

FOSS NG Teacher-supplied Materials	
Grade 1	
Investigation	Material Needed
Air and Weather	
All Investigations	<ul style="list-style-type: none"> • Drawing utensils (pencils, crayons, colored pencils, marking pens) • Glue sticks • Paper towels and/or sponges 1 Projection system and computer with Internet access • Science notebooks (composition books) • Water
Outdoor Investigations	<ul style="list-style-type: none"> 1 Bag for carrying materials 32 Clipboards (optional) • Pencils 1 Whistle or bell
Investigation 1: Exploring Air	<ul style="list-style-type: none"> 4 Chairs • Craft sticks (optional) 1 Fork, metal 1 Marking pen, permanent, black 1 Meter tape (optional) 40 Paper napkins, folded, 15 cm (6") square 2 Paper towels 1 Pitcher or other wide-mouthed container 1 Scissors • Scratch paper • Small fish crackers or small pretzels • Toothpicks, flat (optional)
Investigation 2: Observing the Sky	<ul style="list-style-type: none"> • Art paper or construction paper, fadeless, several small pieces of each color: orange, yellow, green, blue, purple 2 Buckets (optional) 32 Construction paper, pieces, red, 4 x 17 cm (1.5" x 7") 32 Construction paper, pieces, red, 2 x 6.5 cm (1" x 2.5") 3 Construction paper, pieces (optional) 5 Cups or envelopes 1 Marking pen, permanent, black 1 Ruler 32 Scissors

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Investigation 3: Wind Explorations	2 Bottles, plastic, soft-drink, 2 L 1 Cardboard or poster board, piece lightweight 56 x 71 cm (22" x 28") 1 Compass, magnetic (optional) 1 Fan or hair dryer, variable speed • Light corn syrup or glycerin, 30 mL (6 tsp.) (optional) • Liquid dishwashing detergent, 250 mL (1 cup) 1 Marking pen, permanent, black 1 Measuring cup 1 Measuring teaspoon 1 Ruler 32 Scissors
Investigation 4: Looking for Change	1 Construction paper, piece, 30.5 x 45.75 cm (12" x 18") • Local newspaper, weather page 32 Scissors

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Grade 1	
Investigation	Material Needed
Plants and Animals	
All Investigations	<ul style="list-style-type: none"> • Chart paper and marking pen • Drawing utensils (pencils, craysons, colored pencils, marking pens) • Glue sticks 1 Marking pen, wet-erase • Newspaper • Paper towels 1 Projection system • Science notebooks (composition books)
Outdoor Investigations	<ul style="list-style-type: none"> 1 Bag for carrying materials 1 Camera (optional) 1 Whistle or bell
Investigation 1: Grass and Grain Seeds	<ul style="list-style-type: none"> 1 Computer with Internet access 4 Pieces of construction paper, 2 brown, 2 green 32 Paper cups or plastic bags (optional) • White glue 1 Metric ruler 1 Paper cutter (optional) • Potting soil, 4 L (4 qt.) 8 Scissors • Transparent tape 1 Weed and leaf from schoolyard 1 Sheet of white paper • Water

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Investigation 2: Stems	<ul style="list-style-type: none"> • Bottled water (optional) • Drawing paper 2 Flowerpots, plastic, 15–20 cm, with coasters 1 Flowerpot, large (optional) 1 Paring knife • Paint (optional) 1 Pitcher or recycled soft-drink bottle, 2 L • Plants for cuttings 1 Plastic bag, large • Plastic bags, small (optional) 8 Potatoes, small, white 16 Scissors • Potting soil, 6 L (6 qt.)
Investigation 3: Terrariums	<ul style="list-style-type: none"> 1 Computer with Internet access • Food for animals (apple, carrot, lettuce) 20 Index cards (optional) • Isopods (optional) • Pasta, large, uncooked, two varieties, such as large elbow macaroni and rotini, about 200 pieces of each variety 1 Pitcher or recycled soft-drink bottle, 2 L • Potting soil, 8 L (8 qt.) 8 Teaspoons, plastic 1 Timer or stopwatch 1 Whiteboard, portable (optional) • Water
Investigation 4: Growth and Change	<ul style="list-style-type: none"> • Bottled water (optional) 34 Bulbs, onion or garlic 2 Paring knives • Paint (optional) 40 Plastic bags, small (optional) 16 Roots (carrots, radishes) to plant • Rulers (optional) 1 Scissors 1 Transparent tape 16 Sheets of white paper

FOSS NG Teacher-supplied Materials	
Grade 1	
Investigation	Material Needed
Sound and Light	
All Investigations	<ul style="list-style-type: none"> • Chart paper and marking pen 1 Computer with Internet access • Drawing utensils (crayons, pencils, colored pencils, marking pens) • Glue sticks 1 Projection system • Science notebooks (composition books)
Outdoor Investigations	<ul style="list-style-type: none"> 1 Bag for carrying materials 32 Clipboards (optional) • Pencils 1 Whistle or bell
Investigation 1: Sound and Vibrations	<ul style="list-style-type: none"> 32 Books, hardcover • Clay, modeling (optional) 8 Index cards 16 Pencils 16 Pennies 1 Pencil or pen • Rice grains • Pinch of salt 1 Scissors 1 Long table or door with a knob • Transparent tape
Investigation 2: Changing Sounds	<ul style="list-style-type: none"> • Paper cups of different sizes 1 Musical instrument (optional) 8 Pencils • Scissors • String of different kinds 1 Long table or door with a knob
Investigation 3: Light and Shadows	<ul style="list-style-type: none"> 16 Pennies 16 Pencils 16 Marking pens, large, that stand on base 1 Piece of white paper 1 Zip bag, 1 L
Investigation 4: Light and Mirrors	<ul style="list-style-type: none"> 16 Books 1 Scissors