STEM for the Youngest



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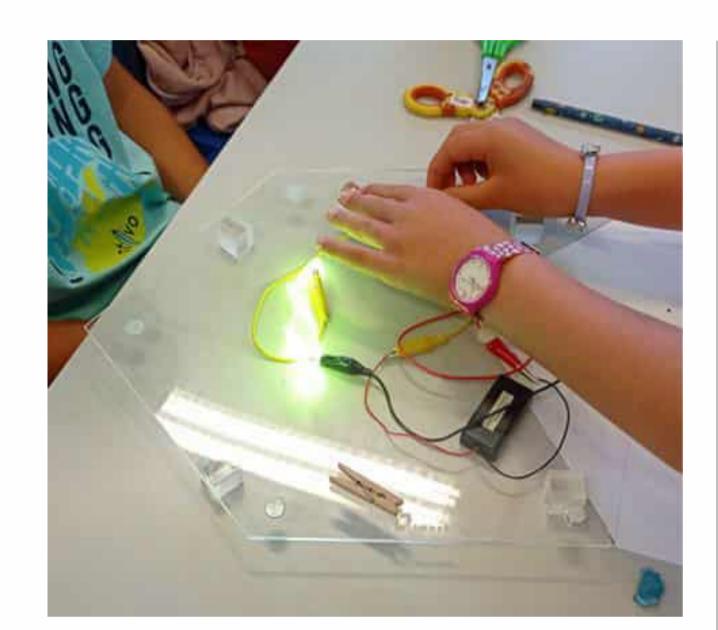
Light Up House

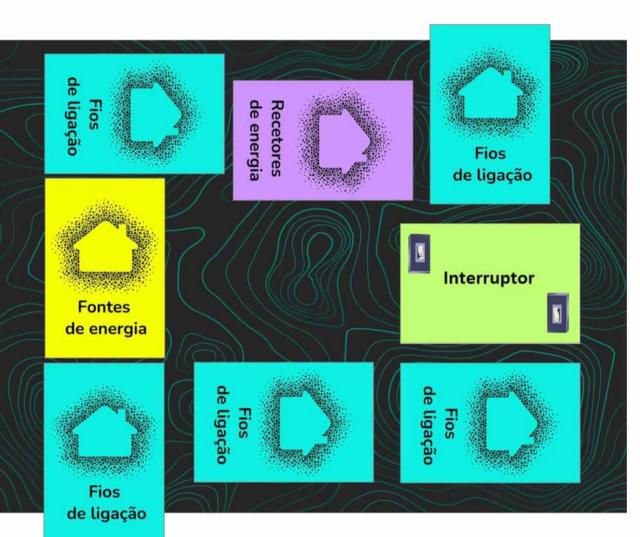
The secrets of an electrical switch

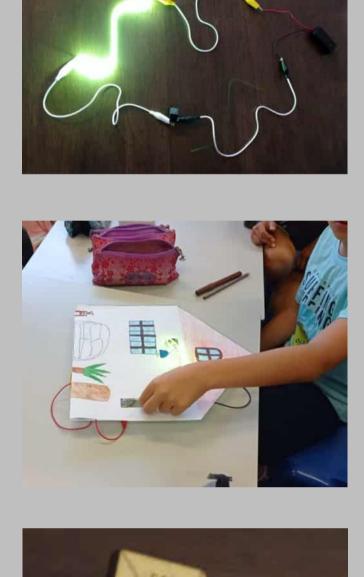


In this project, students tackle the challenge of **designing a light switch** using **conductors or insulators** to control a silicone LED strip, lighting up a small acrylic house.

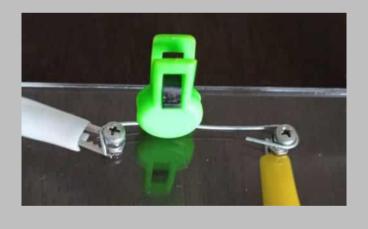
To accomplish this, the students create a simple electrical circuit on the back of the model house, learning about circuit components and connections through a board game called 'Lit or Unlit House'.













Building an electrical circuit



Studying the conductivity of materials



Designing a light switch

Resources:

A board game
"Lit or Unlit House"
and circuit elements



A model house, a circuit and everyday materials for testing

Resources:

Everyday materials required to build the light switch

This activity immerses students in a STEAM learning scenario exploring the conductivity of materials, while engaging them as scientists to uncover the secrets of a light switch.