA-LITERACY.RL.3.1:** Ask and answer questions to demonstrate understanding of a text.
- **CCSS.W.3.3:** Write narratives to develop real or imagined experiences.
- **NGSS 3-PS2-1:** Plan and conduct an investigation to provide evidence of the effects of balanced and unbalanced forces.

