

# Introduction

Flight is a fun packed science activities book designed for kids interested in things that fly. Each activity is related to objects that fly through the air. Activities in this activity book include Loop Airplanes, Traveling Balloons, Parachutes, and Flying Polygons.

## Old Chinese Proverb

**I hear, and I forget**

**I see, and I remember**

**I do, and I understand**

I believe that students learn by doing science. This book is dedicated to children who love science and doing science.

### Each activity contains the following:

- ◆ The **Introduction** is a brief statement about the activity and other information you might like to know before you start the activity.
- ◆ **Pictures** are designed to increase your understanding of how to do the activity before you start.
- ◆ **Materials** in each activity are often found around the home. Often recycled materials can be used for the activities also.
- ◆ **Directions** are written in a clear easy-to-understand format.
- ◆ **More science activity ideas** provides other ideas that you might like to try after doing the activity.
- ◆ **Science behind the activity** is at the end of the activity. Information in this part explains science principles or current science research related to the activity.

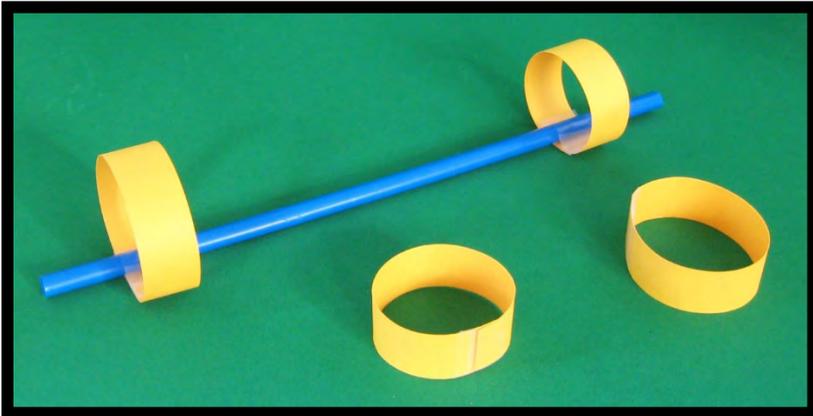
# Loop Airplanes

## Activity 1

### Introduction

Loop airplanes are amazing simple flying machines. Loop airplanes are simple to make and can fly amazing distances. You will be combining two strips of paper taped to a straw to make a loop airplane that can easily fly the length of a room.

Before constructing a loop airplane, see how far a straw flies through the air. Now try making a strip of paper that is  $\frac{1}{2}$  inch (2 cm) wide fly through the air. Now comes the fun part of this activity.



### Materials

- ◆ Index paper or construction paper
- ◆ Straw
- ◆ Scissors
- ◆ Ruler
- ◆ Scotch tape

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