



STEM AFTERSCHOOL ACADEMY

*presents*

## Electronics Laboratory (In-School Fieldtrip) for 5<sup>th</sup> Grade

### Introduction to Radios

#### Students will

- Learn about radios and how they work
- Investigate static electricity, electrical energy, electromagnetism and how they function in the AM radios
- Build a working AM radios.
- Investigate the difference between AM and FM radios.
- Work in teams to build working FM radios.



#### Alignment with MCPS Curriculum 2.0 for 5<sup>th</sup> Grade

- Science Technology and Engineering:
  - Physical Sciences: electrical energy, magnetic forces, electromagnetism, waves.
  - Engineering and Technology: History and Impact of technology
- Collaboration
  - Work in teams to build a radio – sharing responsibility and assigning tasks.

**Cost: \$10/student**

**Contact:**

[stemafterschool@gmail.com](mailto:stemafterschool@gmail.com) | 202-460-4250 | [stemafterschoolacademy.com](http://stemafterschoolacademy.com)