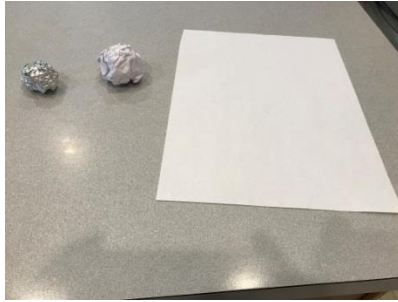




Simple Science



Let's explore gravity and its effect on birds



Materials Needed: 2 pieces of paper (any kind as long as they're the same)

Directions:

1. Take one piece of paper and crumple it up into a ball. (**baby bird**)
2. Hold flat paper horizontal to the floor at shoulder height. (**adult bird**)
3. Hold the crumpled up paper at the exact same height.
4. Stand on the floor (or chair or bench to get higher if you like).
5. Let go of both papers at the same time.
6. Which will land on the ground first?

Science: When a baby bird is born it can't fly. If it fell out of the nest it would fall to the ground. This is because all objects are pulled toward the earth by **gravity**. As the baby bird grows it learns to open its wings and flutter. Its wings provide **air resistance** (the air pushes up on the wings) that allows it to resist gravity and fly.

???Questions to Ponder???

What would happen if you drop a rock and a flat piece of paper?

What about a rock and a crumpled up piece of paper? Why?

What about two different sizes of rock?

What else can you think of to drop see how gravity works?