



*presents*

## **Electronics Laboratory (in-school fieldtrip)** *for* **4<sup>th</sup> Grade**

### **Introduction to Electronic Detectors (Lie, Water, Motion, Light)**

#### **Students will**

- Learn about electronic detectors and how they work
- Build various detection circuits (Lie, water, motion, light)
- Learn how detection technology is used in the real world
- Work in teams to design and build their own detection device.



#### **Alignment with County Curriculum for 4<sup>th</sup> Grade**

- Science Technology and Engineering:
  - Engineering and Technology: Impact and use of technology; Application of the engineering design process.
- Synthesis
  - Integrate ideas and information to invent a device
- Collaboration
  - Work in teams on a device building challenge

**Cost: \$10/student**

**Contact:**

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