CATAPULT CONSTRUCTION

![C:\Users\brian.johns\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\GJOBG13U\MC900090122[1].wmf]()

NAMES: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| --- | --- | --- | --- | --- | --- |
| GRADE | SKETCHES | WORKING DRAWINGS | CONSTRUCTION | DISTANCE | CASTLE ATTACK |
| A+ 20 points | At least 3 designs are sketched with dimensions and materials listed and drawings are good. | Complete, full-size working drawings with dimensions. | Excellent construction; neat, clean, straight, and strong. Screws or nails are used correctly and efficiently. | This catapult made a golf ball go further than all other catapults in the class. | 5 points for each wall hit.10 points for hitting a specific target (flag, turret, etc.).20 points max. |
| 1. A- 18 points
 | At least 3 designs are sketched but not all dimension or materials are listed or quality is fair.  | Plans are not complete enough for someone else to use but dimensions are listed. | Good construction quality but not as neat, clean, straight, or strong as possible. | This catapult made a golf ball go at least 50 yards. |  |
| B 17 points | 2 ideas are sketched with good or fair quality. | Plans are not full size or some dimensions are missing. | Not straight or very neat, but it should work! | This catapult made a golf ball go 30-49 yards. |  |
| C 15 points | 2 ideas are sketched but quality is poor. | Plans are incomplete or poor quality. | Average quality; wobbly and unpredictable. | This catapult made a golf ball go 10-29 yards |  |
| D 13 points | Only 1 idea sketched. | Plans are missing or not usable. | Poor quality. This machine will probably not work. | This catapult was unable to make golf go at least 10 yards. |  |