

## K-3 LEVEL PROJECTS

### Observations

- Fingerprints
- Shadows
- Crystals
- Properties of solids, liquids and gases
- Objects that block and pass light
- Gravity
- Shapes of magnetic fields
- Parts of a flame (candle observation)
- Rocks and minerals
- The moon
- Planets you can see
- Our sun
- Spring constellations
- Local weather
- How to read a weather map
- Clouds
- All about horses (or dogs, frogs, fish, birds, etc.)
- A beach home
- Local wildlife
- How animals hide and defend
- Animals tracks
- Raising furches (or rabbits, gerbils, etc.)
- Fish prints
- What makes a bird a bird
- The crayfish
- All about crickets (or bees, beetles, ants, etc.)
- Earthworms
- Spider webs
- Watching an ant colony
- How insects change
- Living things in my yard
- Trees near my home
- Leaf prints
- Parts of a flower
- Roots of different plants
- Inside the egg
- Teeth
- Seashells

### Collections

- Chemical elements (carbon, lead, iron, sulfur, etc.)
- Solids, liquids and gases
- Rocks
- Rocks from two beaches (or areas)
- Different varieties of sand
- Different types of soil
- Fossils

- Bones
- Seashells
- Leaves (indoor or outdoor plants)
- Seeds
- Bark rubbings
- Insects
- Feathers

### Models and Demonstrations

- How a bicycle works
- How a generator (or motor) works
- Simple machines
- Lever
- Pulleys
- Open and closed circuits
- How a switch works
- How fuses work
- How a flashlight works
- How light reflects
- Mixing colors
- How magnets work
- An electromagnet
- Friction
- Newton's 3rd law
- How thermometers work
- Heat and air (convection mobile)
- Does fire give off water?
- Does fire use something in air?
- Does air have weight?
- Does air exert pressure?
- Evaporation
- How are sounds produced?
- Why things float
- Why elevators have counterweights
- A boomerang can
- How things move on movie film
- Why the wind blows
- What makes hair?
- What is ground water?
- Inside our earth (model)
- The earth's surface features (model)
- Volcanos (model)
- Features of the sea floor (model)
- Our solar system (model)
- Galaxies and our milky way (model)
- Optical illusions
- How the ear works (model)
- The ant (clay model)
- How seeds travel
- Do plants give off water?

### Tree rings

### Experiments

- Magnetic and nonmagnetic materials
- Which magnet is strongest?
- Which materials conduct electricity best?
- Which materials conduct heat best?
- Sounds from different rubberbands (or glasses of water)
- Which toy car rolls furthest?
- Which materials dissolve in water?
- Which paper towel absorbs the most water?
- Will an ice cube melt faster when crushed up?
- Do coins corrode more in salt or fresh water?
- How vinegar affects egg shells
- How a shadow changes throughout the day
- Measuring rainfall with a rain gauge
- Depth of snow at ten different locations
- Testing a sundial with a clock
- Which brand of raisin bran has the most raisins?
- What a plant needs to grow
- Do plants prefer tap water or distilled water?
- How temperature affects plant growth
- Do plants give off water?
- In which soil do plants grow best?
- Growing potatoes at different locations
- How fast do kidney beans grow?
- Do large apples have more seeds than small ones?
- Do different kinds of apples have different amounts of seeds?
- What conditions do pill bugs prefer (light or dark, moist or dry)?
- Can an earthworm detect light and darkness?
- How far does a mealworm (or snail) travel in one minute?
- What is the best condition for the growth of mold?
- Which bread molds most quickly?
- Which color liquid do hummingbirds prefer?
- What food does a hamster prefer?
- Can people identify flavors of Kool-Aid when blindfolded?