

Lesson Title – Measuring Flight

Grade Level – K/1

Standards –

K.ETS.2 – Use appropriate tools to make observations and answer testable scientific questions.

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1.MD.A.2 Measure the length of an object using non-standard units and express this length as a whole number of units.

- Materials –
- Legal sized card-stock
- Straight drinking straws
- Scissors
- Tape
- Paper clips and/or unifix cubes



Procedures/Instruction –

**Step 1**

Cut your piece of card-stock long-ways into strips. You'll need five strips for three planes.



**Step 2**

Next, take two of your strips and cut them in half making smaller strips.



### Step 3

Use tape and make circles out of the strips of paper.



### Step 4

Next, tape one small circle at one end of the straw and one larger circle at the other end. Be sure it's nice and secure; it could be in for a rough flight!



## Step 5

Tape a starting line on the floor. Take turns making your glider fly. Compare lengths of flight. Use nonstandard units (paperclips or unifix cubes) to measure the length of flight for each glider. Record data and determine a winner for longest flight!

