

Science Olympiad 2011-2012 Season Storm the Castle Checklist / Data Sheet

- 2.a. Competitors may submit up to 5 plots
- 2.b. Competitors may submit 1 calculation page
- 2.c. Competitors must impound: device, parts, supplies
- 2.c. Eye protection does not need to be impounded.
- 2.e. Competitors must wear eye protection during set up testing and launching.
- 3. Device fits in 65.0 cm cube, square to floor/launch area in ready to fire position
- 3.a. Triggering device extends out of launch area, is not radio controlled or dangerous
- 3.b. Device can accommodate projectiles/counterweights
- 3.e. Device does not contribute energy to the launch
- 4. Competitors don't receive outside assistance while competing
- 4.a. Device is not anchored to the ground
- 4.b. AC powered equipment not used to setup / operate device
- 4.c. No part of device / counterweight extends outside launch area before or after launch is complete
- 4.d.i. Team announces Target Distance before launches
- 4.f. Team does not touch device and is outside launch area and behind the front line during a launch
- 4.g. Team gives ample warning prior to a launch
- 4.k. Only the tools, parts and supplies impounded are used

Team #: _____

Team Name: _____

Competitor Names: _____

Plot Data

# plots submitted (5 max)	_____
Calc page submitted (1 max)	_____
Labeled with names (2 pts max)	_____
Title and axis labels (2 pts max)	_____
Units / axis increments (2 pts max)	_____

Penalties

# Penalties issued	_____
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Launch 1

Target Distance (nearest 0.5 m)	_____
Accuracy (nearest 0.01 m)	_____
Hits target	_____
Lands in target	_____
Hits side wall /ceiling	_____
Device leaves launch area	_____

Launch 2

Target Distance (nearest 0.5 m)	_____
Accuracy (nearest 0.01 m)	_____
Hits target	_____
Lands in target	_____
Hits side wall /ceiling	_____
Device leaves launch area	_____

Launch 3

Target Distance (nearest 0.5 m)	_____
Accuracy (nearest 0.01 m)	_____
Hits target	_____
Lands in target	_____
Hits side wall /ceiling	_____
Device leaves launch area	_____

Launch 4

Target Distance (nearest 0.5 m)	_____
Accuracy (nearest 0.01 m)	_____
Hits target	_____
Lands in target	_____
Hits side wall /ceiling	_____
Device leaves launch area	_____