

Materials kit list

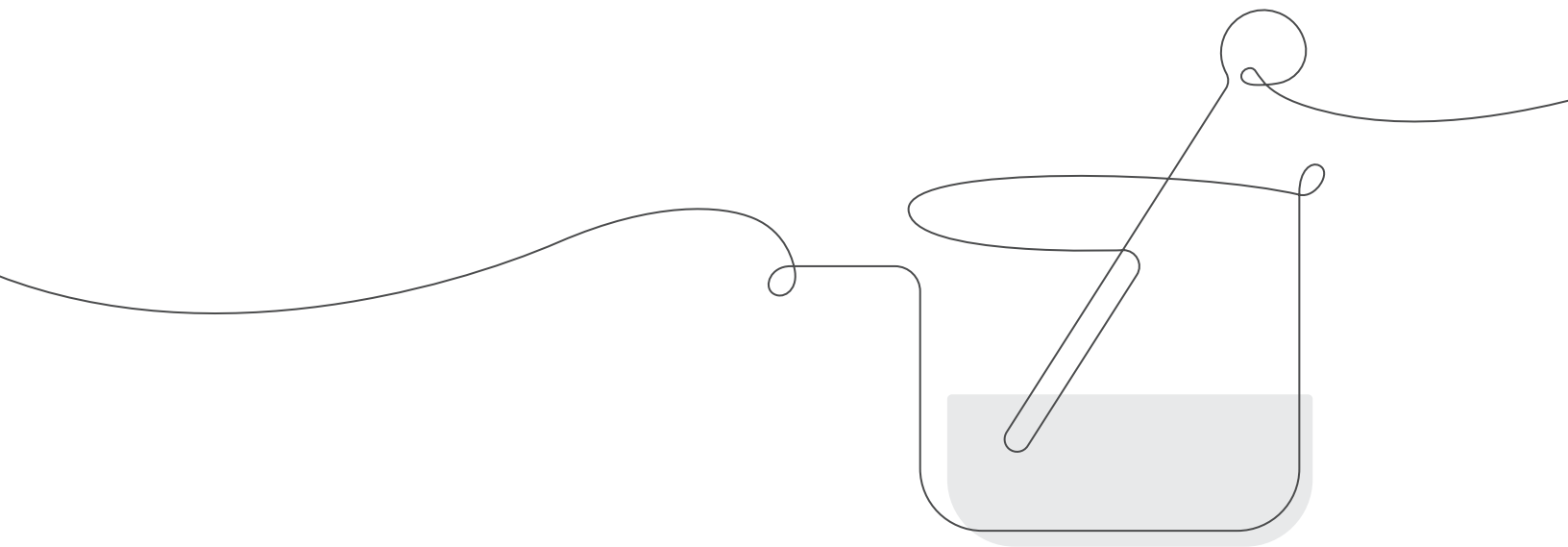


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Hands-on inquiry

Hands-on learning is at the heart of Amplify Science, and is integrated into every unit. Each hands-on activity provides clear instructions for the teacher, while providing easily accessible materials in unit-specific kits.

Each kit contains hands-on materials, both consumable and nonconsumable, and various print materials (e.g., Vocabulary and Key Concept cards). Each kit contains sufficient materials for five uses by a class of 40 students. Refill kits are also available for consumable items. Please note, as improvements are made to hands-on activities, materials lists are subject to change. Check and follow your district's safety regulations pertaining to the use of safety goggles for students participating in hands-on science activities.

Amplify Science also offers a starter kit available for purchase. The starter kit includes general science materials needed to conduct most hands-on activities and experiments for all units in our curriculum program. Items in the starter kit can fulfill some of the teacher-provided kit materials needed for each unit.

With Amplify Science, students are able to actively participate in science, while acting like a scientist gathering evidence, thinking critically, making observations, and communicating their claims.



Starter Kit

Quantity	Description
4	magnifying glass/hand lenses, (6/pack)
2	tub
12	paper, sticky note, pad
40	safety goggles
10	tape, masking
20	tray, plastic

Chemical Reactions:
Mysterious Substance in Westfield's Water

Hands-on materials provided in the <i>Chemical Reactions</i> kit		
Quantity	Description	Used in lesson
164 grams	calcium chloride granules	2.1
1	cornstarch, container	1.3
150	cups (plastic), 9 oz	2.1, 2.2, 2.3, 3.3
1	cylinder, 25 mL, graduated	1.2, 2.1
1	funnel (plastic), small	1.2, 1.3
10 tbsp	graphite powder	1.3
10 tbsp	iron filings	1.2, 1.3
11 tbsp	iron oxide granules	1.2
184	labels for vials ["pipe substance" (30), "fertilizer" (30), "brown substance" (10), "sample 1" (10), "sample 2" (10), "sample 3" (10), "sample 4" (10), "well water" (1), "water from pipes" (1), "calcium chloride" (11), "sodium carbonate" (11), "product" (50)]	1.2, 1.3, 2.1, 2.3
1	measuring scoop	2.1
1	measuring spoon, multi-measure	1.2, 1.3, 2.1
10 tbsp	potassium chloride powder	1.3
164 grams	sodium carbonate powder, anhydrous	2.1
10 tbsp	sodium chloride (table salt)	1.3
11 tbsp	sodium nitrate powder	1.2, 1.3
120	tokens (plastic), amber	2.3
120	tokens (plastic), blue	2.2, 2.3
20	tokens (plastic), gray	2.2
80	tokens (plastic), green	2.2, 2.5, 3.3
120	tokens (plastic), purple	2.2, 2.3, 2.5
120	tokens (plastic), red	2.2, 2.3
80	tokens (plastic), white	2.2, 2.5, 3.3
20	tokens (plastic), yellow	3.3
72	vials (plastic), with lid	1.2, 1.3

Print materials provided in the *Chemical Reactions* kit

Quantity	Description	Used in lesson
20 sets	Chemical Reaction cards (2 cards/set)	2.2
20	Evidence Gradient	4.1
20 sets	Word Relationships cards: Set 1 (4 cards/set)	1.6, 3.3
20 sets	Word Relationships cards: Set 2 (4 cards/set)	3.3
Print materials for classroom wall or scientific argumentation wall		
4	Chapter Questions	throughout
1	Evidence Criterion card	1.3
9 + header	Key Concepts	throughout
1	Unit Question	1.2
8 + header	Vocabulary cards	throughout

Earth, Moon, and Sun: An Astrophotographer's Challenge

Hands-on materials provided in the *Earth, Moon, and Sun* kit

Quantity	Description	Used in lesson
50	chopsticks, plastic	1.3, 1.4, 2.2, 2.4, 3.1, 4.1
1	clamp lamp	1.3, 2.2, 2.4, 3.1
1	lightbulb, incandescent	1.3, 2.2, 2.4, 3.1
50	spheres, foam	1.3, 1.4, 2.2, 2.4, 3.1, 4.1
2 sheets	transparencies, printed with triangle guides*	2.5

*consumable item

Print materials provided in the *Earth, Moon, and Sun* kit

Quantity	Description	Used in lesson
10	Moon Phases paper model templates	2.5
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
4	Chapter Questions	throughout
12 + header	Key Concepts	throughout
9 + header	Vocabulary cards	throughout

Earth's Changing Climate: Vanishing Ice

Hands-on materials provided in the <i>Earth's Changing Climate</i> kit		
Quantity	Description	Used in lesson
20	bags, plastic, resealable, small	2.1, 2.6
10	sheets energy tokens (48/sheet), yellow perforated	2.1, 2.6
120	paper clips	throughout

Print materials provided in the <i>Earth's Changing Climate</i> kit		
Quantity	Description	Used in lesson
1 set	Large Melting Ice Evidence Cards (3 cards/set)	1.2
20 sets	Melting Ice Evidence Cards (3 cards/set)	1.2
20 sets	Human Activities Evidence Cards (4 cards/set)	3.1
1 set	Large Volcano Evidence Cards (10 cards/set)	4.1–4.3
20 sheets	Evidence Gradient	1.2, 3.1, 4.1
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	throughout
4	Chapter Questions	throughout
16 + header	Key Concepts	throughout
16 + header	Vocabulary cards	throughout
1	Evidence Criterion	throughout

Earth's Changing Climate Engineering Internship: Rooftops for Sustainable Cities

Hands-on materials provided in the <i>Earth's Changing Climate Engineering Internship</i> kit		
Quantity	Description	Used in lesson
10	batteries, AAA	1
10	felt, black, 9" x 12"	1
1	lamp with clamp and reflector	2
1	light bulb, 60 watt	2
5	light meter	1
10	page protector, glossy	1
1	solar-powered fan kit	2

Print materials provided in the <i>Earth's Changing Climate Engineering Internship</i> kit		
Quantity	Description	Used in lesson
1	Design Cycle poster	throughout

Evolutionary History:

Advising a Paleontology Museum

Hands-on materials provided in the <i>Evolutionary History</i> kit		
Quantity	Description	Used in lesson
1 full kit	K'NEX® Intermediate Math & Geometry Set	3.1
20	self-sealing plastic bags	3.1
Print materials provided in the <i>Evolutionary History</i> kit		
Quantity	Description	Used in lesson
1 set	Large Species cards (9 cards/set)	1.2
20 sets	Species cards (9 cards/set)	1.2, 2.1
1 set	Large structure change cards (6 cards/set)	2.4
20 sets	Structure Change cards (6 cards/set)	2.4
10 sets	Word Relationship cards: set 1 (5 cards/set)	2.5
10 sets	Word Relationship cards: set 2 (6 cards/set)	3.2
20 sets	Comparing Body Structure cards (10 cards/set)	3.3
20 sheets	Comparing Evidence tables	3.3
20 sheets	Evidence Gradient	4.1
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
4	Chapter Questions	throughout
7 + header	Key Concepts	throughout
11 + header	Vocabulary cards	throughout
1	Evidence Criterion	throughout

Force and Motion:

Docking Failure in Space

Hands-on materials provided in the <i>Force and Motion</i> kit		
Quantity	Description	Used in lesson
20	balls, golf	1.2, 2.1, 3.2
40	balls, rubber (golf-ball sized)	3.2
40	balls, table tennis	2.1
40	canning jar lids and rings	1.2, 1.4
20	rulers, 12", center groove	3.2
40	spring-loaded toilet paper roll holders/spindle	1.2, 1.4, 2.1
Print materials provided in the <i>Force and Motion</i> kit		
Quantity	Description	Used in lesson
20	Word Relationships cards: set 1	1.4
20	Word Relationships cards: set 2	3.3
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	throughout
4	Chapter Questions	throughout
7 + header	Key Concepts	throughout
9 + header	Vocabulary cards	throughout

Force and Motion Engineering Internship: Delivering Pods for Emergency Supplies

Hands-on materials provided in the <i>Force and Motion Engineering Internship</i> kit		
Quantity	Description	Used in lesson
10	bags, self-sealing, quart size*	2
20	coffee filters*	2
100	cotton balls*	2
10	crates, plastic, pint size*	2
8 cups	foam peanuts*	2
20	pipe cleaners*	2
2	scales, digital*	2
20	straws, plastic, clear*	2
5	steel wool pads*	2
20 feet	string*	2
100	twist ties, 4 inch*	2
*consumable item		

Print materials provided in the <i>Force and Motion Engineering Internship</i> kit		
Quantity	Description	Used in lesson
Print materials for classroom wall or scientific argumentation wall		
20	Outlines to Paragraphs sheet	8

Geology on Mars

Hands-on materials provided in the <i>Geology on Mars</i> kit		
Quantity	Description	Used in lesson
20	rock samples, basalt	3.2
20	rock samples, conglomerate	3.2
1 kit	stream table materials	2.2, 2.3

Print materials provided in the <i>Geology on Mars</i> kit		
Quantity	Description	Used in lesson
21 sets	Background Information cards (2 cards/set)	3.1, 3.2, 3.3
21 sets	Channel on Mars Evidence Cards (6 cards/set)	3.1, 3.2, 3.3
21	Channel on Mars Evidence Gradient student sheets	3.2
10 sets	Comparing Rocky Planets cards (16 cards/set)	1.1
20 sets	Geologic Processes cards (2 cards/set)	1.2
20 sets	Jelly Donut Evidence Cards: Set 1 (7 cards/set)	1.3
20 sets	Jelly Donut Evidence Cards: Set 2 (4 cards/set)	1.3
20 sets	Jelly Donut Question and Claim cards (3 cards/set)	1.3
Print materials for classroom wall or scientific argumentation wall		
3	Chapter Questions	throughout
5 + header	Key Concepts	throughout
1 set	scientific argumentation wall (9 items)	throughout
1	Unit Question	throughout
10 + header	Vocabulary cards	throughout

Harnessing Human Energy

Hands-on materials provided in the <i>Harnessing Human Energy</i> kit		
Quantity	Description	Used in lesson
12	batteries, D-cell	1.2
4	brads, boxes	3.2
20	cables with alligator clips	1.2
10	electric motors	1.2
10	fan blades, plastic	1.2
51	film canisters	3.2
10	generators, hand-crank	1.2
20	rubber bands*	1.2
1	solar cell kit	1.2
1	springs, assorted, box	3.2
5	string, balls*	3.2
2	toys, wind-up	1.3
*consumable item		

Print materials provided in the <i>Harnessing Human Energy</i> kit		
Quantity	Description	Used in lesson
20 sets	Ed-You-Swivel Claim Cards (3 cards/set)	3.3
20 sets	Ed-You-Swivel Evidence Cards (8 cards/set)	3.3
21 sets	Energy Source cards (7 cards/set)	2.2
20	Evidence Gradient student sheets	3.3
1 set	Large Ed-You-Swivel Claim Cards (3 cards/set)	3.3
1 set	Large Ed-You-Swivel Evidence Cards (8 cards/set)	3.3
20 sets	Word Relationships cards (5 cards/set)	2.3
Print materials for classroom wall or scientific argumentation wall		
3	Chapter Questions	throughout
5 + header	Key Concepts	throughout
1 set	scientific argumentation wall (9 items)	throughout
1	Unit Question	throughout
10 + header	Vocabulary cards	throughout

Light Waves: Skin Cancer in Australia

Hands-on materials provided in the <i>Light Waves</i> kit		
Quantity	Description	Used in lesson
80	beads, color-changing	2.1
20	binder clips	3.1
1	clamp lamp	1.2
10 of each color	cubes, red and green	3.1
10	flashlights, incandescent	1.2, 2.1
10	flashlights, UV (LED bulb)	2.1
10	laser pointers	3.1
1	light bulb, 60 watt	1.2
1	liquid crystal paper, sheet	1.2, 2.1
12	mirrors	3.1
5	pipe cleaners, yellow	2.1
10	spray bottles	3.1
20	stars, glow-in-the-dark	2.1
2	thermometers	1.2
10	toys, solar-powered	1.2
1	transparency paper, sheet	3.1

Print materials provided in the <i>Light Waves</i> kit		
Quantity	Description	Used in lesson
1	Unit Question	throughout
4	Chapter Questions	throughout
12 + header	Key Concepts	throughout
10 + header	Vocabulary cards	throughout

Magnetic Fields: Launching a Spacecraft

Hands-on materials provided in the <i>Magnetic Fields</i> kit		
Quantity	Description	Used in lesson
1	aluminum foil, roll	1.2
20	compression springs	2.3
20	craft sticks	1.2
20	magnet bars	1.2, 1.3, 2.2
10	paper clips, boxes	1.2, 1.3, 3.3, 4.1
10	pom poms	2.2
10	rubber balls	2.2, 3.1
20	rulers	2.2, 3.1
30	self-sealing plastic bags	1.2, 2.2, 3.1
20	strong ring magnets	1.2, 2.2, 3.1
20	weak ring magnets	1.2, 3.1

Print materials provided in the <i>Magnetic Fields</i> kit		
Quantity	Description	Used in lesson
20	Evidence Gradient	1.3, 4.1
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
4	Chapter Questions	throughout
8 + header	Key Concepts	throughout
16 + header	Vocabulary cards	throughout
1	Evidence Criterion	throughout

Matter and Energy in Ecosystems: Biodome Collapse

Hands-on materials provided in the <i>Matter and Energy in Ecosystems</i> kit		
Quantity	Description	Used in lesson
600	carbon tokens	3.2
500	paper clips*	1.4, 2.3, 2.5, 3.2, 4.1, 4.2, 4.3

*consumable item		
Print materials provided in the <i>Matter and Energy in Ecosystems</i> kit		
Quantity	Description	Used in lesson
10 sets	Energy Storage Molecules card set (4 cards/set)	1.4
10 sets	Word Relationships card set (12 cards/set)	2.3, 2.5
20	Carbon Game board	3.2
20 sets	Carbon Game card set (15 Action and 12 Event/set)	3.2
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	throughout
4	Chapter Questions	throughout
10 + header	Key Concepts	throughout
13 + header	Vocabulary cards	throughout

Metabolism:

Making the Diagnosis

Hands-on materials provided in the *Metabolism* kit

Quantity	Description	Used in lesson
50	bags, plastic, self-sealing, quart-sized*	3.2
1	baking soda, container*	3.2
10	bottles, 60 mL, filled with phenol red*	3.2
1	calcium chloride, container*	3.2
10	cylinders, graduated, 25 mL	3.2
1	measuring spoon	3.2
200	pipe cleaners, green	2.1
150	pipe cleaners, purple	2.1
75	pipe cleaners, yellow	2.1
1	stopwatch	3.1

*consumable item

Print materials provided in the *Metabolism* kit

Quantity	Description	Used in lesson
20 sets	Blue Group cards (5 cards/set)	2.6
1 set	Elisa's Evidence Cards (5 cards/set)	1.3
1 set	Evidence Comparison cards (2 cards/set)	1.3
20	Evidence Gradients	4.1
1 set	Heart Failure cards (6 cards/set)	2.1
20 sets	Green Group Cards and Key (5 cards/set)	2.6
20 sets	Purple Group Cards and Key (5 cards/set)	2.6
10 sets	Role Cards (6 cards/set)	2.1
1 set	Science Seminar Evidence Cards, large (15 cards/set)	4.1, 4.2
1 set	Station Signs (6 signs/set)	2.1

METABOLISM: MAKING THE DIAGNOSIS

Print materials provided in the *Metabolism* kit (continued)

Quantity	Description	Used in lesson
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
4	Chapter Questions	1.2, 2.1, 3.1, 4.1
10 + header	Key Concepts	throughout
10 + header	vocabulary	throughout
1	Evidence Criterion Card	1.3

Microbiome

Hands-on materials provided in the <i>Microbiome</i> kit		
Quantity	Description	Used in lesson
20 sets	Antibiotics Claim and Relevant/Irrelevant Headers (3 cards/set)	2.3
20 sets	Antibiotics Evidence Cards (7 cards/set)	2.3
20 sets	Bacteria Evidence Cards (10 cards/set)*	2.6, 2.7
1 set	Bacteria Evidence Cards, large (2 cards/set)	2.6
20 sets	Bacteria Evidence Subclaims (2 cards/set)*	2.6, 2.7
1 set	Bacteria Evidence Subclaim 2, large	2.6
20	Evidence Gradient sheets	2.6
1 set	Scale cards, large (19 cards/set)	1.2
20 sets	Scale cards: set #1 (16 cards/set)	1.1, 1.2
20 sets	Scale cards: set #2 (3 cards/set)	1.2
20 sets	Word Relationships cards (6 cards/set)	1.3
*consumable item		

Print materials provided in the <i>Microbiome</i> kit		
Quantity	Description	Used in lesson
1	Unit Question	1.1
2	Chapter Questions	throughout
10 + header	Key Concepts	throughout
10 + header	vocabulary	throughout
9	items for scientific argumentation wall	throughout

Natural Selection: Poisonous Newts

Hands-on materials provided in the <i>Natural Selection</i> kit		
Quantity	Description	Used in lesson
20	bags, plastic, gallon size	2.1
60	bags, plastic, quart size	1.3, 2.1
500	counting cubes, blue	2.1
500	counting cubes, green	2.1
500	counting cubes, purple	1.3, 2.1

Print materials provided in the <i>Natural Selection</i> kit		
Quantity	Description	Used in lesson
2 sets	Butterfly Population cards (20 cards/set)	1.2
Print materials for classroom wall or scientific argumentation wall		
4	Chapter Questions	throughout
10 + header	Key Concepts	throughout
1	Unit Question	1.2
13 + header	Vocabulary cards	throughout

Natural Selection Engineering Internship: Fighting Drug-Resistant Malaria

Hands-on materials provided in the <i>Natural Selection Engineering Internship</i> kit		
Quantity	Description	Used in lesson
3	bags, self-sealing, gallon size	2
20	bags, self-sealing, sandwich size	2
500	counting cubes, blue	2
500	counting cubes, green	2
500	counting cubes, purple	2
20	drawstring bags, non-transparent, small	2

Print materials provided in the <i>Natural Selection Engineering Internship</i> kit		
Quantity	Description	Used in lesson
20	Modeling Population Shifts cards (6 cards/set)	2
20	Outlines to Paragraphs sheet	8

Ocean, Atmosphere, and Climate: Cold Years in New Zealand

Hands-on materials provided in the <i>Ocean, Atmosphere, and Climate</i> kit		
Quantity	Description	Used in lesson
14	bags, plastic	2.4
1	clamp lamp	1.3
20	cups, foam, 8 ounce, with plastic lid	2.3
2	cups, plastic, 9 ounce	1.3
18	dice	2.4
1500	energy tokens, magnetic, yellow/red	2.4
1	lightbulb, incandescent, 150 watt	1.3
1	pepper, shaker*	3.2
1	ring stand	1.3
6	rocks, black	1.3
20	thermometers	1.3, 2.3
70	stickers, small, white, circular	2.4
201	straws*	3.2
11	tanks, plastic	3.2

*consumable item

Print materials provided in the <i>Ocean, Atmosphere, and Climate</i> kit		
Quantity	Description	Used in lesson
1	Temperature Conversions poster	1.3 and throughout
14	Ocean Currents game board	2.4
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	throughout
4	Chapter Questions	throughout
8 + header	Key Concepts	throughout
9 + header	Vocabulary cards	throughout

Phase Change: Titan's Disappearing Lakes

Hands-on materials provided in the <i>Phase Change</i> kit		
Quantity	Description	Used in lesson
20	containers with lids, plastic	2.2
10	cups, foam	1.3
50	cups, plastic*	1.3
40	dropper bottles	3.2
2	isopropanol alcohol, bottles*	3.2
20	lenses, hand	1.3
120	marbles, magnetic, low-strength	2.2

*consumable item

Print materials provided in the <i>Phase Change</i> kit		
Quantity	Description	Used in lesson
20	Titan evidence cards (4 cards/set)	2.3
1	Large Titan evidence cards (4 cards/set)	2.3
20	Titan evidence sorting background	2.3
Print materials for classroom wall or scientific argumentation wall		
4	Chapter Questions	throughout
15 + header	Key Concepts	throughout
1	Unit Question	throughout
8 + header	Vocabulary cards	throughout

Phase Change Engineering Internship: Portable Baby Incubators

Hands-on materials provided in the <i>Phase Change Engineering Internship</i> kit		
Quantity	Description	Used in lesson
50	hand warmers*	2
1	tongs	2
*consumable item		

Print materials provided in the <i>Phase Change Engineering Internship</i> kit		
Quantity	Description	Used in lesson
20	Outlines to Paragraphs sheet	8

Plate Motion:

Mystery of the Mesosaurus Fossils

Hands-on materials provided in the <i>Plate Motion</i> kit		
Quantity	Description	Used in lesson
20	cubes, 1", plastic	2.1
20	Silly Putty®, containers	2.1
20	towels	2.3
40	transparencies, blank, 8.5" x 11", sheets	1.3
48	wet-erase markers, black	1.3
48	wet-erase markers, red	1.3

Print materials provided in the <i>Plate Motion</i> kit		
Quantity	Description	Used in lesson
20 sheets	Plate Boundary Map	1.3
20 sheets	Earthquake Map	1.3
10 sets	Word Relationship cards: set 1 (4 cards/set)	2.1
10 sets	Word Relationship cards: set 2 (2 cards/set)	3.1
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
4	Chapter Questions	throughout
9 + header	Key Concepts	throughout
14 + header	Vocabulary cards	throughout

Plate Motion Engineering Internship:

Tsunami Warning Systems

Hands-on materials provided in the <i>Phase Change Engineering Internship</i> kit		
Quantity	Description	Used in lesson
50	hand warmers*	2
1	tongs	2
*consumable item		

Print materials provided in the <i>Plate Motion Engineering Internship</i> kit		
Quantity	Description	Used in day
20	Outlines to Paragraphs sheet	8

Populations and Resources: Too Many Moon Jellies

Hands-on materials provided in the <i>Populations and Resources</i> kit		
Quantity	Description	Used in lesson
20	cups, plastic, clear, 9 oz	1.3
250	cups, plastic, 12 oz*	2.2
10	graduated cylinder	2.2
20	measuring spoon	2.2
150	stir sticks, wood*	2.2
60 teaspoons (10 ounces)	sugar, white, granulated*	2.2
1	thermometer	2.2
520	tokens, plastic	1.3
200 tablespoons (100 ounces)	yeast, baker's*	2.2
*consumable item		

Print materials provided in the <i>Populations and Resources</i> kit		
Quantity	Description	Used in lesson
20 sets	Population Puzzles evidence cards (6 cards/set)	2.6
20	Evidence Gradient	2.7, 3.4
14 sets	Island Population cards (9 cards/set)	4.1
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
1	Evidence Criterion	throughout
4	Chapter Questions	throughout
11 + header	Key Concepts	throughout
11 + header	Vocabulary cards	throughout

Rock Transformations: Geologic Puzzle of the Rockies and Great Plains

Hands-on materials provided in the <i>Rock Transformations</i> kit		
Quantity	Description	Used in lesson
40	dice	3.3
300	pieces of hard candy*	1.4, 2.3
200	plastic cups*	1.4, 2.3
20	plastic jars with lids	2.3
10	rock sets: granite, basalt, sandstone, conglomerate	1.2, 1.4
3	self-sealing plastic bags, gallon size	1.4
*consumable item		

Print materials provided in the <i>Rock Transformations</i> kit		
Quantity	Description	Used in lesson
20	Evidence Gradient	1.5, 4.1
20 sets	Great Plains and Rocky Mountains Evidence Cards (8 cards/set)	1.5
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
4	Chapter Questions	throughout
11 + header	Key Concepts	throughout
15 + header	Vocabulary cards	throughout
1	Evidence Criterion	1.2

Thermal Energy:

Using Water to Heat a School

Hands-on materials provided in the <i>Thermal Energy</i> kit		
Quantity	Description	Used in lesson
25	bags, resealable	2.4, 3.2
2	bowls, plastic	3.3
45	cups, plastic	1.2, 3.3
1,000	energy cubes	2.4, 2.7, 3.2
14	food coloring, boxes*	1.2
2	graduated cylinders	3.3
2	pitchers, plastic	1.2, 3.3
20	thermometers	1.2, 3.3
*consumable item		

Print materials provided in the <i>Thermal Energy</i> kit		
Quantity	Description	Used in lesson
20 sets	Word Relationship cards: set 1 (4/set)	2.1, 2.5
20 sets	Word Relationship cards: set 2 (6/set)	2.5
20 sets	Energy 3-in-a-Row action cards	2.7
20 sets	Energy 3-in-a-Row blue action cards	2.7
20	Energy 3-in-a-Row game boards	2.7
20 sets	Energy 3-in-a-Row object cards	2.7
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	throughout
4	Chapter Questions	throughout
14 + header	Key Concepts	throughout
11 + header	Vocabulary cards	throughout

Traits and Reproduction:

The Genetics of Spider Silk

Hands-on materials provided in the <i>Traits and Reproduction</i> kit		
Quantity	Description	Used in lesson
1	K'NEX® kit, Intermediate Math and Geometry Kit	1.3, 2.2
20	plastic bags, 1 gallon	1.3, 2.2

Print materials provided in the <i>Traits and Reproduction</i> kit		
Quantity	Description	Used in lesson
4	Chapter Questions	throughout
11 + header	Key Concepts	throughout
1	Unit Question	1.2
13 + header	Vocabulary cards	throughout

Weather Patterns:

Severe Storms in Galetown

Hands-on materials provided in the *Weather Patterns* kit

Quantity	Description	Used in lesson
100	sandwich size plastic bags*	1.3
1	plastic dry cleaner bag*	2.1
4	straws	2.1
40	syringes	3.1

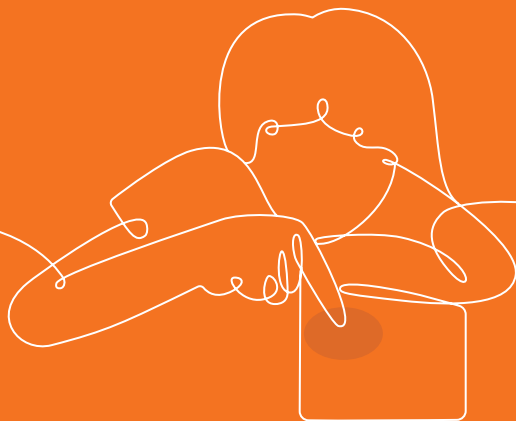
*consumable item

Print materials provided in the *Weather Patterns* kit

Quantity	Description	Used in lesson
40	Evidence Gradient	3.2, 4.1
15 sets	Making it Rain card set (54 cards/set)	2.6
15 sets	Making it Rain with Jet Streams card set (60 cards/set)	2.6
15 sets	Reaching the Target card set (36 cards/set)	2.6
1	Temperature Conversion chart	1.3
10 sets	Word Relationship cards (6 cards/set)	1.6, 2.4
Print materials for classroom wall or scientific argumentation wall		
1	Unit Question	1.2
4	Chapter Questions	throughout
11 + header	Key Concepts	throughout
15 + header	Vocabulary cards	throughout
1	Evidence Criterion	3.2



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