

Preschool/Kindergarten/Grade 1

Body and Senses
Dinosaurs
Health and Nutrition
Insects and Spiders
Oceans
Trees
Weather
Growing Alligators
Chromatography
Lego Building Blocks

Kindergarten/Grade 1

Wood
Magnets
Physical Science-APS

Grades 1 and 2

Balance and Motion
Changes – Solids, Liquids and Gases
States of Matter - APS
Harry Potter – Solids, Liquids and Gases
Physics of Movement - APS
Energy - APS
Kaleidoscopes

Grades 3 and 4

Physics of Sound
Solar System
Earth Movements
Scientific Thinking - APS
Investigating Matter - APS
Magnetism and Electricity
Magnetism and Electricity Measurement Kit – balances
Space Our Planet

Grades 4 and 5

Chemical Tests
Mysterious Powder
Rock Detective
Rocks and Minerals
Due to Weather
Changes of State-APS
Forces and Motion – APS

Engineering Toys - APS

Grades 5 and up

- K'nex Simple Machines
- K'nex Forces Energy and Motion
- K'nex Bridges
- K'nex Solar
- Lego Mindstorm Robotics
- Newton's Toy Box (Physics)
- Chemical Interactions
- Simple Machines – APS
- Molecules and Atoms - APS
- Building Blocks of Matter - APS
- Energy and Motion – APS
- Water – Issues, Evidence and You
- Explore Engineering – presentation and activity

Math

- Family Math Night for Young Children (preK-1)
- Family Math Night
- What Does a Million Look Like?

Miscellaneous Activities

- Water Rockets
- Model Rockets
- Soda Bottle Rockets
- Totally Iron
- Canned Constellations
- Friction
- Cartesian Divers
- Plastic Pipe Fittings
- K'nex Solar Kits
- Circuit Sets
- Magnetism and Electricity Miscellaneous
- Simple Machines Miscellaneous
- Atomic Model
- ZOOM into Engineering/Lots of Engineering handouts, presentations, and activities
- Glogerm

Equipment

- Solar Oven
- Oscilloscope/Microphone
- Geiger Counters
- Microscopes/Slides
- Van de Graff Generator
- Metal Ramp
- Magnifying Tripod
- Vacuum Pump (small)
- GPS Unit

Demos

- Living Image – optical illusions

Lasers
Air Pressure
Bernoulli's Principle
Fuel Cells
Hot Air Balloons
Color/Light
Density
Human Gyroscope
Pendulum
Coke Floats

Supplies

Safety Glasses
Yard sticks
Dice
Marbles
Plastic graduated cylinders
500 ml glass beaker
Spring scales
Glass soda bottles
Thermometers
Pipettes
Fresnel Lenses
Magnifying Glasses
Litmus Paper
Cotton balls
Black construction paper
Buckets
Blow dryer
Batteries (AAA, AA & D)
Golden Rod Paper

Magnets 1" square
Rubber stoppers sz 4
Sodium Polycrylate
Magic Sand
Tornado Tubes
Slinky
Nails
Washers
Hand Mirrors
Steel Balls
Paint stirrers
Fishing line
Plastic gloves
Straws
Pitchers
Felt
Polypropylene cups 4 oz
Petri dishes – large and small
Fruit powered clock