



Summer 2020 Lesson

Class: Science

Grade Band: 2-5

Teacher: Mrs. Bickel

Lesson: Paper Airplanes and Bird's Wings

Objective: Students will learn about the adaptations that make flight possible in many birds.

Materials: 3 pieces of paper and a glue stick or tape.

Process:

Birds have adaptations that make flight possible. One adaptation is the weight of their bones. Birds have bones that are lighter because there are hollow spaces within their bones. Lighter bones make it possible that a bird can lift off the ground. But not every bird in the same. When you observe a bird, you'll notice that a bird's body shape affects the way that a bird can fly.

Today we are going to create airplanes that mimic bird flight. But because birds need to be able fly different ways at different times, create at least two airplanes. Try to make airplane that will fly really fast like a bird diving to catch its prey. Create another airplane that simulates a bird that flies a lot or a long way. Then, test your creations.

Did your planes fly like you thought they would? You can refine your design or make another plane that mimics another way that a bird can fly.

Vocabulary: flight, mimic, adaptations, birds