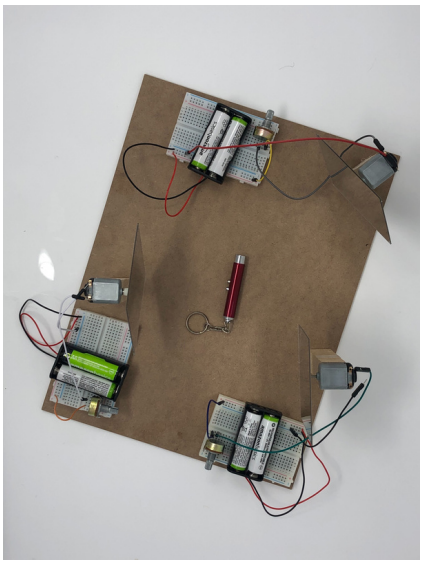
AFTER SCHOOL CLUB

space

AGES 6-12
@ 5:00PM

MAKE IT! - LASER LABYRINTHS



INTRODUCTION

Calling all secret agents! This month we will be testing your intelligence with an impossible mission: guide your laser out of a shoebox with only your wits and mirrors. After crafting your solution, test out your classmates boxes to see who will be the top spy.

WHAT WE'LL BE USING:

- Laser Pointers
- Mirrors
- Shoeboxes

How does a mirror work?

No, a mirror doesn't create a clone of yourself that copies your every move. A mirror can be any smooth surface that reflects nearly all of the light that hits it. Still bodies of water or the clean contours of a car can all have this mirror property. The ones hanging in your bathroom or on your dresser are called plane mirrors, pieces of glass covered in a thin layer of metal like aluminum or silver. It gives you a fairly accurate image of yourself, only in reverse!

Subjects:

- Light
- Properties of Matter

Standards:

- 1-PS4-3
- 4-PS4-2

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Maker Capacities:

- Juxtapose
- Prototype and Test

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Key Terms

- Photons
- Reflection