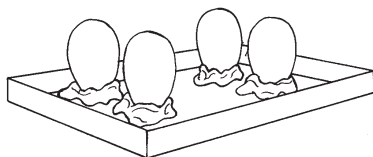


**TASK
CARD****Lesson 6 —Experiment #1*****Why is an Egg Oval-Shaped?*****Materials:** Paper plates, egg, three-dimensional shapes

1. Imagine that the paper plate is a bird's nest.
2. Gently roll the egg on the plate and record your observations in your Logbook, Lesson 6.
3. Gently roll each of the three-dimensional shapes one at a time on the plate and record your observations in your Logbook.
4. Consider the list of functions of an egg. Compare the different shapes and evaluate them. What did you discover? Which shape seems to be the best and why?

**TASK
CARD****Lesson 6 —Experiment #2*****How Strong is an Egg?*****Materials:** Four eggs, clay, books

1. Use clay to make four "nesting" stands, one for each egg.
2. Place the small end of an egg into each clay stand. Make sure the eggs are straight in and that the tops are at an even height.
3. Place each stand so that they make a square (see drawing) on the cookie sheet.



The books will need to sit on top of the eggs, so estimate and adjust the distance between the eggs in their stands.

4. Use your Logbook, Lesson 6, and record your hypothesis (prediction) to this question: How many books can I place on top of these four eggs before they break?
5. Test your hypothesis and record your results.