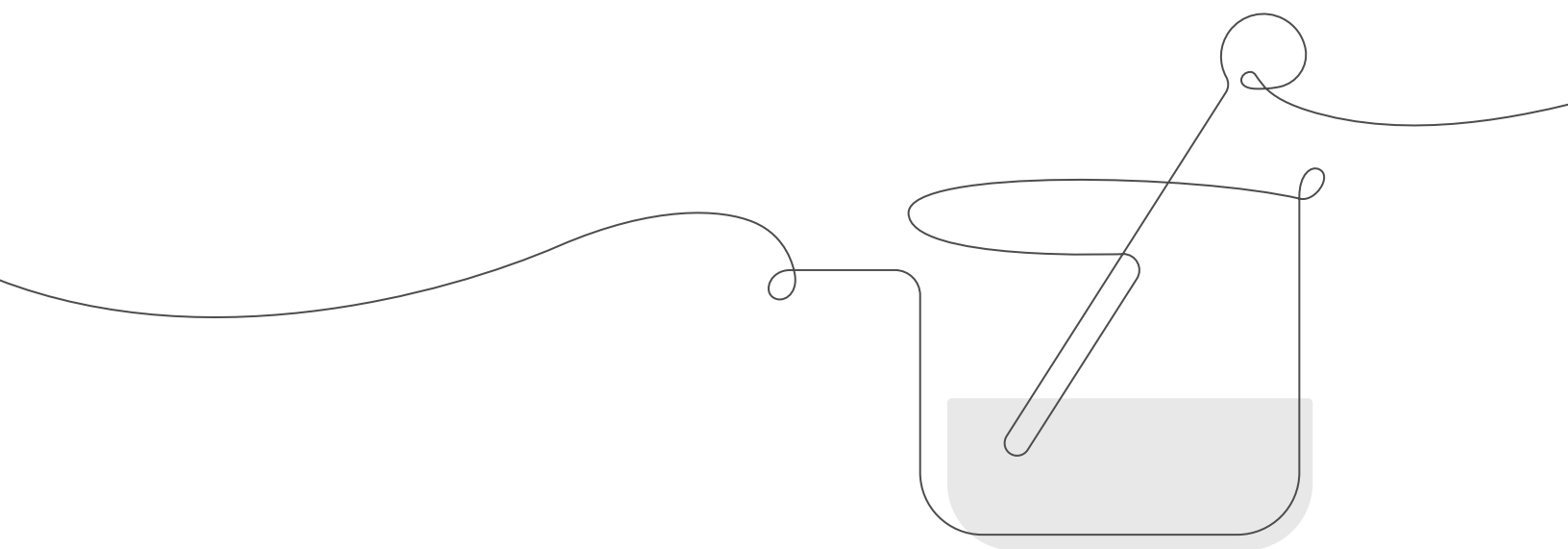


GRADE 7

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 | Geology on Mars

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-506-5



Hands-on materials provided in the Geology on Mars kit

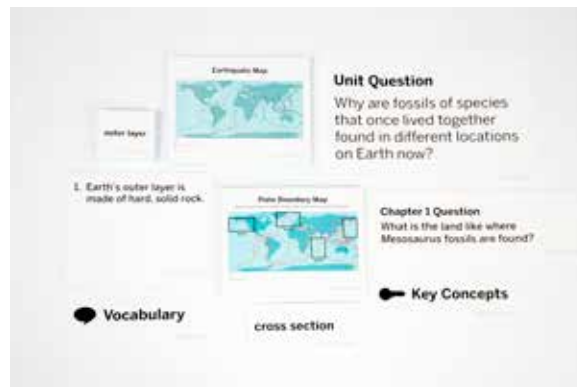
Quantity	Description	Used in lesson
20	lenses, hand	3.2
20	rock samples, basalt	3.2
20	rock samples, conglomerate	3.2
1 kit	stream table materials	2.2, 2.3

Print materials provided in the Geology on Mars 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
Classroom / scientific wall materials		
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

Unit 2 | Plate Motion

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-509-6



Hands-on materials provided in the *Plate Motion* 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 *Plate Motion* 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
Classroom / scientific wall materials		
1	Unit Question	1.2
4	Chapter Questions	throughout
9 + header	Key Concepts	throughout
14 + header	Vocabulary cards	throughout

Unit 3 | Plate Motion: Engineering Internship

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-514-0



Hands-on materials provided in the *Phase Change Engineering Internship kit*

Quantity	Description	Used in lesson
50	hand warmers*	2
1	tongs	2

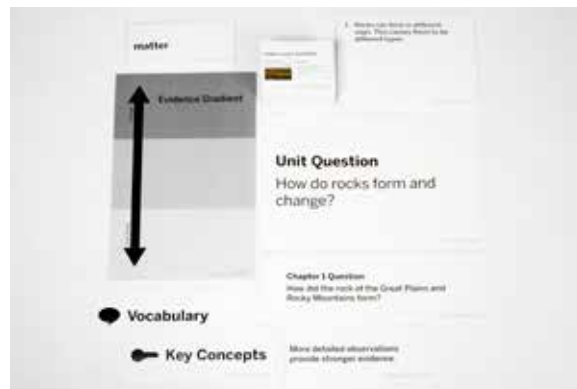
*consumable item

Print materials provided in the *Plate Motion Engineering Internship kit*

Quantity	Description	Used in day
20	Outlines to Paragraphs sheet	8

Unit 4 | Rock Transformations

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-513-3



Hands-on materials provided in the *Rock Transformations* 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

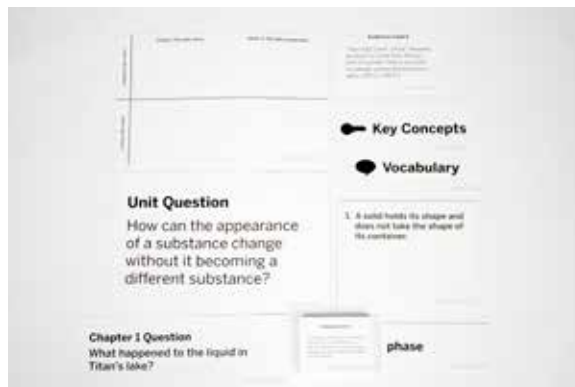
*consumable item

Print materials provided in the *Rock Transformations* 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
Classroom / scientific wall materials		
1	Unit Question	1.2
4	Chapter Questions	throughout
11 + header	Key Concepts	throughout
15 + header	Vocabulary cards	throughout
1	Evidence Criterion	1.2

Unit 5 | Phase Change

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-498-3



Hands-on materials provided in the *Phase Change* 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

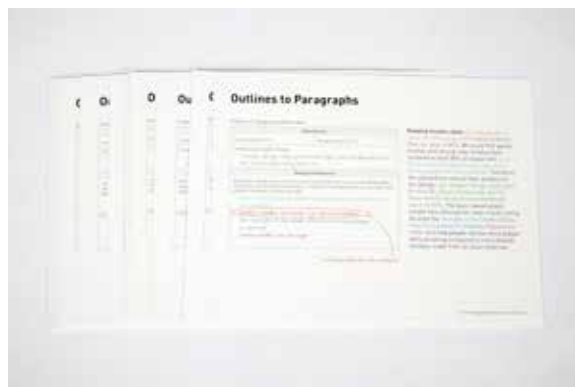
*consumable item

Print materials provided in the *Phase Change* 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
Classroom / scientific wall materials		
4	Chapter Questions	throughout
15 + header	Key Concepts	throughout
1	Unit Question	throughout
8 + header	Vocabulary cards	throughout

Unit 6 | Phase Change: Engineering Internship

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-499-0



Hands-on materials provided in the *Phase Change Engineering Internship kit*

Quantity	Description	Used in lesson
50	hand warmers*	2
1	tongs	2

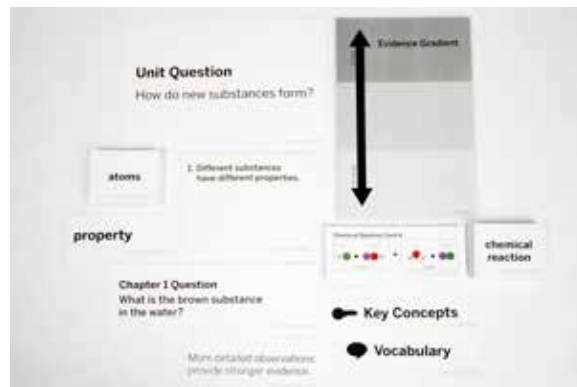
*consumable item

Print materials provided in the *Phase Change Engineering Internship kit*

Quantity	Description	Used in lesson
20	Outlines to Paragraphs sheet	8

Unit 7 | Chemical Reactions

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-503-4



Hands-on materials provided in the *Chemical Reactions* 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

Hands-on materials provided in the *Chemical Reactions kit* (continued)

Quantity	Description	Used in lesson
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
Classroom / scientific wall materials		
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

Unit 8 | Populations and Resources

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-491-4



Hands-on materials provided in the *Populations and Resources* 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

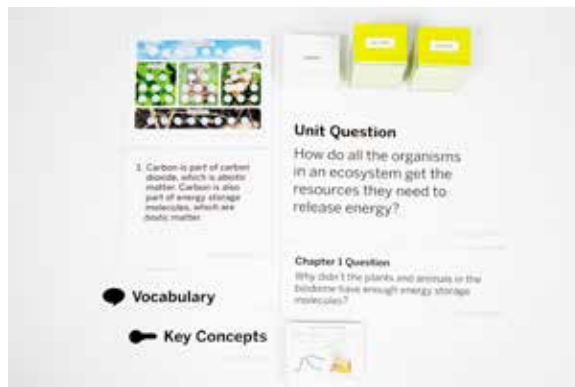
*consumable item

Print materials provided in the *Populations and Resources* 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
Classroom / scientific wall materials		
1	Unit Question	1.2
1	Evidence Criterion	throughout
4	Chapter Questions	throughout
11 + header	Key Concepts	throughout
11 + header	Vocabulary cards	throughout

Unit 9 | Matter and Energy in Ecosystems

TOTAL BOXES/BINS: 1 ISBN: 978-1-64089-493-8



Hands-on materials provided in the *Matter and Energy in Ecosystems* 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 *Matter and Energy in Ecosystems* 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

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