PETROLEUM MUSEUM
MIDLAND, TEXAS

STEM in Action

Muddy Mats Exploration

Students explore the properties of materials while designing an absorbent, no-slip mat to protect the house from muddy paws. By using critical thinking, communication, and collaboration to design a no-slip mat, 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.