Grade K Teacher-Supplied Materials: Fast Track

Module 1: My Big Nature Adventure				
Material	How Material Is Used	Quantity	Driving Question	Fast Track Lesson
Large notebook	Used to create the class alphabet book, where each page is labeled with an uppercase and lowercase letter of the alphabet	1	1	1
Spongy ball **Note:** Alternatively, any small, soft toy can be used.	Used in a ball-toss activity	1	1	1
			3	1
			5	4
Poster or chart paper	Used to make the Science Expectations poster	1 sheet	1	1
	Used to make the academic word wall	1 sheet	1	2
	Used to make the Anchor Phenomenon chart	1 sheet	1	3
	Used to make the Work with a Partner poster	1 sheet	2	1
	Used to make the What Animals Eat Venn diagram	1 sheet	3	3

	Used to make a three-column chart and to write the Anchor Phenomenon	1 sheet	4	2
	Used to display the Anchor Phenomenon to students	1 sheet	5	1
	Used to make the Animals and Plants in the Schoolyard chart	1 sheet	5	5
Non-latex gloves	Used in multiple lessons to follow safety recommendations	1 box (100 gloves)	1	2
	Used in multiple lessons to follow safety recommendations	1 box (100 gloves)	2	2
	Used in multiple lessons to follow safety recommendations	1 box (100 gloves)	4	2
	Used in multiple lessons to follow safety recommendations	1 box (100 gloves)	5	5
Marker pen	Used to add to the academic word wall and the Anchor Phenomenon chart	1	1	3
Red crayon	Used to circle actions in the Twig Book	1 per student	1	3
Green crayon	Used to circle actions in the Twig Book	1 per student	1	3
Red and green construction paper	Used to create a 10 x 10 cm red square and a 10 x 10 cm green square for each student	2 large sheets of each color	1	3
Red construction paper	Used for signaling safe/unsafe examples	1 pack of 50	1	3

Green construction paper	Used for signaling safe/unsafe examples	1 pack of 50	1	3
Camera (e.g., phone, tablet)	Used to take photos of plants as they grow	1	2	6
	Used to take photos of students' outdoor discoveries		4	2
What Is a Plant? cards **Note:** If you do not have access to the Twig Science Lab Kit, you can print and cut out the What Is a Plant? cards file.	Used for Plant activity (must be printed from the link provided)	18 sets (10 cards in a set)	2	1
Opaque plastic bag **Note:** The bag must be plastic, as it will hold moist, fresh leaves. Alternatively, line paper bags with plastic.	Used in the mystery bag investigation	2	2	2
Dead leaves	Used in the mystery bag investigation	A small handful	2	2
Moist leaves	Used in the mystery bag investigation	A small handful	2	2
Clear tape	Used to attach labels to plant pots and photos to the Plants Chart	2 rolls	2	6
	Used to attach cut-out images to a Venn diagram		3	3
Glue	Used to attach labels to plant pots and photos to the Plants Chart	1 bottle	2	6

	Used to attach cut-out images to a Venn diagram		3	3
Paper or card	Used to make labels for the seedlings in the water and sunlight experiments	2 sheets	2	6
Rock	Used to engage students in two discussions about what rocks need and whether rocks are living or nonliving	1	4	1, 2
Paper	Used to draw and label models of healthy and dying sunflowers	1 sheet per student	4	4
Colored pencils or crayons	Used to draw and label models of healthy and dying sunflowers	Several per student	4	4
Photos of living things that live under rocks (e.g., beetles, slugs, millipedes, worms)	Provided as an alternative to the outdoor exploration activity	10	4	2

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Module 2: Marble Run Engineer				
Material	How Material Is Used	Quantity	Driving Question	Fast Track Lesson
Poster or chart paper	Used to make the Anchor Phenomenon chart and a class notebook	12 sheets	1	1
	Used to make the academic word wall	1 sheet	1	2
Marker	Used to write on the Anchor Phenomenon chart	1	1	1
	Used to build the Score 10 Tool	1 per pair	2	1
Tray	Used to hold hands-on materials	1 per pair	1	1, 3, 4
Objects to explore movement (e.g., object with a pushable button, paper towel tube, plastic bottle, roll of tape, toy car, pull toy)	Used to explore ways of making objects move	2–3 per pair	1	1, 3, 4
Paper straws	Used in push-pull activities	1 pack of 144	1	1, 4
Hardback book	Used to hit a moving ball	1	1	5
Masking tape	Used to make parallel lines on desks or	1 roll	1	5

	the floor for the investigation			
Objects that can be safely thrown (e.g., bean bag, empty water bottle, eraser, hat, marker, plastic cup, roll of tape, sponge)	Used to investigate the force of gravity	1 per student	1	6
6 oz paper cups	Used to build a Score 10 Tool	3 packs of 25 = 75	2	1
Selection of informational and narrative books	Used to raise the height of the ramp	1–3 per pair	2	4
Clear tape	Used to build the Score 10 Tool and to secure objects to the table	2 rolls	2	1, 4
Construction paper	Used to build the Score 10 Tool	1 sheet per pair	2	1
Scissors	Used to cut paper cups and a sheet of cardboard	1 per pair	2	1, 3
Cardboard, 10 × 16 cm and 10 x 28 cm (e.g., from cereal boxes)	Used to create a ramp for the Score 10 tool	1 sheet per pair	2	3
Adhesive putty	Used to secure the Score 10 tool to a flat surface	1 pack	2	3, 4
Objects to use in investigations (e.g., clear tape, paper cups, piece of cardboard, foil or felt, books)	Used to investigate changing the speed of a moving marble	At least 3 objects per pair	2	4

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Module 3: Be Prepared				
Material	**How Material Is Used**	**Quantity**	**Driving Question**	**Fast Track Lesson**
Glue	Used to make model umbrellas	1 per team	1	2
	Used for sticking weather symbols into the Twig Book		2	2
Clear tape	Used to tape two images next to each other for comparison	1 roll	1	1
Adhesive hook-and-loop fastener strips (**loops only**)	Used for umbrella models	2	1	2
2 adhesive hook-and-loop fastener strips (**hooks only**)	Used for umbrella models	2	1	2
Black construction paper	Used for umbrella models	1 pack of 50 sheets	1	2
White construction paper	Used for umbrella models and the ground temperature lab	1 pack of 50 sheets	1	2, 3
Large craft sticks	Used for umbrella models	5 packs of 16 = 80	1	2

Straws	Used for umbrella models	50+ (100 straws, pack of 2)	1	2
Rolls of plastic wrap	Used for umbrella models	2	1	2
Tray	Used to hold materials for hands-on investigations	1 per team	1	2
Scissors	Used to cut components of the umbrella models	1 per student	1	2
Paper towels	Used to wipe away excess glue on the model umbrellas	1 pack	1	2
Construction paper	Used to make signs	1 pack	1	3
Marker	Used to make signs	1	1	3
Water	Used in an investigation into ground temperature	A small amount of cool water	1	3
Soft ball **Note:** Alternatively, any small, soft toy can be used.	Used in a ball-toss activity	1	1	3
Ground Temperature cards	Used for ground temperature activity (must be printed from the link provided)	18 sets	1	3, 6
Camera (phone, tablet, etc.)	Used to take a photo of the schoolyard map	1	1	5

SPF 50+ sunscreen	Used on the umbrella models	1 bottle	1	6
Map of the United States	Used to localize different states and cities	1	4	1, 2
Chart paper	Used to make a weather data table	1 piece	3	3

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Module 4: I Can				
Material	**How Material Is Used**	**Quantity**	**Driving Question**	**Fast Track Lesson**
Chart paper	Used to make the class notebook and the Anchor Phenomenon chart	12 sheets	1	1, 2
	Used to make the academic word wall	1 sheet	1	2
Marker	Used to write in the class notebook and the Anchor Phenomenon chart	1	1	1
Earthworms	Used in an earthworm habitat	3–5	1	2
Rubber bands	Used for earthworm habitat	1 pack of 8	1	2

Small plastic container (bottle only)	Used for earthworm habitat	1	1	2
Small plastic container (cap only)	Used for earthworm habitat	1	1	2
Black construction paper	Used for earthworm habitat	1 pack of 20	1	2
Large plastic container	Used for earthworm habitat	1	1	2
Old leaves or kitchen scraps **Note:** Do not include meat.	Used in the earthworm habitat for worm food	Small handful	1	2
Water	Used to make and moisten an earthworm habitat	About 1 jug full	1	2
Bottle cap	Used to model a hermit crab's shell	1	1	2
Small plastic bottle	Used in the hermit crab demonstration	1	1	2
Pebble small enough to fit into the small plastic bottle	Used to model a hermit crab	1	1	2
Plastic cup	Used in the hermit crab demonstration	1	1	2
Spongy ball **Note:** Alternatively, any small, soft toy can be used.	Used by the teacher in a ball-toss activity	1	1	3, 4
Leaf litter	Used to observe and compare with soil	1 trayful per team	2	2
Soil	Used to observe and compare with leaf litter	1 trayful per team	2	2

Various objects made of paper and wood (e.g., a wooden ruler, pencils, a wooden pencil holder, a cardboard box, a stack of paper)	Used during a discussion on items made from trees to pass around the class	2–5	3	1
Tape or safety pins	Used to attach paper signs to students' clothing	1 roll of tape or 1 safety pin per student	3	2
Aluminum can **Note:** Empty and clean	Used to model thinking of ways to reuse items of trash	1	4	2
Assorted recyclable/reusable items (e.g., cans, plastic bottles, blankets, glass jars, magazines, newspaper)	Used to consider ways that items of trash can be reused	1 per team	4	2