

Farmer Grady's Challenge

STEM Kit Number 32

Grade 3-5

Subject Earth Science

Description Students explore weather-related hazards and materials that can withstand severe weather. By using critical thinking, communication, and collaboration to design a system to protect farm crops, 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.

Kit Contains

Student Activity Books (6)
Teacher Guide with blackline masters
Testing basket
Miniature trees
Styrofoam trays
Modeling clay
Index cards
Salt packets
Craft sticks
Plastic straws
Pipe cleaners
Agricultural hail guard
Netting/tulle (3 sizes)
Measuring cup
Gravel
Plastic cups, rubber bands, masking tape, and binder clips
Rulers
Measuring tablespoons
Magnets, rectangle and circle
Helpful how-to video

