



Electricity & Magnetism

90-minute Program * Best suited for grade 4
Science Standards: 4.P.1, 4.P.2, 4.P.3

Schools in New Hanover County: \$4 per student
Schools outside New Hanover County: \$7 per student

EXPERIMENT WITH CIRCUITS, MAGNETS, AND ENERGY!

Discover what the “buzz” is all about! Students will conduct exciting experiments, participate in hands-on demonstrations, and utilize teamwork in group activities to explore the science of electricity and magnetism.

PROGRAM ACTIVITIES INCLUDE:

MAGNET-MANIA

Discover what sticks to a magnet and why, analyze “magnetic strength,” and encounter the “magnetic rule” of attracting and repelling forces.

STATIC “MAGIC”

See science in action as objects levitate and slide across tables. Find out how different materials respond to static electrical charges.

CREATE A CIRCUIT

Construct a circuit to power a light bulb. Learn to distinguish conductors from insulators and witness the effects of electricity flowing through a wire.

CIRCUIT ROLE-PLAY

Investigate how current electricity travels through a circuit while role-playing various circuit components.

BUILD A SWITCH

Experiment with switches to discover how they control the flow of electricity in a circuit.

ENERGY BALL EXPERIMENT

Can the human body conduct electricity? Find out in this exciting culminating activity which showcases the importance of electrical safety awareness!

Call 910.798.4362 or email cfmprograms@nhcgov.com to schedule your field trip!



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