



Animal Agriculture and Engineering Design

The engineers working on this team are:

- 1.
- 2.
- 3.
- 4.
- 5.



Ask: What is the need? What is the problem?

How can we catch an egg after the chicken lays it to move it safely?

Imagine: What could be some solutions?

The farmer can't pick up each egg by hand. Imagine some ways those eggs could be caught and collected? Brainstorm a few ideas.

Plan: Test your ideas. Draw a diagram of one idea on the back of this page.

Use paper to test some ideas. How can you use paper to cushion, catch, and safely collect your egg? After you test your ideas, draw a diagram of your best idea on the back of this page.

Create: Build a prototype. Test the prototype.

Use 8 sheets of paper and 50 cm of tape to build a free-standing egg-catcher.

Test

Egg dropped at 1 meter height. Successful test? Yes _____ No _____

Improve: How could you improve your design?