Elastic Launched Glider Design Notebook

The first step in the process of building your Elastic Launched Glider will be to read the article about gliders from ideas-inspire. That article should help you to fill in most of the definitions below. You can use the other links provided to complete the definitions.

Research:

Explain the following scientific terms and how they will relate to this event

Ailerons:

Roll:

Pitch:

Yaw:

Fuselage:

Rudder/Vertical Stab:

Elevator/Horizontal Stab:

Stab:

Lift:

Drag:

Incidence:

Design Tips:

Your next step is to investigate different types of glider designs. You can use the links provided or do your own google search.

What are three design tips that you read about in your research that you plan to use?

1.

2.

3.

What are three flight tips you read about or watched that you feel will be useful?

1.

2.

3.

Planning Sketch:

Please sketch your initial design for your elastic launched glider and label the parts (what will they be made of?). Also, record the dimensions of each part of the glider (in cm). Don't forget to include a sketch of your launcher!

Design Reasoning:

Use scientific reasoning to describe why you chose the design and materials that were sketched on the previous page. Must explain at least three different parts of the elastic launched glider.

-
-
-