



STEM AFTERSCHOOL ACADEMY

presents

Electronics Laboratory (In-School Fieldtrip) for 3rd Grade

Introduction to Motors, Force and Motion

Students will

- Learn about electronics and electric circuit concepts
- Learn the description of motors and how they work
- Observe the effect of various forces (gravitational, electrical, mechanical, etc)
- Work in teams to build devices with motors and experiment with various motor speeds.



Alignment with MCPS Curriculum 2.0 for 3rd Grade

- Science Technology and Engineering:
 - Physical Sciences: Position and motion of objects, changes of motion, gravitational force, comparison of speed and distance of moving objects.
- Analysis
 - Identify the relationship between components of a circuit
- Collaboration
 - Work in teams on a circuit building challenge

Cost: \$10/student

Contact:

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