

# Science Olympiad 2020-2021 Season Solar Power Checklist / Data Sheet

Version 1.0

## Event and Construction Requirements

- 1. Competitors construct only 1 device
- 2.a. Reference materials secured in 3 ring binder
- 2.b. Competitors bring up to 2 calculators, unaltered beaker, and charts
- 2.d. Competitors must be able to answer questions about the device per the Building Policy
- 3.b. Device fits in 35.0 x 35.0 x 35.0 cm box
- 3.c. Beaker can be inserted/removed from device
- 3.d. Device accommodates thermometer/probe
- 3.d No part of device contacts water in beaker
- 3.e. Device has no energy sources
- 3.f. Device not significantly different from room temp

## Team Information

Team #: \_\_\_\_\_

Team Name:

\_\_\_\_\_

Competitor Names:

\_\_\_\_\_

\_\_\_\_\_

## Graphs / Tables

Data spans mass range (2 pts max) \_\_\_\_\_

At least 10 data points (2 pts max) \_\_\_\_\_

Proper labeling (e.g. title, name) (2 pts max) \_\_\_\_\_

Number of graphs/tables (4 max) \_\_\_\_\_

Labeled device picture/diagram (2 pts max) \_\_\_\_\_

## Temperatures (in degrees Celsius)

Room temperature \_\_\_\_\_

Starting water temperature \_\_\_\_\_

Final water temperature \_\_\_\_\_

Predicted temperature \_\_\_\_\_

## Part I: Written Test

Exam Score \_\_\_\_\_

## 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

4.g. I verify the event supervisor has reviewed with me my team's recorded device testing data.

Signature \_\_\_\_\_