

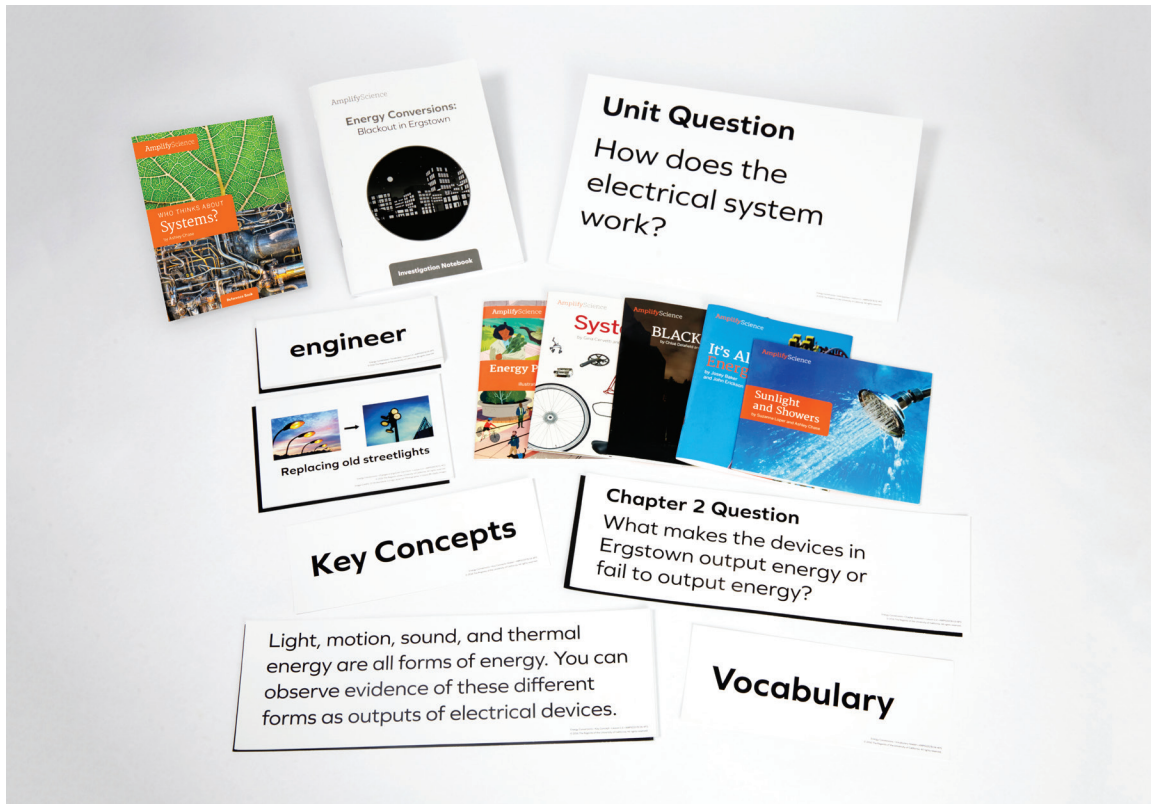
Energy Conversions | Grade 4



Materials in this unit are packaged in 1 box.

Hands-on materials

Quantity	Description
1	light bulb, incandescent, 60 watt
18	fan blades, plastic, small
15	baggies, plastic with zip
18	wires, with clip leads
125	plates, paper, small
400	wooden craft sticks
1	wire, two-conductor
100	cups, plastic, 2 oz
1	cherry pitter
9	LEDs, bicolor
9	solar panels
1	wire cutter
1	clamp lamp
9	buzzers
18	motors



Classroom materials

Quantity	Description
1 set	Changes in Ergstown card (400 cards/set)
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (4 cards/set)
1 set	Vocabulary cards (18 cards/set)
1 set	Key Concepts (9 cards/set)
1 set	Unit Question

Student materials

Quantity	Description
1	Blackout in Ergstown Investigation Notebook (100 pages/book)
18	<i>Who Thinks About Systems</i> (44 pages/book)
18	<i>Energy Past and Present</i> (24 pages/book)
18	<i>Sunlight and Showers</i> (24 pages/book)
18	<i>It's All Energy</i> (52 pages/book)
18	<i>Blackout!</i> (24 pages/book)
18	<i>Systems</i> (28 pages/book)

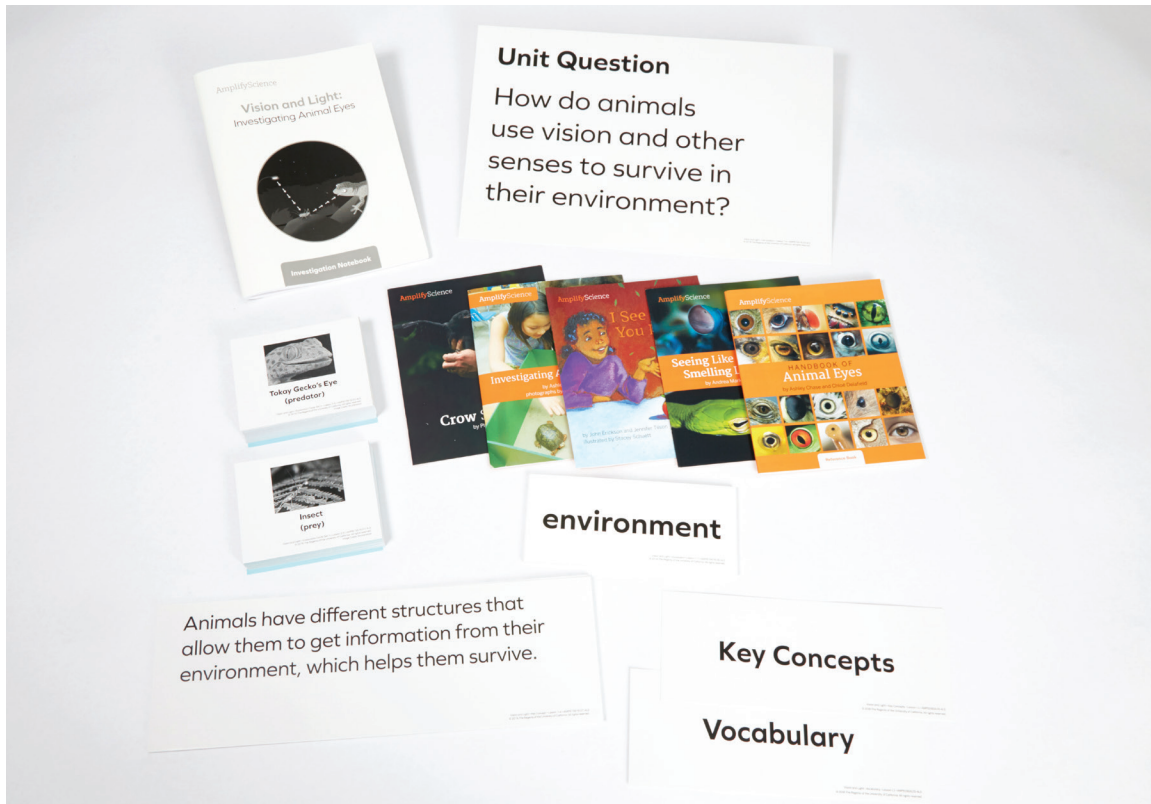
Vision and Light | Grade 4



Materials in this unit are packaged in 3 boxes.

Hands-on materials

Quantity	Description	Quantity	Description
72	bags, plastic with zip, quart-size	9	bags, small muslin
2	lids, plastic for 16 oz container	36	balls, small pink
180	hook-and-loop strips, 3/4" wide	9	probability cubes
25	bags, plastic with zip, large	720	pom-poms, yellow
2	containers, plastic, 16 oz.	36	cardboard boxes
720	hook-and-loop dots, beige	2	cinnamon sticks
1	garlic powder, container	36	canisters, film
9	faux fur, 3"x3" pieces	72	pipe cleaners
65	cups, plastic, 9 oz	2	yarn, skeins
9	binder clips, large		
9	masking tape, rolls		



Classroom materials

Quantity	Description
18 sets	Explanation cards: set 1 (3 cards/set)
18 sets	Explanation cards: set 2 (5 cards/set)
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (5 cards/set)
1 set	Vocabulary cards (19 cards/set)
1 set	Key Concepts (10 cards/set)
1 set	Unit Question

Student materials

Quantity	Description
1	Investigating Animal Eyes Investigation Notebook (108 pages/book)
18	<i>Seeing Like a Shrimp and Smelling Like a Snake</i> (28 pages/book)
18	<i>Investigating Animal Senses</i> (28 pages/book)
18	<i>Handbook of Animal Eyes</i> (52 pages/book)
18	<i>I See What You Mean</i> (28 pages/book)
18	<i>Crow Scientist</i> (20 pages/book)

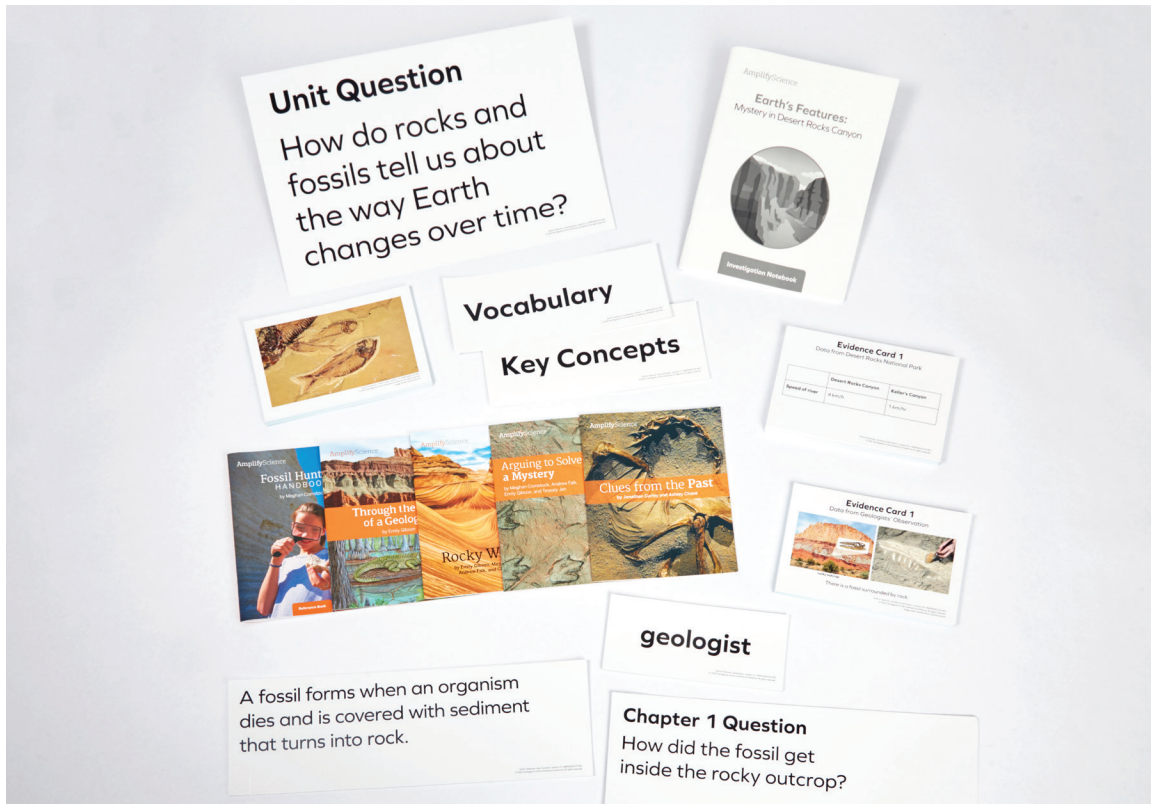
Earth's Features | Grade 4



Materials in this unit are packaged in 3 boxes.

Hands-on materials

Quantity	Description
2	plaster of Paris, powdered dry mix, 1.5 lb canisters
1	Stream Table Erosion kit
1	clay, non-drying, 16oz
24	cups, plastic, 16 oz
54	cups, plastic, 3 oz
18	conglomerate rocks
2	tray, stream table
6	sand, 2.5 kg bags
9	sandstone rocks
18	plastic spoons
12.5	gravel, cups
4	buckets
2	tubes



Classroom materials

Quantity	Description
9 sets	Evidence cards set 1 (3 cards/set)
9 sets	Evidence cards set 2 (4 cards/set)
9 sets	Evidence cards set 3 (5 cards/set)
9 sets	Fossil cards (2 cards/set)
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (4 cards/set)
1 set	Vocabulary cards (16 cards/set)
1 set	Key Concepts (11 cards/set)
1	Unit Question card

Student materials

Quantity	Description
1	Mystery in Desert Rocks Canyon Investigation Notebook (92 pages/book)
18	<i>Through the Eyes of a Geologist</i> (28 pages/book)
18	<i>Arguing to Solve a Mystery</i> (24 pages/book)
18	<i>Fossil Hunter's Handbook</i> (56 pages/book)
18	<i>Clues from the Past</i> (20 pages/book)
18	<i>Rocky Wonders</i> (28 pages/book)

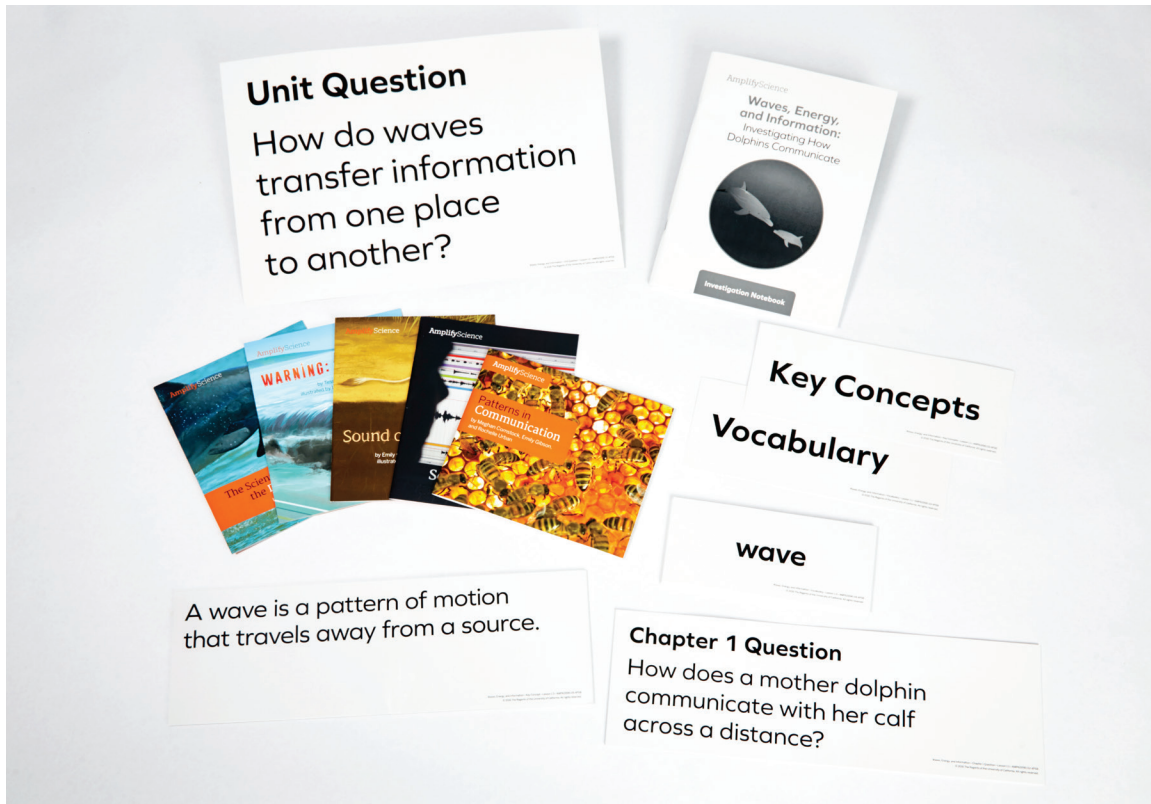
Waves, Energy, and Information | Grade 4



Materials in this unit are packaged in 1 box.

Hands-on materials

Quantity	Description
80	straws, plastic, wrapped
1	rope, 72 feet
9	Slinkys



Classroom materials

Quantity	Description
1 set	section headers: Key Concepts, Vocabulary (2 cards/set)
1 set	Chapter Questions (4 cards/set)
1 set	Vocabulary cards (17 cards/set)
1	Unit Question card
1 set	Key Concepts

Student materials

Quantity	Description
1	Investigating How Dolphins Communicate Investigation Notebook (108 pages/book)
18	<i>The Scientist Who Cracked the Dolphin Code</i> (28 pages/book)
18	<i>Patterns in Communication</i> (48 pages/book)
18	<i>Sound on the Move</i> (28 pages/book)
18	<i>Warning: Tsunami!</i> (24 pages/book)
18	<i>Seeing Sound</i> (28 pages/book)