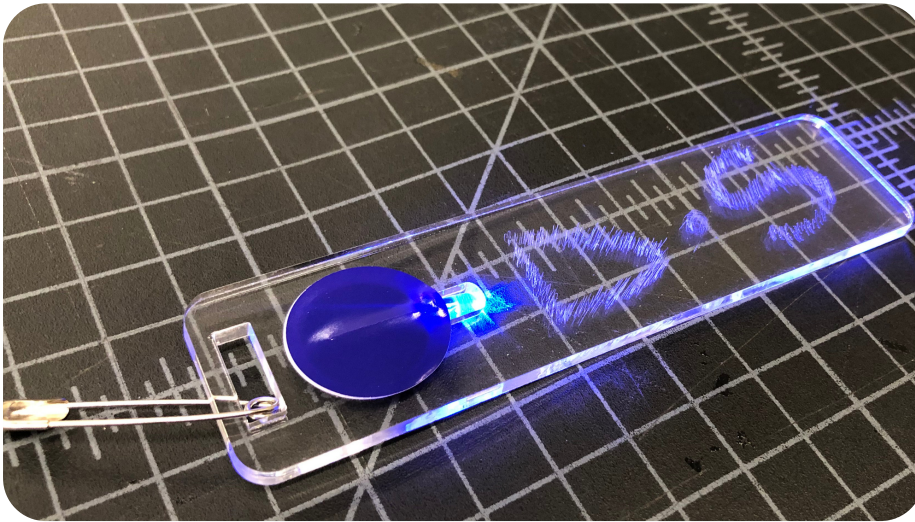# Do Space Summer 2021

TAKE AND MAKE: LED NAME BADGE

INTRODUCTION

For this activity, we will be exploring a fun way to make a name badge that lights up. It's even more exciting in the dark.

WHAT YOU'LL NEED:

Here's what you'll find in the kit:

- 1 Lithium Battery
- 1 Safety Pin
- 1 LED
- Blank Acrylic Name Tag
- 2 Dot Stickers

You'll also need:

- Dry Erase Marker

STEPS:

- Draw your name or design
- Use the safety pin to scratch away the dry erase pattern (Erase the remaining dry erase marks)
- Peel off the paper backing from the outside corner
- Connect the LED and the battery
- Insert the LED and battery into the Name Tag
- Secure the battery in the front and back with the dot stickers
- Pin on your shirt or backpack and enjoy!

Subjects:

- Light Emitting diodes (LED)
- Electronics
- Art

Standards:

- PS3.D
- ETS1.A
- ETS1.C

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Maker Capacities:

- Tinker to Explore
- Finding Opportunities

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Key Terms

- Circuit
- LED
- Conductive