



# **STEM in Action**

## **Coding Mouse**

### **Exploration**

Students explore the basic needs of animals as they design a code for a programmable mouse to demonstrate their knowledge of everything a mouse needs to survive. Following code, writing code, and debugging code, students prepare for essential skills of the 21st century. Students work through the Engineering Design Process - to learn the value of rethinking and support multiple solutions. STEM in Action® modules are the easy-to-implement PreK-5 solution for integrating science, math, literacy, and engineering skills into real-world problems. These modules focus on the Engineering Design Practice which is a critical component of NGSS, state standards, and national initiatives. The cost for this trunk is \$25 for a week based on availability. All supplies needed for the lessons are provided in the trunk.