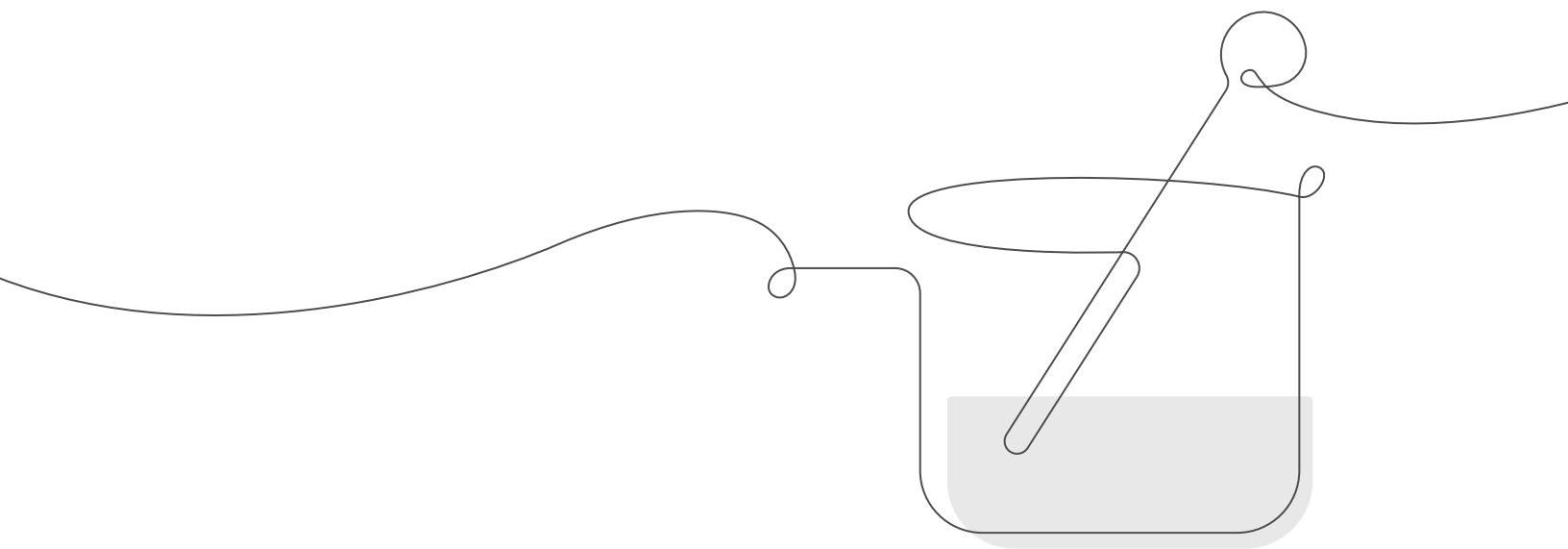


GRADE 1

Materials kit list



authored by



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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 | Animal and Plant Defenses

TOTAL BOXES/BINS: 2 ISBN: 978-1-64089-528-7



Hands-on materials provided in the *Animal and Plant Defenses* kit

Quantity	Description	Used in lesson
1	pencil-top erasers, box of 144	2.3, 2.5, 2.8
2	clay, 16 oz package	2.3, 2.4, 2.5, 4.2, 4.3, 4.4
37	cups, plastic, 16 oz	1.1, 1.4
19	cups, paper, 9 oz	2.3, 2.4, 2.5, 2.8, 4.2
150	cups, plastic, 3 oz*	1.2, 2.1, 4.3
19	hair comb, plastic	2.3, 2.4, 2.5, 4.2, 4.3, 4.4
72	game token, plastic, 1¼" diameter disc	2.3, 2.4, 2.5, 2.6, 2.7, 4.4
40	rings, metal	1.4, 2.3, 2.5, 2.8, 3.1
4	tissue paper, various colors, pack of 25 sheets*	2.3, 2.4, 2.5, 2.8, 4.2
1	toothpicks, box of 750	2.3, 2.5, 2.8, 4.2
1 set	Structure-Function Language Frame cards: set 2 (6 cards)	2.2
1 set	Background Scene cards (9 cards)	2.6
18 sets	Parent and Offspring cards set (5 cards)	3.1, 3.2, 3.3
1 set	Explanation Language Frames cards: set 1(4 cards)	3.3

*consumable item

Print materials provided in the *Animal and Plant Defenses* kit

Quantity	Description	Used in lesson
1	Unit Question	1.1
4	Chapter Questions	throughout
2	section headers: Key Concepts, Vocabulary	throughout
9	Vocabulary cards	throughout
Student books and big books		
18 + 1 big book	<i>Tortoise Parts</i>	1.2, 1.3, 2.4, 4.3
18 + 1 big book	<i>Whose Lunch Is This?</i>	2.1, 2.2, 4.3
18 + 1 big book	<i>Parents and Offspring</i>	3.2, 3.4, 3.5, 4.3
18 + 1 big book	<i>Frog Models</i>	4.1, 4.3
18 + 1 big book	<i>Spikes, Spines, and Shells</i>	1.3, 2.3, 2.4, 2.5, 2.6, 2.7, 4.2, 4.3, 4.4

Unit 2 | Light and Sound

TOTAL BOXES/BINS: 2 ISBN: 978-1-64089-516-4



Hands-on materials provided in the *Light and Sound* kit

Quantity	Description	Used in lesson
1	acetate, sheets, box (100 sheets/box) (representing clear plastic)*	2.3, 3.4
1	batteries, AA, pack (24 batteries/pack)*	1.5
22	cardstock, blue, sheets (representing cardboard)*	2.3
19	cardstock, white, sheets	2.3
2	clips, binder, large, boxes (12/box)	2.3, 2.4, 3.1, 3.5, 3.6, 4.5
4	clips, binder, medium, boxes (12/box)	2.3
1	containers, plastic, pack (5/pack)	4.1
4	crayons, black, boxes (12/box)	1.2, 1.5, 2.5
4	crayons, gray, boxes (12/box)	3.3
4	crayons, silver, boxes (12/box)	1.5, 2.5, 3.3
8	cups, plastic, 4 oz	4.1
19	cups, plastic, 9 oz	2.3, 2.4, 3.1, 3.5, 3.6, 4.5
1	envelopes, large, box (100/box)*	2.4
112	envelopes, small*	2.3
2	flashlights, large	2.1, 2.4, 3.5, 4.6
19	flashlights, small	1.5, 2.1, 2.3, 2.4, 3.1, 3.5, 3.6, 4.5
22	foam, yellow, sheets*	2.3
1	foil, roll*	2.3
4	lighting filter, sheets (representing tinted plastic)*	2.3
5	rings, binder, metal, packs (8/pack)	1.4
1	rubber band, super size	4.2
1	rubber bands, bag (36/bag)	4.1

Hands-on materials provided in the *Light and Sound* kit (continued)

Quantity	Description	Used in lesson
100	sticks, wooden (tongue depressors)	4.1
1	string, roll	4.1
1	wax paper, roll*	2.3

*consumable item

Print materials provided in the *Light and Sound* kit

Quantity	Description	Used in lesson
1	<i>Light and Sound: Puppet-Theater Engineers</i> Investigation Notebook	throughout
18	<i>Let's Test!</i> Bookmark	3.2
18	<i>What Vibrates?</i> Bookmark	4.3
1 set	Explanation Language Frames cards: set 1 (7 cards)	1.4
1 set	Explanation Language Frames cards: set 2 (3 cards)	1.5
1 set	Explanation Language Frames cards: set 3 (3 cards)	2.5
1 set	Explanation Language Frames cards: set 4 (4 cards)	3.2
1 set	Explanation Language Frames cards: set 5 (3 cards)	3.6
1 set	Materials Chart cards (15 cards)	2.3, 3.3
1 set	Results: <i>Let's Test!</i> cards (6 cards)	3.2
1 set	Results: Testing Materials cards (8 cards)	3.1
1 set	Shadow Cards: large (3 cards/set)	2.2
18 sets	Shadow Cards: small (12 cards/set)	2.2
36 sets	Word Ring cards (8 cards/set)	1.4, 2.2, 2.4, 4.3

Print materials for the classroom wall

4	Chapter Questions	throughout
1	Unit Question	throughout
2	section headers: Key Concepts, Vocabulary	throughout
8	Vocabulary cards	throughout

Student books and big books

18 + 1 big book	<i>Can You See in the Dark?</i>	1.2, 1.3, 1.4
18 + 1 big book	<i>Engineering with Light and Sound</i>	1.1, 2.5, 3.3, 4.1
18 + 1 big book	<i>Let's Test!</i>	3.2, 3.5
18 + 1 big book	<i>What Made This Shadow?</i>	2.2, 2.3
18 + 1 big book	<i>What Vibrates?</i>	4.2, 4.3

Unit 3 | Spinning Earth

TOTAL BOXES/BINS: 2 ISBN: 978-1-64089-529-4



Hands-on materials provided in the *Spinning Earth* kit

Quantity	Description	Used in lesson
1	baking cup, paper, white, pack of 12*	3.3, 3.4, 4.1, 4.2
1	globes, inflatable, pack of 19	2.1, 2.2, 2.4, 3.6, 3.6, 5.3
1	magnets, ring, pack of 2	2.3, 2.4, 3.6, 3.6, 5.3
1	paper, black, sheet (36" × 24")*, pack of 2	2.3, 2.4, 3.6, 3.6, 5.3
1	paper, light blue, sheets (3' × 5'), pack of 2*	3.2, 3.3, 3.4, 4.1, 4.2
1	pump, hand	2.1
5	rings, binder, metal, boxes of 8 each	1.5, 2.4, 3.6, 4.4
1	stickers, round, black (3/4-inch, removable), pack of 200*	2.1, 2.2, 3.3
1	stickers, round, green (1-inch, removable), pack of 50*	2.1, 2.2
1	stickers, round, light blue (3/4-inch, removable), pack of 200*	2.1, 2.2, 2.3
1	stickers, round, orange (1-inch, removable), pack of 50*	2.1, 2.2
1	stickers, round, pink (1-inch, removable), pack of 50*	2.1, 2.2
1	stickers, round, purple (1-inch, removable), pack of 50*	2.1, 2.2
1	stickers, round, red (1-inch, removable), pack of 50*	2.1, 2.2
1	stickers, round, yellow (1-inch, removable), pack of 50*	2.1, 2.2
1	stickers, round, yellow (1/2-inch, non-removable), pack of 60*	1.3, 2.3
1	stress ball, globe	2.3

*consumable item

Print materials provided in the *Spinning Earth* kit

Quantity	Description	Used in lesson
1 set	Lesson 1.4 Interpretation Language Frame cards (8 cards/set)	1.4, 2.3
1 set	Lesson 4.3: Explanation Language Frame cards (6 cards/set)	4.3
1 set	Sky Observation card set (large) (10 cards/set)	1.3
1	<i>Spinning Earth: Investigating Patterns in the Sky</i> Investigation Notebook	throughout
1 set	Sun Card and Stars card (2 cards/set)	2.2, 2.3, 2.4, 3.5, 3.6, 4.3, 5.2
36 sets	Word Ring cards (10 cards/set)	1.5, 2.4, 3.3, 4.4
Classroom wall materials		
5	Chapter Questions	1.1, 2.1, 3.1, 4.1, 5.1
2	Section headers: Key Concepts, Vocabulary	1.1
1	Unit Question	1.1
10	Vocabulary cards	throughout
Student books and big books		
18 + 1 big book	<i>After Sunset</i>	1.2, 2.1
18 + 1 big book	<i>A Walk Through the Seasons</i>	5.1
18 + 1 big book	<i>Nighttime Investigation</i>	4.2
18 + 1 big book	<i>Patterns of Earth and Space</i>	1.3, 3.5, 5.2
18 + 1 big book	<i>What Spins?</i>	3.4, 3.5, 4.3, 5.3

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