PETROLEUM MUSEUM
MIDLAND, TEXAS

STEM in Action Helping Hand Design

Students learn about animal adaptations and then use their findings to plan, build, and test an assistive technology for people who cannot bend over to pick up objects. By using critical thinking, communication, and collaboration to create an assistive device for grabbing, gripping, and picking up objects, students prepare for essential skills of the 21st century. Students work through the Engineering Design Process—to learn the value of rethinking and supporting 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.