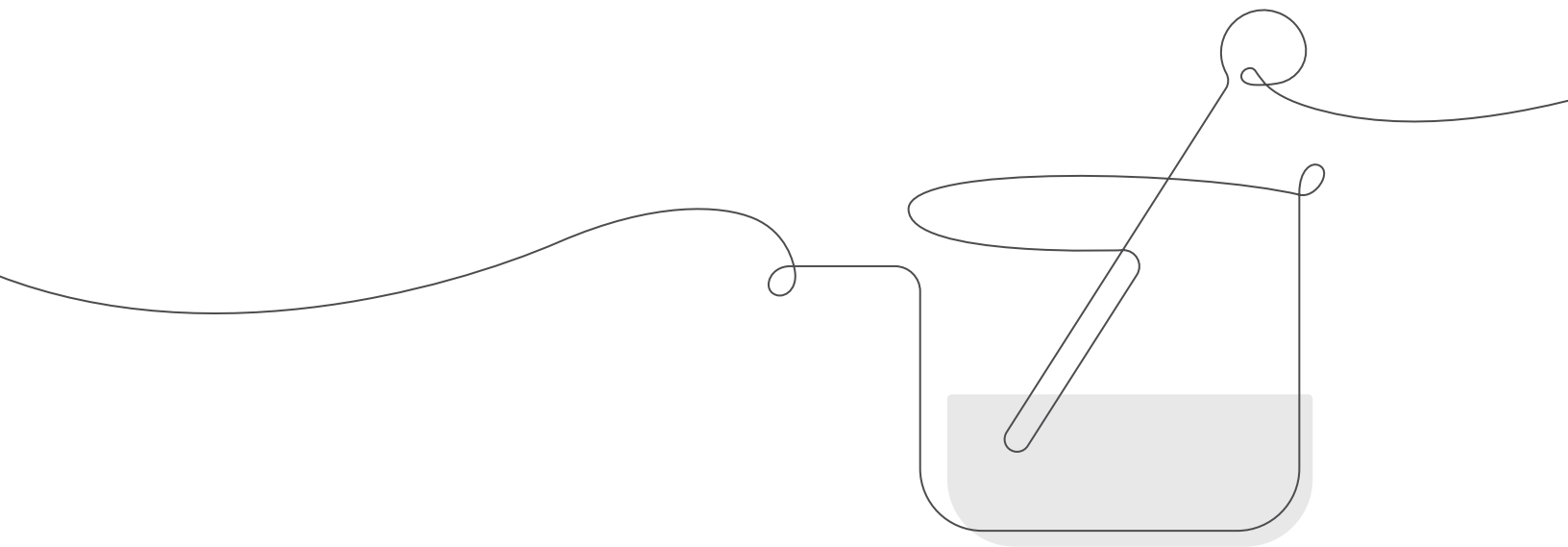


GRADE 5

Materials kit list



authored by



THE LAWRENCE
HALL OF SCIENCE
UNIVERSITY OF CALIFORNIA, BERKELEY

Making hands-on more manageable

Hands-on learning is at the heart of Amplify Science, and is integrated into every unit. In order to make hands-on learning more manageable for busy teachers, Amplify Science materials are organized into unit-specific kits.

Each kit contains both consumable and nonconsumable materials, along with various print materials (e.g., Vocabulary and Key Concept cards). In addition, each kit contains enough materials to support small groups of 4–5 students.

Amplify Science also offers a starter kit that includes general science materials needed to conduct most hands-on activities and experiments for all units in our curriculum.



This image is a representative sample and does not reflect the exact number or size of tubs included with each grade level.

Starter Kit

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-121-0



Hands-on materials provided in the 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

Unit 1 | Patterns of Earth and Sky

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-538-6



Hands-on materials provided in the *Patterns of Earth and Sky* kit

Quantity	Description	Used in lesson
1	ball, 15 cm diameter	1.5, 2.1, 2.3, 2.5, 3.2, 3.3, 3.4
18	dots, sticky, blue*	2.5
18	dots, sticky, green*	2.5
18	dots, sticky, red*	2.5
18	dots, sticky, yellow*	2.5
9	globes, inflatable	1.2, 2.5, 2.6
1	map, world, folded	1.2
24	paper, white, sheets (11" x 17")*	3.2, 3.4
5	spheres, small	1.4

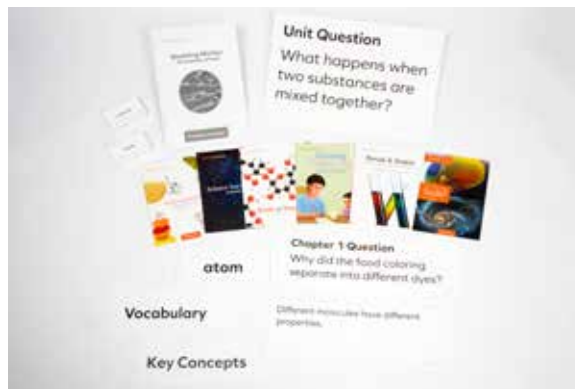
*consumable item

Print materials provided in the *Patterns of Earth and Sky* kit

Quantity	Description	Used in lesson
1	<i>Patterns of Earth and Sky: Analyzing Ancient Artifacts</i> Investigation Notebook	throughout
9 sets	Word Relationships cards: set 1 (7 cards/set)	1.6
9 sets	Word Relationships cards: set 2 (7 cards/set)	2.3
9 sets	Explanation Cards (2 cards/set)	2.6
Classroom wall materials		
4	Chapter Questions	1.2, 2.1, 3.1, 4.1
10	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	1.1
1	Unit Question	1.1
16	Vocabulary cards	throughout
Student books		
18	<i>Dog Days of Summer</i>	3.4
18	<i>Handbook of Stars and Constellations</i>	1.1, 1.6, 3.2, 3.5, 4.3
18	<i>How Big Is Big? How Far Is Far?</i>	1.3, 1.5, 2.4
18	<i>Star Scientist</i>	4.1
18	<i>Which Way Is Up?</i>	2.4

Unit 2 | Modeling Matter

TOTAL BOXES/BINS: 2 ISBN: 978-1-64089-521-8



Hands-on materials provided in the *Modeling Matter* kit

Quantity	Description	Used in lesson
1	acetone (nail polish remover)*	2.6
1	balls, foam, cup	1.5
1	citric acid, container*	2.1, 2.12
1	cornstarch, container*	2.9
1	cumin, powder, bag*	2.1
270	cups, paper, 3 oz*	1.2, 2.1, 2.6, 2.9, 2.12
8	cups, plastic, 2 oz*	1.2, 1.4
92	cups, plastic, clear, 14 oz	1.4, 1.5, 2.1, 2.12
21	droppers, glass	2.6
1	felt, piece	1.5
1	foam peanuts, bag	1.5
1	food coloring, pack (blue, red, yellow, green)*	1.2, 1.4
1	funnel	2.9
1	hook-and-loop fastener, roll	1.5
30	labels, preprinted: citric acid*	2.1
10	labels, preprinted: cornstarch*	2.9
30	labels, preprinted: cumin*	2.1
10	labels, preprinted: flour*	2.9
10	labels, preprinted: lecithin*	2.9
30	labels, preprinted: pepper*	2.1
30	labels, preprinted: pepper*	2.1
30	labels, preprinted: sugar*	2.1

Hands-on materials provided in the *Modeling Matter* kit (continued)

Quantity	Description	Used in lesson
1	lecithin, powder, container*	2.9, 2.12
1	marker, permanent, black	2.9
2	oil, vegetable, bottle*	2.6, 2.9, 2.12
60	paper, chromatography, strips*	1.4
1	pasta, elbow macaroni, box*	1.4
1	pasta, orzo, bag*	1.4
1	pasta, shells, bag*	1.4
1	pepper, container*	2.1
9	scoops, half-teaspoon	2.1, 2.9
1	spoons, plastic, box (48/box)	1.2, 2.12
3	sticks, wooden, packs (50/pack)*	2.1, 2.9
29	vials, with snap lids	2.6, 2.9
1	vinegar, white, container*	1.2, 2.6, 2.8, 2.12

*consumable item

Print materials provided in the *Modeling Matter* kit

Quantity	Description	Used in lesson
1	<i>Modeling Matter: The Chemistry of Food Investigation</i> Notebook	throughout
18 sets	Word Relationships cards: set 1 (8 cards/set)	1.9
18 sets	Word Relationships cards: set 2 (8 cards/set)	2.9
Classroom wall materials		
2	Chapter Questions	throughout
11	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	throughout
1	Unit Question	throughout
14	Vocabulary cards	throughout
Student books		
18	<i>Break It Down: How Scientists Separate Mixtures</i>	1.7, 1.8
18	<i>Food Scientist's Handbook</i>	1.1, 2.5, 2.9, 2.11
18	<i>Made of Matter</i>	1.3
18	<i>Science You Can't See</i>	2.7
18	<i>Solving Dissolving</i>	2.3

Unit 3 | The Earth System

TOTAL BOXES/BINS: 2 ISBN: 978-1-64089-539-3



Hands-on materials provided in the *The Earth System* kit

Quantity	Description	Used in lesson
2	aluminum foil, rolls*	2.7, 3.4
3	baking soda, bottles*	5.1, 5.4
2	calcium chloride, bottles*	5.1, 5.4
18	droppers	2.4, 3.4, 4.5
2	foam cups, 8 oz	3.1
1	food coloring, bottle*	2.7, 3.4
18	graduated cylinders, 25 ml	5.1, 5.4
1	inflatable globe	1.1, 2.2, 2.3, 4.2
18	labels: "baking soda"	5.1, 5.4
18	labels: "calcium chloride"	5.1, 5.4
18	labels: "phenol red + water"	5.1, 5.4
9	labels: "water"	5.4
18	measuring spoon, multi-measure	2.4, 5.1, 5.4
1	phenol red concentrate, bottle*	5.1, 5.4
18	plastic containers, 16 oz*	2.1, 2.4, 2.7, 3.4
2	plastic lids	5.1, 5.4
36	plastic cups, ½ oz*	2.7, 3.4, 4.5
92	plastic cups with lids, 9 oz*	2.1, 2.2, 2.4, 2.7, 3.1, 3.4, 5.1, 5.4
20	plastic cups, 16 oz*	2.7, 3.1, 3.4
2	plastic wrap, rolls*	2.7, 3.4
218	self-sealing plastic bags, quart size*	2.2, 5.1, 5.4

Hands-on materials provided in the *The Earth System* kit (continued)

Quantity	Description	Used in lesson
18	squeeze bottles	5.1, 5.4
1	tissue paper, pack	4.1
18	wooden sticks	5.1, 5.4

*consumable item

Print materials provided in the *The Earth System* kit

Quantity	Description	Used in lesson
1	<i>The Earth System: Investigating Water Shortages</i> Investigation Notebook	throughout
9 sets	Word Relationships cards: set 1 (4 cards/set)	3.3
9 sets	Word Relationships cards: set 2 (8 cards/set)	4.4
9 sets	Word Relationships cards: set 3 (6 cards/set)	5.5
Classroom wall materials		
5	Chapter Questions	throughout
14	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	1.1
1	Unit Question	1.1
21	Vocabulary cards	throughout
Student books		
18	<i>Chemical Reactions Everywhere</i>	5.2
18	<i>Drinking Cleopatra's Tears</i>	2.5, 2.6, 3.1
18	<i>Engineering Clean Water</i>	2.8, 3.4
18	<i>How the Earth System Explains Dinosaur Extinction</i>	4.4

Unit 4 | Ecosystem Restoration

TOTAL BOXES/BINS: 3 ISBN: 978-1-64089-488-4



Hands-on materials provided in the *Ecosystem Restoration* kit

Quantity	Description	Used in lesson
1	bags, plastic, self-sealing, roll of 150	1.7
1	balloons, pack of 10*	2.1
2	bottles, spray	1.2, 3.1
10	containers, plastic, large, with lids	1.2, 1.4
1	cubes, plastic, interlocking, blue, pack of 400	1.4, 1.7, 2.3
1	cubes, plastic, interlocking, green, pack of 50	1.7
1	cubes, plastic, interlocking, red, pack of 50	1.7
1	cubes, plastic, interlocking, white, pack of 400	1.4, 1.7, 2.3
125	cups, clear, plastic	2.6
1	pipe cleaners, brown, pack of 100	2.3
1	pipe cleaners, green, pack of 100	2.3
1	seeds, alfalfa, package*	1.2
1	seeds, grass, package*	1.2
2	Soil A: Nutrient Rich, bags*	1.2, 3.1
2	Soil B: Nutrient Poor, bags*	3.1
1	spoons, plastic, box of 48	3.1
1	sticks, wooden, pack of 50	3.1
1	tokens, plastic, yellow, pack of 360	2.3
1	yarn, ball	1.7, 2.5

*consumable item

Print materials provided in the *Ecosystem Restoration* kit

Quantity	Description	Used in lesson
1	<i>Ecosystem Restoration: Matter and Energy in a Rain Forest Investigation</i> Notebook	throughout
9 sets	Evidence Cards: Animals (5 cards/set)	1.8
9 sets	Evidence Cards: Plants (5 cards/set)	2.7
9 sets	Evidence Cards: Decomposers (6 cards/set)	3.6
18	Leaves and Roots Game board	2.3
9 sets	Leaves and Roots Game cards (28 cards/set)	2.3
1 set	Organism Name cards: set 1 (36 cards)	1.7
1 set	Organism Name cards: set 2 (36 cards)	2.5
Classroom wall materials		
3	Chapter Questions	1.2, 2.1, 3.1
13	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	1.1
1	Unit Question	1.1
19	Vocabulary cards	throughout
Student books		
18	<i>Energy Makes It All Go</i>	2.2, 2.4, 2.5
18	<i>Matter Makes It All Up</i>	1.3, 1.6
18	<i>Restoration Case Studies</i>	2.5, 3.5
18	<i>Walk in the Woods</i>	3.2
18	<i>Why Do Scientists Argue?</i>	2.6

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