Paper Airplane Glider Rules and Rubric

An electric plane launcher will be used to propel planes.   Each team will have a minimum of two attempts to travel the farthest distance. The distance will be measured from where the plane takes off from the launcher to the position where the plane touches. 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. If these specifications are not met, the plane cannot be properly propelled by the electric launcher.
2. The plane must be a glider without any propulsion mechanism.
3. The plane must have wings and must be more glider than rocket.
4. Three people maximum per group unless otherwise approved by the instructor.

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. Effort in constructing and designing the glider.	0	.5	1
5. The glider is visually appealing.	0	.5	1

Bonus Points: _____

Total Points: _____

Group Member Names: