Solar Science Station: Does Cleanliness Count? Day 3

Students design an experiment to investigate the effect of cleanliness on solar panel output and use assembled Solar Device to test.

Written By: Andy Wallus

INTRODUCTION

Students design an experiment to investigate the effect of cleanliness on solar panel output and use assembled Solar Device to test.

TOOLS:

- Printable Vocabulary Sheet (1)
  1 per student
- Printable Student Data Sheet (1)
  1 per student
- Starter list of possible coatings (teacher resource) (1)
- 1 sheet of newspaper per solar device (1)
- small paintbrushes and chunks of sponge (1)
- paper towels for cleanup (1)
- writing utensils (1)

PARTS:

- Solar Science Station Kit (1)
  **as many as your class has assembled*

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After today, your students will have contextualized use of the scientific method within use of newly built solar charging devices. They will have gathered and analyzed data relative to the effects of different coatings on solar panel output to arrive at new understandings of their devices' performance characteristics.

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