



# STEM University: SIUC Boy Scout College

## SHOOT! Exploring How Science Affects Your Daily Life

Scout Name: \_\_\_\_\_

Unit/Troop: \_\_\_\_\_

### Prerequisites and Merit Badge Requirements Check List

- Watched 3 hours of science related shows or documentaries about projectiles, aviation, space technology, weather or astronomy
- Read 3 Hours about projectiles, aviation, space technology, weather or astronomy
- Combination of the above

List names of science related shows, documentaries or articles read to meet this pre requisite:

_____	_____
_____	_____
_____	_____
_____	_____

- Make a list of at least 5 questions on show(s) watched OR 2 questions on each article read.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- Merit badge requirement (present copy of merit badge card and circle merit badge used to complete this requirement)

Archery	Aviation	Shotgun shooting
Robotics	Rifle shooting	Space exploration
Athletics	Astronomy	Weather



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### Catapult Activity

Launch (1) marshmallow(4) feet

Record distance for marshmallow launch: \_\_\_\_\_

Launch and record at (3) angles

Angle: \_\_\_\_\_ Record distance for marshmallow launch: \_\_\_\_\_

Angle: \_\_\_\_\_ Record distance for marshmallow launch: \_\_\_\_\_

Angle: \_\_\_\_\_ Record distance for marshmallow launch: \_\_\_\_\_

Launch and record best distance: \_\_\_\_\_