

**FOSS NG Teacher-supplied Materials
Kindergarten**

Investigation	Material Needed	Comments
Investigation 2: Water and Land Snails	<ul style="list-style-type: none"> • Aged or treated water 1 Bunch of elodea (<i>Anacharis</i>) • Chalk or egg shells 1 Computer with Internet access 12–15 Land snails • Lettuce or carrot 10 Pieces of construction paper 1 Projection system 24 Water snails (pond snails and ramshorn snails) 	Collet land snails locally or within your state; see Step 2 or Preparing the Kit for Your Classroom for more information
Investigation 3: Big and Little Worms	<ul style="list-style-type: none"> • Flower petals or weeds and leaves • Leaf litter • Carrot, apple, or lettuce 5 Sheets of construction paper or file folder 5 Index cards (optional) 12 Night crawlers • Oatmeal • Packing tape, clear • Paperclips, regular and jumbo • Paper towels • Pitcher • Newspaper (no glossy sheets) 150 Redworms 8 Small objects, such as blocks, pencils, and centimeter cubes 	

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Investigation	Material Needed	Comments
Investigation 4: Pill Bugs and Sow Bugs	<ul style="list-style-type: none"> • Carrot, potato, lettuce 1–2 Flat rocks 25 Pill bugs • Leaf litter • Paper towels • Scissors 1 Small garden plant 8 Small objects, such as blocks, pencils, and centimeter cubes 25 Sow bugs 1 Stopwatch or clock • Tree bark • Water 	

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Investigation	Material Needed	Comments
Materials and Motion		
All Investigations	<ul style="list-style-type: none"> • Chart paper and marking pens 1 Computer with Internet access • Drawing utensils (crayons, pencils, colored pencils, marking pens) • Glue, white • Glue sticks • Newspaper • Paper towels 1 Pitcher or empty 2 L soft-drink bottle 1 Projection system • Science notebooks (composition books) 1 Scissors 	
Outdoor Investigations	<ul style="list-style-type: none"> 1 Bag for carrying materials 32 Collecting bags for carrying materials 	
Investigation 1: Getting to Know Wood	<ul style="list-style-type: none"> 1 Container, large zip bag, or jar • Cornstarch, 1 or 2 boxes 2–3 Small objects that sink 1 Plane (optional) 32 Safety goggles • Saucepan 1 Saw (optional) • Scratch paper 1 Spoon, long-handled 2 Spoons, plastic 32 Sticks, about 20 x 1 cm (8" x 0.5") 1 Turkey baster (optional) 	

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Investigation	Material Needed	Comments
Investigation 2: Getting to Know Paper	<ul style="list-style-type: none"> • Basins or bins, recycling 1 Clothesline and clothespins (optional) • Construction paper, white • Facial tissue, white • Flour, 3/4 – 1 L (3–4 cups) • Newsprint (plain) or brown paper towels (from school) 1 Paper, white, sheet, 22 x 28 cm (8.5" x 11") 1 Screwdriver or mat knife 1 Spoon, large, long-handled 1 Tissue paper, roll, single ply 	
Investigation 3: Getting to Know Fabric	<ul style="list-style-type: none"> 1 Box cutter 5 Cardboard boxes or brown-paper grocery bags • Clothespins or binder clips 1 Clothesline (optional) 2 Contact paper (optional) • Fabric scraps, small 1 Hot glue gun • Mat-board scraps or cardboard scraps (optional) • Natural materials (leaves, sticks, bark – optional) • Paper scraps • Magnets • Materials for recycling center (empty plastic bottles, steel cans, aluminum cans, newspapers, cardboard boxes, scrap wood) • Scissors 1 Stapler (optional) 1 Thermometer (optional) • Wood scraps, small 	

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Investigation	Material Needed	Comments
Investigation 4: Getting Things to Move	2–4 Balls, different sizes (kickball, soccer ball, tennis ball) 2 Bath towel or small blanket 2–3 Books 8 Bottles, smpty, soft-drink, 1–2 L 2 Chairs 1 Meter tape or stick 1 Toy that rolls on wheeels	

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Investigation	Material Needed	Comments
Trees and Weather		
Most Investigations	1 Camera • Chart paper and marking pen • Drawing utensils (crayons, pencils, colored pencils, marking pens) * Glue sticks • Glue, white • Paper, white 1 Pen, marking, permanent, black • Science notebooks (composition books) 1 Scissors • Tape, transparent	
Outdoor Investigations	• Collecting bags for carrying materials • Clipboards (optional)	
Investigation 1: Observing Trees	2 Cardboard pieces, 31 x 46 cm (12.25" x 18.25") 1 Clipboard 20 Paper, construction, pieces, different colors 30 x 45 cm (12" x 16") *Paper, contact • Phone books or catalogs • Planting tools (shovel, hose, bucket) 1 Tree in a container • Water • Yarn, cord, or ribbon	
Investigation 2: Observing Leaves	2–3 Basins or boxes for leaves 1 Cardboard box, small, or shopping bag 1 Felt board • Leaves from trees 16 Paper, white, pieces 5 Sheet protectors, clear-plastic (optional)	

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Investigation 3: Observing Weather	2 Basins 5–6 Cups or envelopes <ul style="list-style-type: none"> • Paper, construction, fadeless: orange, yellow, green, blue, purple • Paper, construction, pieces, 10 x 23 cm (4" x 9") 1 Pen, watercolor or overhead transparency <ul style="list-style-type: none"> • Tape, masking 1 Ruler <ul style="list-style-type: none"> • Water, warm and cold 	
Investigation 4: Trees through the Seasons	32 Bark photos <ul style="list-style-type: none"> • Bottles, soft-drink, 2 L • Evergreen leaves, needs, and scales • Fruits, edible • Gravel or pebbles 1 Knife, sharp 1 Laminator (optional) 8 Paper, drawing, pieces, 11 x 14 cm (4.25" x 5.5") <ul style="list-style-type: none"> • Paper towels 1 Bag for seeds, plastic, 1 L 1 Pruning shears (optional) <ul style="list-style-type: none"> • Twigs • Water 	