

Project 1.4b Creating the Launch Pad

Introduction

This will guide you in creating a simple launch pad so that your students can test their designs in a fair way.

Equipment



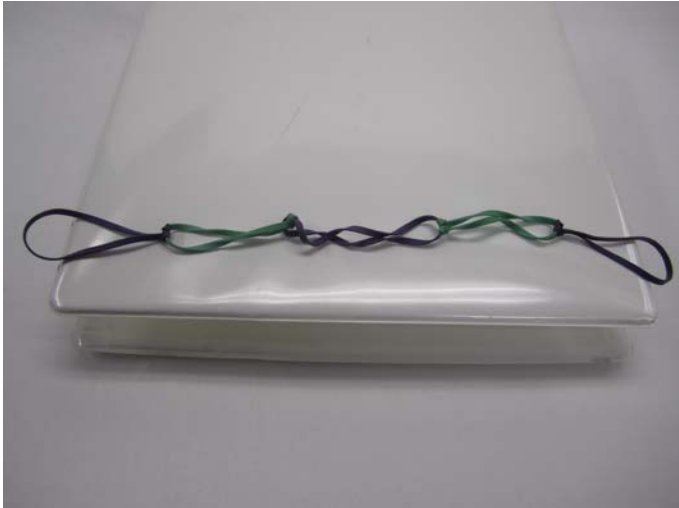
- Ring binder – 2 or 3 inch work best
- Rubber bands
- Launch runway print out (Project 1.4.c or 1.4.d)

Procedure

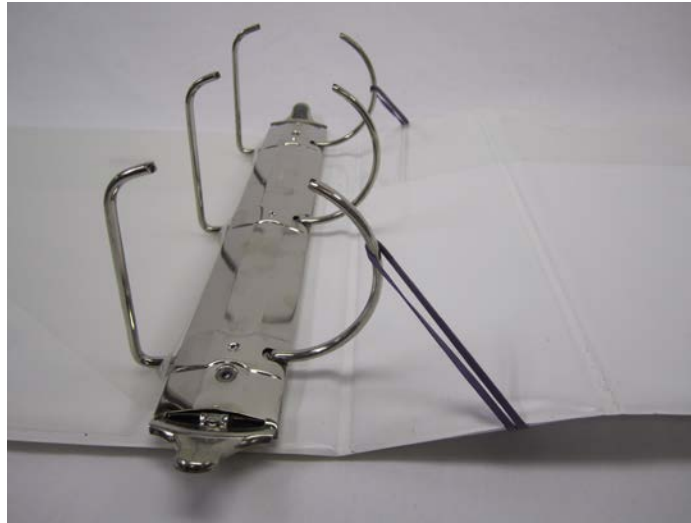
Using the above classroom materials, you can quickly create a launch pad or two for your class.

1. Open the ring binder.
2. Loop several rubber bands together.
3. Stretch them from the outside of the binder to the rings.
4. Close the binder.
5. Depending on the strength of your rubber bands, you will need to adjust the launch line. Use the middle or lower template or your own design.
6. Tape the runway to the cover of the ring binder.
7. To Launch
 - a. Pull the airplane back while holding the tail.
 - b. Pull the airplane back so the nose of the airplane is behind the launch line.
 - c. Release, observe flight, and measure.

(See photos below to clarify)

<p>Materials</p>	
<p>Step 2</p>	
<p>Step 2</p>	

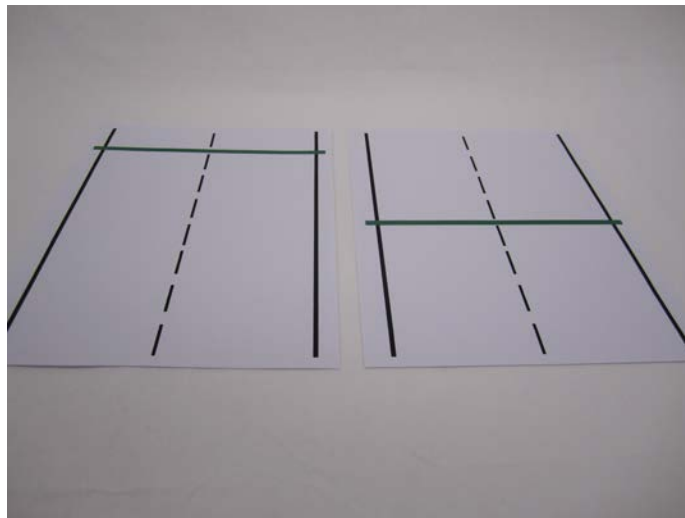
Step 3



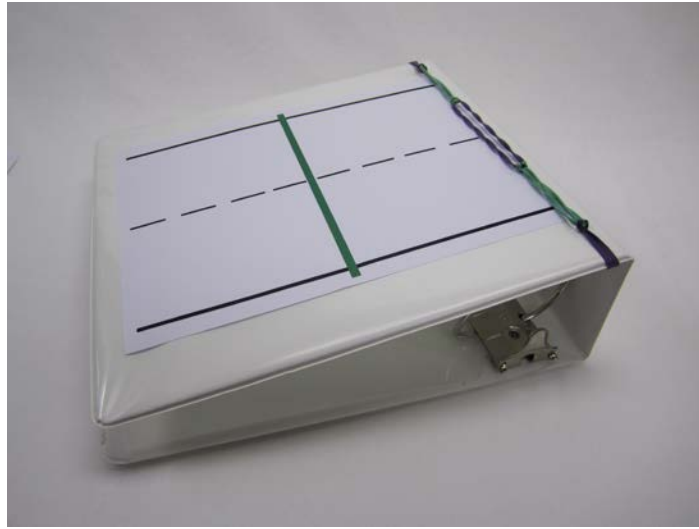
Step 4



Step 5
Choices



Step 5
Option 1



Step 5
Option 2

