

TEAM NAME: _____

Names: _____

Student Peer and Self Evaluation

/100	/100 <u>Construction & Operation:</u>
/10	/10 Parameters (Axle height is 12" or can be less)
/10	/10 Engineering Principles (choice of shapes, distances, and design for strength, efficiency, and 'keep it simple')
/10	/10 Dowel Joints (Quality and strength)
/10	/10 Mitre and Butt Joints (Quality and strength)
/10	/10 Cutting Quality & Accuracy (square or angle accuracy, similar pieces equal length and angle)
/10	/10 Assembly Accuracy (parallel, square, symmetrical, no added last minute pieces)
/10	/10 Finish (parts are clean and deburred, sanded if needed)
/10	/10 Overall Design Aesthetics (look, style, symmetry)
/10	/10 Sling Design (engineering principles, creativity of design, adjustability, etc)
/10	/10 Counterweight Design (engineering principles, creativity of design, adjustability, etc)

Teacher Evaluation

/100 Construction & Operation:

/10 Parameters (Axle height is 12" or can be less)

/10 Engineering Principles (choice of shapes, distances, and design for strength, efficiency)

/10 Dowel Joints (Quality and strength)

/10 Mitre and Butt Joints (Quality and strength)

/10 Cutting Quality & Accuracy (square or angle accuracy, similar pieces equal length and angle)

/10 Assembly Accuracy (parallel, square, symmetrical, no added last minute pieces)

/10 Finish (parts are clean and deburred, sanded if needed)

/10 Overall Design Aesthetics (look, style, symmetry)

/10 Sling Design (engineering principles, creativity of design, adjustability, etc)

/10 Counterweight Design (engineering principles, creativity of design, adjustability, etc)

Tested and Marked Next Class during Castle Wars

/75 Performance: (*Farthest throw x factor of 2)

/*25ft. – How far did your trebuchet launch with its farthest throw.

/25ft. – Consistency – 2nd farthest throw.

/25 – Accuracy – Did you hit the castle door?

Total Mark: **/175**