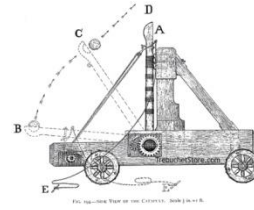
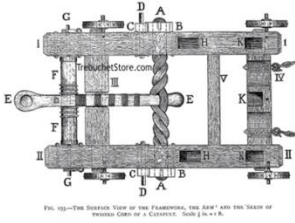


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Engineering Design Challenge Packet



[http://www.redstoneprojects.com/trebuchetstore/catapult\\_2.jpg](http://www.redstoneprojects.com/trebuchetstore/catapult_2.jpg)

### Client Statement

Create a “slinger” to be used in an indoor game. The slinger should be made entirely out of the materials provided. The slinger should launch a Ping-Pong ball approximately 20 f into a goal. The slinger should be able to be aimed by the players and be safe for use.

**Problem Statement:** \_\_\_\_\_

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**Function:** \_\_\_\_\_

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**Objective:** \_\_\_\_\_

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**Constraints:** \_\_\_\_\_

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**Design Solution (sketch your proposed solution):**



**Prototype:** \_\_\_\_\_

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**Test Results**

Trial	Way Off Target	Off Target	Close	Very Close	Edge of Net	Score
Example		X				
1						
2						
3						
4						
5						
6						
7						

Create a dot plot of your results from the table. What do you notice about your graph?

Evaluation of Results \_\_\_\_\_

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