

## Tech II – Trebuchets

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RESEARCH – DESIGN – BUILD-TEST

### Research

- <http://thehurl.wikidot.com/introduction>
- <http://www.io.com/~beckerdo/other/trebuchet.html>
- <http://www.stormthecastle.com/trebuchet/how-to-build-a-trebuchet.htm>

If you have any more sites that you come across, please let me know so we can add to the list

Assessment: Sources \_\_\_\_\_/10

### Design

Use Solidworks to design your trebuchet to scale

Assessment: Solidworks Design \_\_\_\_\_/30  
Dimensions \_\_\_\_\_/10

Max length of base: 24"

Max height from bottom to pivot: 24"

### Build

Create a Parts List in detail using only parts that can be purchased from Home Depot

Assessment: Parts list \_\_\_\_\_/20

Build your Trebuchet

Assessment: Quality Build \_\_\_\_\_/20 (straight angles, neat looking)  
Creativity \_\_\_\_\_/10 (original design)

### Test

Competition Grading

Assessment: Distance \_\_\_\_\_/100  
Accuracy \_\_\_\_\_/100