

AFTER SCHOOL CLUB



AGES 6-12
@ 5:00 PM

MAKE IT! - JACK-O-LANTERN JARS

INTRODUCTION



It's time to get spooky at Do Space! This month we will be using basic circuitry to light jars full of glow-in-the-dark goo. Decorate the outside as a witch's cauldron, skeleton head, or anything you'd like.

Subjects:

- Light
- Circuitry

Standards:

- 1-PS4-2
- 4-PS3-2

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Maker

Capacities:

- Explore Inner Workings
- Use Categories

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Key Terms

- Luminescence
- Positive terminal
- Negative terminal

WHAT WE'LL BE USING:

- UV Reactive Paint
- Water
- Blacklight LED
- Wires
- Coin Batteries
- Hot Glue

How can paint glow in the dark?

Usually things that glow do so because they are very hot. However, this isn't true for glow-in-the-dark paint. Scientist mix special chemicals called "phosphors" into the paint. These phosphors act like a battery by storing light. They can be charged either by natural light or "ultra-violet" light, which holds a LOT of energy. When it becomes dark, the phosphors release this energy as luminescence until they become charged again!