Design #: \_\_\_\_\_\_\_\_\_\_

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

****

What problem do you want your design (launcher) to solve?

****

Draw your new design.
***Tip****: think of the trigger, launcher angle, amount of rubber bands, etc*.

****

Build it.

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Mark your targets’ distance on the graph with a vertical **line.**Recordthe **distance** of at least three launches for each design or **angle** you test on the graph below.

Test it.



**Angle of Launcher***(Degrees)*

**Distance of Launch**

****

How **precise** (consistent) were your results? Does your data look
*grouped together* in one area , or does it look *scattered* ?

 0

Evaluate it.

**►**

How **accurate** (close to the ‘true’ value) were your results?
How close is your data to the line indicating the targets’ distance?

 0

**►**

****

How can your design be improved?
This will become your next problem to solve.

Get another engineering notebook page.
Solve the new problem.

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