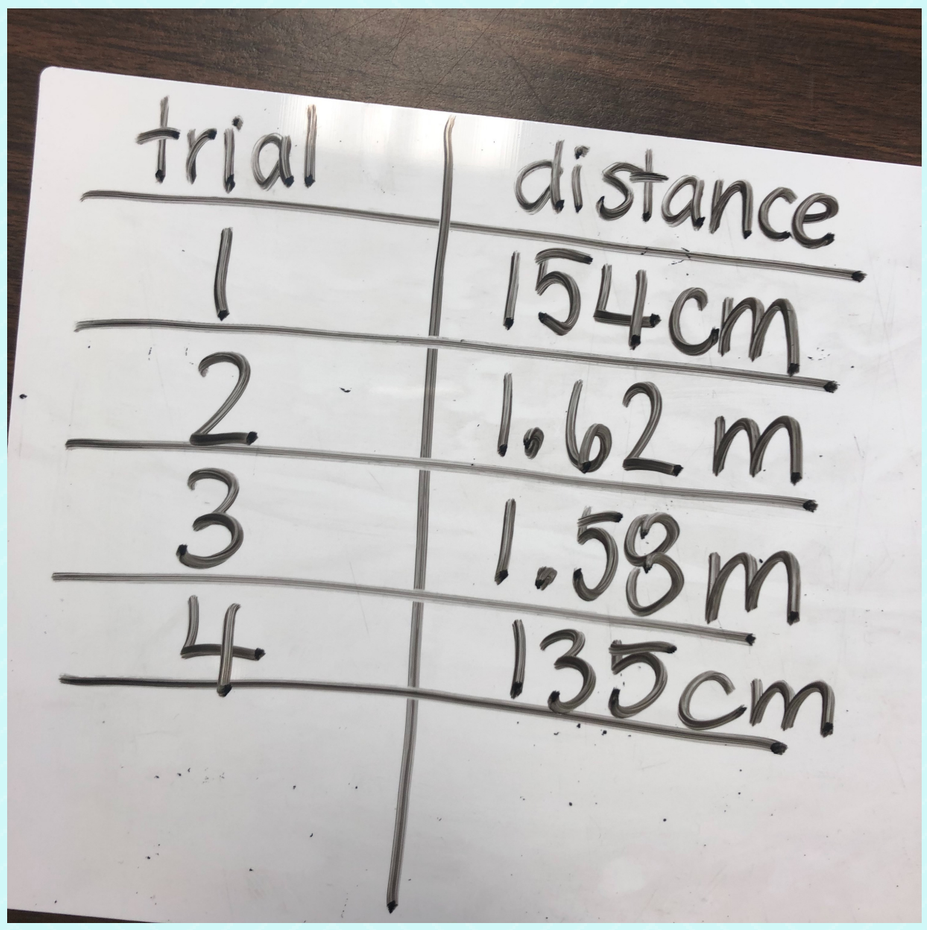
Intermediate Math & Science Project

This week we are going to be thinking about force and motion again as we do an engineering design challenge. We will do different trials and record our measurements.



Please note that this week we will be blowing through straws. As we know that the Covid-19 virus is transmitted through aerosol droplets, these science tasks should only be done at home, with people in your small bubble.

Design an straw rocket. From paper, cut out a rectangle about 10x15cm and decorate it. Roll it up along a long edge with a pencil inside and use tape to secure the seam. Slip the pencil out. Fold down one end and secure it with a small piece of tape. Slide your rocket over the straw and blow. How far can you launch your rocket? Measure the distance using a ruler or measuring tape, recording your measurements in a table. Try it again and compare your measurements. Adapt your design by adding wings or fins. Test your rocket. Do the wings change the way it flies or the distance it travels? Record your observations. What is another change you could make and test?

Use your straw to blow a light object across a table or floor. Mark a starting line and a ruler or measuring tape to measure the distance you make the object move. Repeat, record and compare your measurements.

At the end of the week, put all your project work together on one page to submit to your teacher.

RICHMOND
SCHOOL DISTRICT NO.38

Transitional Learning
jnovakowski/2020