The 2010 Great Leigh Launch

Students from our Gr. 4 and 5 classes will be able to show their skills in aviation science by building a glider or a plane. The student (group of students) who fly their glider or plane the farthest will win a bowling field trip for their entire class.

The plane/glider/launcher can only be made out of certain materials and must be in a specific size and weight range.

Materials

Students are only permitted to use the following materials in making the plane/glider/launcher.   At least five of the materials must be used.

-cardboard   -construction paper   -water based glue
-water based paint   -toothpicks   -paper clips
-empty toilet paper rolls -popsicle sticks   -ordinary rubber bands
-dried peas   -ordinary weight paper   -staples

Dimensions and Weight

The glider/plane must be:

Smaller than 50 cm long, 50 cm wide, and 25 cm high

Larger than 20 cm long, 20 cm wide, and 6 cm high

Total maximum weight is 400 grams for the glider/plane and any launching device.

The Launch

Each class will have a test run with the top three planes/gliders from each class moving on to the finals.

While on the gym stage (raised to approx 3 meters), students will launch (not throw) their glider/plane. The glider/plane must land within an approximately 7 meter wide landing area that goes the length of the gym. Each plane/glider will have two attempts. Planes/gliders that suffer extensive damage are disqualified.

Propulsion

Students will launch (not throw) their glider/plane by using a forward arm movement similar to launching a paper airplane. Additional thrust or propulsions (by using elastics) may also be used.

The person/group whose plane/glider flies the farthest and stays within the landing area wins a bowling field trip for their entire class.

Family support is certainly encouraged, but please remember this is a student activity (no moms or dads on their roof at midnight doing test launches, please).

Students entering the launch must review readings from our school website (or if necessary paper copies can be provided) and fill out the registration survey also found on our school website. If a computer is not available at home students can complete the registration in our computer lab at lunch or after school by seeing Mr. Cecchini to arrange a time.

http://www.sd43.bc.ca/elementary/leigh/Pages/default.aspx