Science Olympiad 2019-2020 Season
Storm the Castle Checklist / Data Sheet
Version 1.0

Event and Construction Requirements

1. Competitors construct only 1 device
2.b. Items moveable by competitors
2.b. Device and log impounded
2.d. Competitors wear eye protection during testing
2.e. Competitors must be able to answer questions about the device per the Building Policy
3.a. Device fits in 65.0 x 65.0 x 65.0cm box
3.b. Triggering device doesn’t add energy
3.b. Triggering device at least 75cm away
3.c. Device accommodates weights and projectiles
3.d. Launch force only due to falling weights
3.e. Device won’t damage floor
3.f. Device has no electrical components
4.c. Design log pages affixed together

Team Information

Team #: _______
Team Name: __________________________________________
Competitor Names: ______________________________________

Light Counterweight Launch 1

Target Distance (cm) _______
Accuracy Score (cm) _______
Hit target at first impact Y N
Contact with inside bottom Y N
Failed launch Y N

Light Counterweight Launch 2

Target Distance (cm) _______
Accuracy Score (cm) _______
Hit target at first impact Y N
Contact with inside bottom Y N
Failed launch Y N

Heavy Counterweight Launch 1

Target Distance (cm) _______
Accuracy Score (cm) _______
Hit target at first impact Y N
Contact with inside bottom Y N
Failed launch Y N

Heavy Counterweight Launch 2

Target Distance (cm) _______
Accuracy Score (cm) _______
Hit target at first impact Y N
Contact with inside bottom Y N
Failed launch Y N

Penalties

Competition violations(s) Y N
Team didn’t bring a device Y N
DQed for unsafe operation Y N
Construction violations corrected Y N
Missed impound Y N

Team Verification

5.k. I verify the event supervisor has reviewed with me my team’s recorded device testing data.
Signature __________________________