

# ***Wind Tube***

## ***Lesson Directions Overview***

### **Equipment List**

- Wind Tube
- 3-Speed Fan
- Assorted craft and recycled materials (not included)

### **Learning Objectives**

1. Students will investigate how wind affects the motion of objects.
2. Students will analyze how shape, size, and material impact flight.
3. Students will design and test objects to fly or hover in a wind tube.
4. Students will use data to refine designs and improve performance.

### **Grade Levels:** K-8

### **Vocabulary Covered**

- Flight
- Force
- Gravity
- Drag
- Lift

### **Next Generation Science Standards**

- K-2-ETS1-2
- 3-PS2-2
- 3-5-ETS1-3
- MS-PS2-2
- MS-ETS1-4