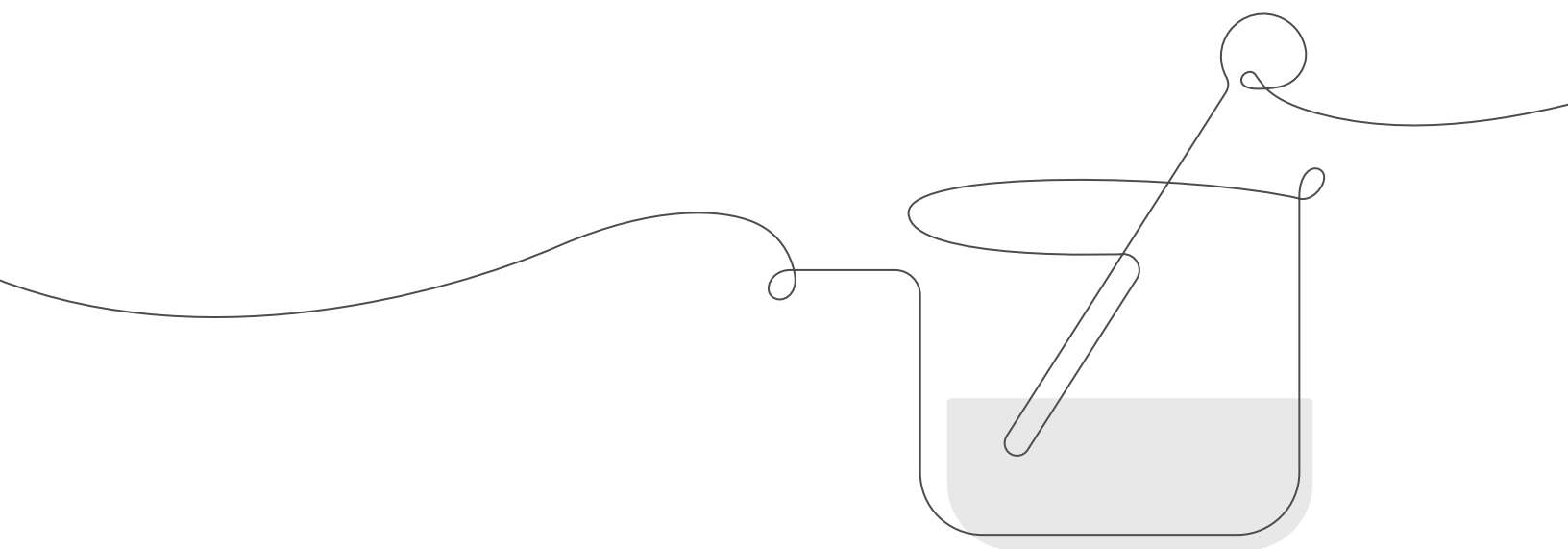


GRADE 3

# 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 | Balancing Forces

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-518-8



## Hands-on materials provided in the *Balancing Forces* kit

Quantity	Description	Used in lesson
1	aluminum foil, roll*	1.5, 4.1
38	bags, plastic, gallon, freezer, self-sealing*	1.2, 2.2, 2.3
20	bags, plastic, quart, self-sealing*	1.5
18	balls, rubber, small	2.2
3	balloons, medium size, packs (12/pack)	1.2, 1.5
2	battery, D-volt*	4.1
38	blocks, wooden	1.2, 2.1, 2.2
1	bolt, iron	4.1
20	cardboard, sheets, 8.5" x 11"*	1.8
1	clothespins, wood, with wire hinges, pack (24/pack)	1.2
18	cups, plastic, 16 oz	3.2
19	dominoes, plastic, small	1.2, 2.1, 2.2
1	fasteners (brads), brass plated, box (30/box)	1.5
10	fasteners (brads), solid brass	1.5
40	hooks, with pointed screw tips	1.2
1	index cards, 3" x 5", pack (100/pack)*	1.2, 2.2
1	magnets, ball, pack (20/pack)	2.2
19	magnets, ring, boxes (2/box, one magnet with red side)	1.4, 1.5, 1.6, 1.8, 2.2, 2.5, 3.1, 3.2, 4.2
2	paper clips, small, packs (100/pack)	1.2, 1.5, 1.8, 2.1, 2.3, 3.2, 4.1
1	sandpaper, small piece*	4.1

**Hands-on materials provided in the *Balancing Forces* kit (continued)**

Quantity	Description	Used in lesson
10	spoons, steel	1.5
16	steel wool, pieces	1.5
15	sticks, craft, wooden	1.5
1	string, cotton, white, ball, 105 feet	3.1, 3.2
20	twist ties, iron cores	1.5
10	washers, metal	1.5
1	wire, magnet, copper, roll	4.1

\*consumable item

**Print materials provided in the *Balancing Forces* kit**

Quantity	Description	Used in lesson
1	<i>Balancing Forces: Investigating Floating Trains</i> Investigation Notebook	throughout
18 sets	Word Relationships cards: set 1 (12 cards/set)	1.8, 2.4, 3.4
18 sets	Word Relationships cards: set 2 (3 cards/set)	2.4, 3.4
18 sets	Word Relationships cards: set 3 (2 cards/set)	3.4
Classroom wall materials		
4	Chapter Questions	throughout
14	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	throughout
1	Unit Question	throughout
14	Vocabulary cards	throughout
Student books		
18	<i>Explaining a Bridge</i>	4.4
18	<i>Forces All Around</i>	1.3, 2.1, 4.2
18	<i>Handbook of Forces</i>	1.5, 2.3, 3.2, 4.1
18	<i>Hoverboard</i>	3.4, 3.5
18	<i>What My Sister Taught Me About Magnets</i>	1.7

# Unit 2 | Inheritance and Traits

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-533-1



## Hands-on materials provided in the *Inheritance and Traits* kit

Quantity	Description	Used in lesson
3	clay, green, packs*	2.4
3	clay, red, packs*	2.4
3	clay, yellow, packs*	2.4
30	cups, clear, plastic	2.4, 3.3
18	food coloring, blue, bottles*	3.3
18	food coloring, red, bottles*	3.3
300	stickers, round, blue*	3.3
300	stickers, round, red*	3.3

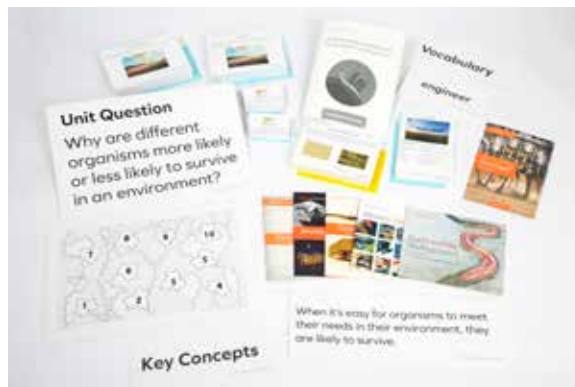
\*consumable item

**Print materials provided in the *Inheritance and Traits* kit**

Quantity	Description	Used in lesson
1	<i>Inheritance and Traits: Variation in Wolves</i> Investigation Notebook	throughout
9 sets	Animal Cards (10 cards/set)	1.3
1 set	Bear Cards (20 cards)	1.3
18 sets	Bird Cards (8 cards/set)	1.3, 1.4
9 sets	Bison Valley Pack data cards (6 cards/set)	2.1, 2.5
9 sets	Elk Mountain Pack data cards (6 cards/set)	1.5 2.1, 2.5
9 sets	Flamingo Family data cards (4 cards/set)	3.1
9 sets	Fruit Fly Family data cards (4 cards/set)	2.1
9 sets	Sparrow Family data cards (3 cards/set)	4.2, 4.3
9 sets	Wolf Family data cards (2 cards/set)	2.5
9 sets	Word Relationships cards: set 1 (4 cards/set)	1.6
9 sets	Word Relationships cards: set 2 (6 cards/set)	2.5
9 sets	Word Relationships cards: set 3 (4 cards/set)	3.6
Classroom wall materials		
4	Chapter Questions	1.4, 2.1, 3.1, 4.1
10	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	1.1
1	Unit Question	1.3
14	Vocabulary cards	throughout
Student books		
18	<i>Blue Whales and Buttercups</i>	1.2
18	<i>Handbook of Traits</i>	1.1, 1.6, 2.2, 2.6, 3.4, 3.5
18	<i>How the Sparrow Learned Its Song</i>	3.2, 3.4, 3.5
18	<i>Scorpion Scientist</i>	4.1
18	<i>The Code</i>	2.3, 2.6

# Unit 3 | Environments and Survival

TOTAL BOXES/BINS: 2 ISBN: 978-1-64089-534-8



## Hands-on materials provided in the *Environments and Survival* kit

Quantity	Description	Used in lesson
36	baggies, gallon*	4.2
36	cardstock, black, sheets	3.1
36	cardstock, white, sheets	3.1
5	clay, blocks (1 lb. each)*	4.3
1	cubes, probability, pack of 18	1.4, 2.4
36	cups, plastic	1.4, 2.1, 2.4, 3.1
1	cylinders, graduated, pack of 36	2.1
1	droppers, plastic, pack of 36	2.1
1	model pieces, pack of 36 (18 blue, 18 red)	1.4, 2.4
1	pipe cleaners, pack of 576*	4.2
3	sticks, craft, boxes of 500 each*	4.2
1	sticks, skill, pack of 432*	4.2
8	straws, boxes of 100 each*	4.2
3	string, rolls*	4.2
36	tape, masking, rolls*	2.1
1	tape, packing, clear, roll*	2.1
1	tokens, black, pack of 600	1.4, 2.4, 3.1
1	tokens, white, pack of 360	2.4, 3.1

\*consumable item



**Print materials provided in the *Environments and Survival* kit**

Quantity	Description	Used in lesson
1	<i>Environments and Survival: Snails, Robots, and Biomimicry</i> Investigation Notebook	throughout
18 sets	Grove Snail cards (9 cards/set)	2.3
18 sets	Grove Snail data cards: set 1 (4 cards/set)	1.5
18 sets	Grove Snail data cards: set 2 (6 cards/set)	2.6
18 sets	Grove Snail data cards: set 3 (3 cards/set)	3.4
2 sets	Neck Test posters (4 cards/set)	4.2, 4.3
9 sets	Needs for Survival Environment Cards (4 cards/set)	1.2
9 sets	Needs for Survival Organism Cards (4 cards/set)	1.2
Classroom wall materials		
4	Chapter Questions	1.1, 2.1, 3.1, 4.1
9	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	1.1
1	Unit Question	1.1
19	Vocabulary cards	throughout
Student books		
18	<i>Biomimicry Handbook</i>	1.1, 2.4, 2.7, 3.3
18	<i>Cockroach Robots</i>	4.1
18	<i>Earthworms Underground</i>	1.3
18	<i>Environment News</i>	3.2, 3.3
18	<i>Mystery Mouths</i>	2.2

# Unit 4 | Weather and Climate

TOTAL BOXES/BINS: 2 ISBN: 978-1-64089-532-4



## Hands-on materials provided in the *Weather and Climate* kit

Quantity	Description	Used in lesson
36	bags, self-sealing, sandwich size*	1.5, 1.6, 2.4, 2.5, 3.6, 3.7
9	containers, plastic, clear, rectangular	1.2, 1.5, 4.3
320	craft sticks*	1.2, 4.3
90	cubes, plastic, interlocking	1.2
9	cups, clear, plastic, 12 oz	1.2, 4.3
72	cups, clear, plastic, 9 oz*	1.2, 1.3, 1.5, 3.1, 4.3
9	cups, plastic, ½ oz	1.2
1	index cards, blank, 3" x 5" pack (300 cards/pack)*	4.3
1	rain gauge	throughout
1	sticky notes, yellow, 3" x 3", pads (100 notes/pad)*	1.1, 2.1
6	sticky notes, pink, 3" x 3", pads (100 notes/pad)*	1.1, 2.1
1	sticky notes, green, 3" x 3", pads (100 notes/pad)*	2.1
288	straws, plastic, unwrapped*	4.3
1	thermometer, indoor/outdoor, jumbo, wall mount	throughout
27	thermometers, small	1.3, 1.4
720	tokens, plastic, yellow	3.1

\*consumable item

### Print materials provided in the *Weather and Climate* kit

Quantity	Description	Used in lesson
1	<i>Weather and Climate: Establishing and Orangutan Reserve</i> Investigation Notebook	throughout
1 set	Temperature Chart cards (4 cards/set)	1.3
1 set	Orangutan data cards (36 cards/set)	2.1
18 sets	Evidence Cards: Chapter 4 (7 cards/set)	4.4
Classroom wall materials		
4	Chapter Questions	1.1, 2.1, 3.1, 4.1
9	Key Concepts	throughout
2	section headers: Key Concepts, Vocabulary	1.1
1	Unit Question	1.1
17	Vocabulary cards	throughout
Student books		
18	<i>Dangerous Weather Ahead</i>	4.1, 4.2
18	<i>Seeing the World Through Numbers</i>	2.2
18	<i>Sky Notebook</i>	1.4
18	<i>What's Going On with the Weather?</i>	3.4, 3.5
18	<i>World Weather Handbook</i>	1.3, 3.3, 3.5, 4.1

Amplify.



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