

# Responsibility Egg Drop Challenge

For this project, students will work in small groups to design a case or “safe space” in which to place an egg with the idea that the egg will remain unbroken after being dropped in this case. The students’ primary responsibility is to ensure the egg doesn’t break upon landing.

## Kindness Concept(s)

Responsibility, Kindness

## Project Timeframe

25-30 minutes

## Required Materials

- Egg (one for each student)
- Misc. packing supplies for egg drop challenge (any materials are allowed)

Students should be put into groups ahead of this activity and be told to bring in items they think they could use to create some kind of special case or space for their egg. After the groups use the items that group members brought in, students (or the teacher) will drop their egg in their contraption from a height predetermined by the teacher (higher makes it more challenging). Groups will fill out their Responsibility Egg Drop Challenge Planning Worksheet first, then build the egg case, and then present their creations to the class before dropping. Each student completes the Responsibility Egg Drop Challenge Recording Sheet both before the egg drop and after. The idea is to remind students of their responsibility to get their egg to the ground safely!

## Wrap Up:

As a group presents their egg case, everyone else should be writing down what the case is and whether or not they think it will work. Upon each drop, students should finish recording their observations on the recording sheet. After all the drops are recorded, have students share whether or not their predictions were accurate and which surprised them the most. You can also have groups express what they would have done differently if their egg did not survive the drop. Have students discuss the sense of responsibility they felt (if any) to get the egg down safely.

## Proposed Lesson Outcomes:

Students will:

- Create a container that will protect an egg from breaking after dropping from a significant height.
- Make predictions and record observations regarding the egg drop.



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AS A RECOMMENDED  
PROGRAM FOR SOCIAL  
AND EMOTIONAL  
LEARNING.

The Collaborative for Academic, Social, and Emotional Learning (CASEL) has been reviewing evidence-based SEL programs since 2003. Kindness in the Classroom® meets CASEL’s SElect Program and is included in the [CASEL Guide to Effective Social and Emotional Learning Programs](#).

Kindness in the Classroom® met or exceeded all of CASEL’s criteria for high-quality SEL programming. Kindness in the Classroom® received CASEL’s highest designation for high-quality SEL programming.

<https://casel.org/guide/kindness-in-the-classroom/>

**RANDOM ACTS OF KINDNESS**  
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# Responsibility Egg Drop Challenge Planning Worksheet

Your objective is to design a system to protect a raw egg from cracking or breaking from a fall of 1 meter.

Materials: Use anything you'd like! Some ideas include: paper towels, packing peanuts, straws, tape, cardboard tubes, paper, popsicle sticks, baggies, balloons, or old boxes. Be creative in the materials you choose.

As a group, brainstorm and illustrate your design in the box below. Use more paper if necessary.

Explain why you feel your design will protect the egg and prevent it from cracking upon landing:

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After you build and test your designs, record the results here:

Design	Do you think your design will succeed in protecting the egg from breaking?	Results of 1m drop	Was your prediction correct?
1		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
2		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
3		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
4		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
5		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
6		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
7		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
8		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
9		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct
10		<input type="checkbox"/> Broken <input type="checkbox"/> Not broken	<input type="checkbox"/> Correct <input type="checkbox"/> Not correct

(Use another sheet if you try more than 10 designs)