

# Trebuchet Project

Your name: \_\_\_\_\_

Partner's Name: \_\_\_\_\_

Answer the following questions as completely as you can. EACH STUDENT must complete one of these reports. I would prefer that they be shared with me electronically (e.g. Google Drive)

1. Place a side photo of your trebuchet HERE. Refer to it as necessary as you answer the questions below.
2. Why do you think your design worked so well (poorly)? Be specific.
3. How long was the longest throw in your class? How was that trebuchet's design different than yours? Were those differences important? Why or why not?
4. Did you maximize the performance of your trebuchet? In other words, did you test every possible variable to get your machine to perform its best? Name **THREE** variables about your machine and describe in detail how you manipulated these variables to achieve the best performance. (referring back to the testing notes you should have taken would help answer this question).
5. If we were to take your March Vacation to redesign and rebuild your trebuchet again, how would you change your design? Why? Why didn't you do this in the first place?
6. If you were teaching this class, how would you change the assignment?  
(The following comments are unacceptable:
  - "I would not change anything". Think of something.
  - "we needed more time". No you didn't; you needed better organization. Four days of building was more than enough.
  - "I didn't like using duct tape". No whining.)
7. Who was William Wallace and how is he connected to the Trebuchet project?