Inside the Outdoors and Engineering is Elementary

Engineering is Elementary is a supplemental curriculum that can help extend your students learning before or after their Traveling Scientist Programs with Inside the Outdoors. This list is a guide of possible lessons that can help support your students learning.

Creature Feature (Preschool)
- A Slick Solution: Cleaning an Oil Spill
- Thinking Inside the Box: Designing Plant Packages
- Just Passing Through: Designing Model Membranes

Me in My World (Kindergarten)
- Thinking Inside the Box: Designing Plant Packages
- Just Passing Through: Designing Model Membranes

Catch the Rays (1st Grade)
- Light
- Lighten Up: Designing Lighting Systems

Scales or Slime (1st Grade)
- Just Passing Through: Designing Model Membranes
- The Best of Bugs: Designing Hand Pollinators

Feather Fun (2nd Grade)
- Animal Adventures
- Plant & Animal Superpowers

MAD Plants (3rd Grade)
- Thinking Inside the Box: Designing Plant Packages
- Insects
- A Slick Solution: Cleaning an Oil Spill
- The Best of Bugs: Designing Hand Pollinators

Eight Legs or Six (3rd Grade)
- Insects

Magnets are Magnificent (3rd Grade)
- The Attraction is Obvious: Designing Maglev Systems

Rethink Resources (Various Grades)
- Catching the Wind: Designing Windmills
- Now You're Cooking: Designing Solar Ovens
- Water, Water Everywhere: Designing Water Filters
- A Slick Solution: Cleaning an Oil Spill

Body of Knowledge (4th Grade)
- No Bones About It: Designing Knee Braces
- Just Passing Through: Designing Model Membranes

Rockin' Geology (4th Grade)
- Catching the Wind: Designing Windmills
- Now You're Cooking: Designing Solar Ovens

Drip Drop (5th Grade)
- Watery Planet

What's for Lunch (5th Grade)
- Web of Life

What's the Matter (5th Grade)
- A Work in Process: Improving a Play Dough Process