



## Activity 20: Airplanes vs. Birds

### Question

How do various types of birds fly?

### Resources

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Access the website links from the online course.

- [Airborne Experiment](#) (Note: this website requires registration and a username and password)

### Instructions

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- 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.)