**Activity 1.2.3 Airfoil**

Introduction

Airfoils range from complex supersonic shapes to simple cloth construction. You can create a simple airfoil to see how airflow applies lift to a simple shape. In this activity you will create a simple airfoil and generate lift.

Equipment

* 2 in. x 9 in. strips of paper (1 piece per student)

Procedure

1. Hold the narrow end of a 2 in. x 9 in. strip of paper to your chin. Gently blow across the top of the paper to cause the paper to rise when air flows across it. Gradually increase the intensity of the air flow to lift the strip of paper higher. Dispose of the paper strip.
2. Record your observations in your engineering notebook.

**Conclusion**

1. Describe why the airflow affected the paper strip.
2. How could you apply this knowledge to your daily life?