Grade 3 Teacher-Supplied Materials: Fast Track

Module 1: The Ultimate Playground				
Material	**How Material Is Used**	**Quantity**	**Driving Question**	**Fast Track Lesson**
Ruler	Used to measure results of investigation	1 per team	4	2
Tray	Used to hold materials for hands-on investigations	1 per team	4	2
Cotton wicks	Used to prep plant investigation	1 pack of 10	1	1
Non-latex gloves (student size)	Used to follow safety guidance in plant investigation	1 box of 100	1	1
Non-latex gloves (adult size)	Used to prep plant investigation	1 pack of 10	1	1
Poster or chart paper	Used to create the Motion KLEW chart, academic word wall, Anchor Phenomenon chart, and Cause-and-Effect Signal Words	4 sheets	1	2
	Used to create the Swings KLEW chart	1 sheet	3	1
	Used to create a chart with class questions about the AP	1 sheet	4	2

	Used to create posters	1 sheet per student	5	3
Marker	Used to write on the Anchor Phenomenon chart	1	1	2
Masking tape	Used in the Test the Tracks activity	1 roll	1	3
Scissors	Used to cut string to make the swing models shorter	1 per team	3	2
Colored pencils	Used by students to complete various pictorial models of their games or rides	1 set per student	5	3,4
Clear tape	Used to tape the washers to the swing	1 small piece per washer	3	2
	Used to secure the swing to the desk	A few pieces per team	3	3
Paper or cardstock	Used when designing magnetic games	1 pack	5	1, 2, 3
Sticky notes	Used to mark various Twig Book pages	Enough to mark multiple pages per student	5	4
Pencil	Used to investigate magnetism	1 per team	4	2

Note: Needs to be wooden				
Piece of shiny, silver plastic	Used to investigate how different materials affect one another	1 per team	4	2
Playground ball	Used to demonstrate push and pull forces	1 per team	1	3, 5
Red, blue, and green colored pencils	Used when drawing a model to indicate different forces (gravity, pushes, pulls)	1 set per student	1	4
Natural rope	Used for tug-of-war	1	2	1
Heavy objects (to put inside a loaf pan)	Used in the teams' roller coaster cars to increase friction between the car and the desk	1–3 per team	2	2
Aluminum loaf pans	Used for the Roller Coaster Car Model	10	2	2
Wooden pencil	Used to investigate how different materials affect one another	1 per team	4	2
Paper clips	Used in Magnetism investigation and Magnetic Game design	1 pack of 100	4	2
		1 pack of 100	5	1
Noisemaker (e.g., bell)	Used to let students know that it is time to move on to the next ride or game	1	5	4

Water	Used to water seeds/seedlings	4 quarter-cups, plus extra to water the growing plants	1	1
Paper towels	Used to clean up spills	1 pack	1	1
Index cards	Used to write down things students have learned from investigations and questions they have	1 per student	3	3
Cotton balls	Used in the Magnetic Games activity	1 pack of 300	5	1
Cotton swabs	Used in the magnetic games project	1 pack of 500	5	1

Grade 3 Teacher-Supplied Materials: Fast Track

Module 2: Welcome to the Biodome				
Material	How Material Is Used	Quantity	Driving Question	Fast Track Lesson
Computer or tablet	Used to display the interactive	1 per team	2	1
Poster or chart paper	Used to make the Life Cycles KLEW chart and the academic word wall	2 sheets	1	1
	Used to make the Anchor Phenomenon chart	1 sheet	1	2
	Used to make the Questions About Our Plants chart	1 sheet	2	1
	Used to make the Plant Traits That Vary chart	1 sheet	3	1
	Used to make the Cause-and-Effect Signal Words chart	1 sheet	3	3
Index cards	Used in the Matching Eggs activity	3 packs of 100 = 300	1	1, 2
Eggs and Parents Cards	Used for Eggs and Parents cards activity (must be printed from the link provided)	18 sets	1	1, 2
Marker	Used to write on the Anchor Phenomenon chart	1	1	2

Rulers	Used to measure the heights of plants	2 per team	2	1, 3
			3	1, 4
Poster board or cardboard	Used to create a model tree trunk	1 per team	3	2
Colored pencils **Note:** Green, yellow, and brown are needed.	Used to make plant drawings	1 set per student	2	3
			3	2
Safety goggles (student size)	Used in multiple lessons to follow safety recommendations	3 packs of 10 = 30	2	3
Scissors	Used to cut out drawings of geckos	1 per student	3	2
Tape or glue	Used to stick images to a handout	1 bottle per team	1	3, 4
Tape or sticky dots	Used in a game of hide-and-seek; gecko models are stuck to a chosen item or surface	1 piece/dot per student	3	2
Pack of sticky note pads	Used in hide-and-seek geckos activity	1	3	2
Colored paper (gray, green, and brown)	Used to demonstrate how geckos blend in to their environment	2–3 sheets of each color	3	2
Bean bags or balls	Used to model grass in a tag game	1–2 per student	4	2

Grade 3 Teacher-Supplied Materials: Fast Track

Module 3: How to Survive an Ice Age

Material	How Material Is Used	Quantity	Driving Question	Fast Track Lesson
Computer or tablet	Used to display the interactive	1 per team	3	2, 3
Poster or chart paper	Used to make the Anchor Phenomenon chart	1 sheet	1	1
	Used to make the Ice Age and Present-Day Mammals charts	1 sheet	2	2
	Used to make an Arctic Plants and Animals Concept Map	1 sheet	2	3
	Used to make the Environmental Conditions and Organism Traits table	1 sheet	2	6
Marker	Used to write on the Anchor Phenomenon chart	1	1	1
Seeds harvested from the plants grown in Module 2	Used to plant and observe growth	A few per team	1	4
Large plastic container, 24 oz	Used in the Planting Test Seed activity	8	1	4

Small plastic container	Used as a planting container	8	1	4
Cotton wicks	Used to transfer water to soil	16	1	4
Cup or container	Used to hold seeds	1 per team	1	4
Additional investigation materials (e.g., containers to mix soil and sand, blocks to adjust proximity to light source, individual fluorescent lights, heating pad, ice, salt)	Used to investigate how a change in environmental conditions influences plant traits	Variety per team	1	4
Safety goggles (student size)	Used in multiple lessons to follow safety recommendations	3 packs of 10 = 30	1	4
		3 packs of 10 = 30	3	4
Safety goggles (student size)	Used in Planting Investigation to follow safety guidance	3 packs of 10 = 30	1	4
		3 packs of 10 = 30	3	4
Non-latex Gloves (student size)	Used in Planting Investigation to follow safety guidance	2 boxes of 100 each	1	4
		2 boxes of 100 each	3	4
Masking tape	Used in Planting investigation	1 roll	1	4

		1 roll	3	3
Scissors	Used to cut out an image handout	1	2	2
Organisms and Environments Cards	Used for Organisms and Environments activity (must be printed from the link provided)	9	2	4
Ruler	Used to measure plants	1 per team	3	4
Tray	Used to hold materials for hands-on investigations	1 per team	1	4
Paper towels	Used to clean up soil spillages	1 pack/roll	3	4
Classroom calendar	Used to mark the date that seeds were planted	1	1	4
			3	4
Water	Used to dampen soil	1 pipette per team	1	4

Grade 3 Teacher-Supplied Materials: Fast Track

Module 4: Weather Warning HQ

Material	How Material Is Used	Quantity	Driving Question	Fast Track Lesson
Computer or tablet	Used to display the interactive	1 per team	2	2, 3
			4	1
Poster and chart paper	Used to create the academic word wall	1 sheet	1	1
	Used to create the Anchor Phenomenon chart	1 sheet	1	2
	Used to create posters	1 sheet per student	4	4
Marker	Used to write on the Anchor Phenomenon chart	1	1	2
Colored pencils **Note:** Red and blue are needed, as well as a third color.	Used to color in illustrations in the Twig Book	3 per team	1	2, 3
Red and blue dry-erase markers	Used to represent hot and cold in a drawing	1 red and 1 blue	1	2, 3, 4
Poster-making materials (e.g., pens and markers)	Used to create posters	Variety per student	4	4