Experiment #3- Egg Shell Strength

Supplies:

1. An egg
2. Two plastic bottle caps
3. A book or other heavy, flat object

Instructions:

1. Place the flat surface of the first bottle cap on a table.
2. Place the egg into the first bottle cap.
3. Place the second bottle cap on top of the egg, with the flat surface facing up (the egg should be balanced between the bottle caps).
4. Place the book on top of the second bottle cap.

Experiment:

When a chick is born, it uses its pointed beak to crack its egg. This action applies a lot of force to a small area, which is why the egg cracks. But when you balance the egg between two bottle caps and then place a book on top of the egg, the weight from the book is spread over the entire surface of the egg, which makes the egg harder to crack.