

Paper Airplane Rules and Rubric (Updated for 2021)

Name: \_\_\_\_\_

Students will throw their plane. Each student will have a minimum of two attempts. Only the longest distance will be recorded. The distance will be measured from release point to the position where the plane touches another object. The plane which travels the farthest wins.

Materials:

Printer paper, cardboard, craft sticks, paperclips, pennies, tape, staples, glue

Rules:

1. The plane's handle must be longer than .02 meters at every point and the thickness of the handle cannot exceed 4 printer paper layers.
2. The plane must be a glider without any propulsion mechanism.
3. The plane must have wings and must be more glider than rocket.

Rubric

1. The glider is constructed with approved materials.	0	.5	1
2. The glider handle specifications are correct.	0	.5	1
3. The glider is able to glide in the air.	0	.5	1
4. The glider design indicates student effort.	0	.5	1
5. The glider is visually appealing.	0	.5	1

Write a paragraph in the space below reflecting on the success or failure of your plane. Mention at least one physics concept. Points: 0 .5 1

Bonus Points: \_\_\_\_\_

Total Points: \_\_\_\_\_