 Activity 20: Airplanes vs. Birds

**Question**

How do various types of birds fly?

**Resources**

Access the website links from the online course.

 [Airborne Experiment](https://wonderville.org/asset/airborne-experiment) (Note: this website requires registration and a username and password)

**Instructions**

**1** Go to the **Airborne Experiment** website.

**2** Work through the questions in the introduction to check what you remember about the forces of flight and answer the review questions on your worksheet.

**3** Start the activity by dragging a set of wings to a body to see what happens. Keep trying various combinations until you find the ones that work.

**4** On your worksheet, record the three kinds of birds you built and how they fly.

**Observations**

**Build a Bird Worksheet**

**Review**

1. What is the shape of a bird's wing called?

2. How does a bird produce thrust?

3. When is drag greater on a bird?

**Glider Testing**

**Name of Bird What kind of flying does it do?**

**(Flapping, swooping. gliding, diving, etc.)**