STORM THE CASTLE B
Team Checklist – 2022

Team Number: B School & Team Name: ____________________________
Student Names: ____________________________________________

Check In

1. T F 7.i. Team operates safely and has a device that within spec before the end of the allotted competition period. (If F, LS = 0)

Construction Parameters:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>F</td>
<td></td>
</tr>
</tbody>
</table>

2. T F (Devices that do not meet construction specs will not be allowed to be tested until brought into specification. If any construction violations are corrected during the competition block, leave this as F and the team’s LS is multiplied by 0.7)

DEVICE MEETS ALL CONSTRUCTION PARAMETERS ABOVE DURING INSPECTION

<table>
<thead>
<tr>
<th>Counterweight</th>
<th>Light</th>
<th>Heavy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Launch 1</td>
<td>Launch 2</td>
<td>Launch 1</td>
</tr>
<tr>
<td>5.b. Team places their device at a location they select in the launch area and the competitors are not within 75 cm of the launch area or in front of the front edge of the launch area during a launch. The competitors only touch the part of the triggering device that extends at least 75 cm outside of the launch area.</td>
<td>T</td>
<td>F</td>
</tr>
<tr>
<td>5.d. No part of the launch device extends outside of the launch area before or after a shot. Any part of the launching device extending beyond the launch area during the launching action returns to and remains in the launch area immediately after the launch without assistance of the competitors.</td>
<td>T</td>
<td>F</td>
</tr>
</tbody>
</table>

DEVICE MEETS ALL COMPETITION RULES FOR THIS LAUNCH (If F, the team’s AS is multiplied by 0.9)


7.c. Target Distance – distance, in cm, from the center of the front of the launch area to the target center


7.d. Accuracy Score – straight line distance, in cm, from the projectile initial impact location to the target. If the projectile hits the target on initial impact, put 0

5. ______ 10. ______ 15. ______ 20. ______

7.e. Bonus: Projectile hitting the target at first impact


7.e. Bonus: Projectile makes contact with the inside bottom surface


Chart Score

23. ______ 7.d.i. Of one graphs.tables selected by the Event Sup, it includes data spanning at least 5 meter distance (up to 2 points)

24. ______ 7.d.ii. Of one graphs.tables selected by the Event Sup, it includes at least 10 data points in each data series (up to 2 points)

25. ______ 7.d.iii. Of one graphs.tables selected by the Event Sup, it is properly labeled (e.g. title, team name, units) (up to 2 points)

26. ______ 7.d.iv. Points for each distinct graph/table turned in (0.5 points for each, up to 2 points total)

27. ______ 7.d.v. Includes a labeled device diagram (up to 2 points)

28. T F General Rule: The team is disqualified. (Notify the team and their coach as soon as possible.)