



ENERGY QUEST: ELECTRICITY & ELECTROMAGNETS

5th Grade

DESCRIPTION

Highlight your fifth grade study of electrical energy with this electrifying program. This program introduces students to the "hair-raising" topic of static electricity, gives them the basics for designing their own circuit boards and allows them to explore electricity and magnetism in the garage exhibit in the Collins Family My Big Backyard gallery. Program will run for two hours.

30 MINUTES – INTRO IN THEATER - ALL STUDENTS

- Introduce static and current electricity
- Demo using electrostatic generator (static)
- Demo using energy balls (current)

30 MINUTES - LAB

- Explore current electricity using the circuit boards

30 MINUTES - GALLERY TIME

- Introduce the Collins Family My Big Backyard focusing on electricity activities
- Give time to explore the gallery

30 MINUTES - STORE AND TREE ACTIVITY

- Do electricity review using circuit quiz boards
- Discuss permanent and "temporary" magnets and demonstrate an electromagnet

TAKE HOME ITEMS

- Fingerlights