Design Your Own Experiment
-Paper Airplanes-

Task:
- Work with your group to create an experiment using paper airplanes.
- Use the materials in the front of the room to come up with your own idea.
- The experiment must be based on a testable question.

Materials Available:
- Different Types of Paper
- Paper Clips
- Pennies
- Rubber bands
- Tape
- Glue

Ideas:
- Does the type of paper affect how far a paper airplane will fly or how long it stays in the air?
- Does weight affect how far a paper airplane will fly or how long it stays in the air?
- Does the design affect how far a paper airplane will fly or how long it stays in the air?

Experimental Design:
1. Create a title (1 pt)
2. Write a testable problem (2 pts)
3. Create your hypothesis (2 pts)
4. Identify the variables - independent and dependent (4 pts)
5. Identify controlled variables (2 pts)
6. Write your list of materials (2 pts)
7. Set up your Data Table – how many times are you going to do the experiment? Leave a column for the average or mean. (6 pts)
8. Create a graph of your data. (6 pts)
9. Write the conclusion, describing the outcome of your experiment. (5 pts)

*Each group should create a mini-poster that includes each of the underlined sections above. This assignment is worth 30 points.