

# Needs of Plants and Animals | Kindergarten



Materials in this unit are packaged in 3 boxes.

## Hands-on materials

Quantity	Description
216	sticky notes, electric blue, 3" x 3"
72	sticky notes, black, 3" x 3"
4	trays, potting, plastic
250	cups, plastic, 9 oz
50	cups, plastic, 2 oz
216	elf sunflower seeds
1	grow light bulb
4	spray bottles
432	radish seeds
1	light timer
1	clamp lamp

## Classroom materials

Quantity	Description
1	<i>What Does a Scientist Look Like?</i> , Big Book (40 pages/book)
1	<i>Investigating Monarchs</i> , Big Book (24 pages/book)
1	<i>A Plant in the Desert</i> , Big Book (20 pages/book)
1	<i>Handbook of Plants</i> , Big Book (36 pages/book)
1	<i>Above and Below</i> , Big Book (20 pages/book)
1	<i>Science Walk</i> , Big Book (20 pages/book)
2	Habitat Pictures: Forest and Field of Weeds
3 sets	Animals and their Foods cards (9 cards/set)
18 sets	Living Things Student cards (11 cards/set)
18 sets	Human Needs Student cards (12 cards/set)
6	Explanation Language Frame cards: set 1
5	Explanation Language Frame cards: set 2
2	Explanation Language Frame cards: set 3
2	Explanation Language Frame cards: set 4



**Student materials**

4	Explanation Language Frame cards: set 5
18 sets	Water in Habitat cards (4 cards/set)
19 sets	Mariposa Grove cards (2 cards/set)
16	Living/Nonliving Things cards
9	Animals Eating Station cards
6	Monarch Habitats chart cards
8	Animal Habitat Table cards
17	Food Sorting cards
12	Human Needs cards
2	Section headers: Key Concepts, Vocabulary
4	Chapter Questions cards
1	Unit Question card
11	Vocabulary cards

Quantity	Description
1	Milkweed and Monarchs Investigation Notebook (24 pages/book)
18	<i>What Does a Scientist Look Like?</i> (40 pages/book)
18	<i>Investigating Monarchs</i> (24 pages/book)
18	<i>A Plant in the Desert</i> (20 pages/book)
18	<i>Handbook of Plants</i> (36 pages/book)
18	<i>Above and Below</i> (20 pages/book)
18	<i>Science Walk</i> (20 pages/book)

# Pushes and Pulls | Kindergarten



Materials in this unit are packaged in 3 boxes.

## Hands-on materials

Quantity	Description
73	cardboard boxes, 11" x 17" x 2", with slots
200	wooden sticks (tongue depressors)
1	cardboard box, 12" x 24" x 2"
93	baggies, plastic with zip
160	rubber bands (medium)
81	rubber bands (large)
24	rubber bands (small)
73	balls, table-tennis
73	binder clips, large
2	masking tape, rolls
1	peg board, 1' x 2'
18	nuts, large, metal
16	dowels, 2" long
1	ball, foam, 6"
18	marbles, flat
19	tennis balls
73	shoelaces

## Classroom materials

Quantity	Description
1	<i>Room 4 Solves a Problem</i> , Big Book (28 pages/book)
1	<i>A Busy Day in Pushville</i> , Big Book (20 pages/book)
1	<i>Talking About Forces</i> , Big Book (20 pages/book)
1	<i>Building with Forces</i> , Big Book (20 pages/book)
1	<i>Forces in Ball Games</i> , Big Book (52 pages/book)
9	Pinball Machine Design Goals chart: Diagrams 1-9
5	What We Know About Forces chart: Icons 1-6
7	Explanation Language Frames cards: set 1
4	Explanation Language Frames cards: set 2
8	Explanation Language Frames cards: set 3
2	Explanation Language Frames cards: set 4
4	Explanation Language Frames cards: set 5



### Student materials

18 sets	Forces cards set: Headers (2 cards/set)
18 sets	Forces cards: small (8 cards/set)
73	Box Model mat 1: Long/Short
73	Box Model mat 2: left/right
73	Box Model mat 3: targets
8	Forces cards: large
2	Section headers: Key Concepts, Vocabulary
6	Chapter Questions cards
1	Unit Question card
9	Vocabulary cards

Quantity	Description
1	Designing a Pinball Machine Investigation Notebook (28 pages/book)
18	<i>A Busy Day in Pushville</i> (20 pages/book)
18	<i>Room 4 Solves a Problem</i> (28 pages/book)
18	<i>Talking About Forces</i> (20 pages/book)
18	<i>Forces in Ball Games</i> (52 pages/book)
18	<i>Building with Forces</i> (20 pages/book)



# Sunlight and Weather | Kindergarten



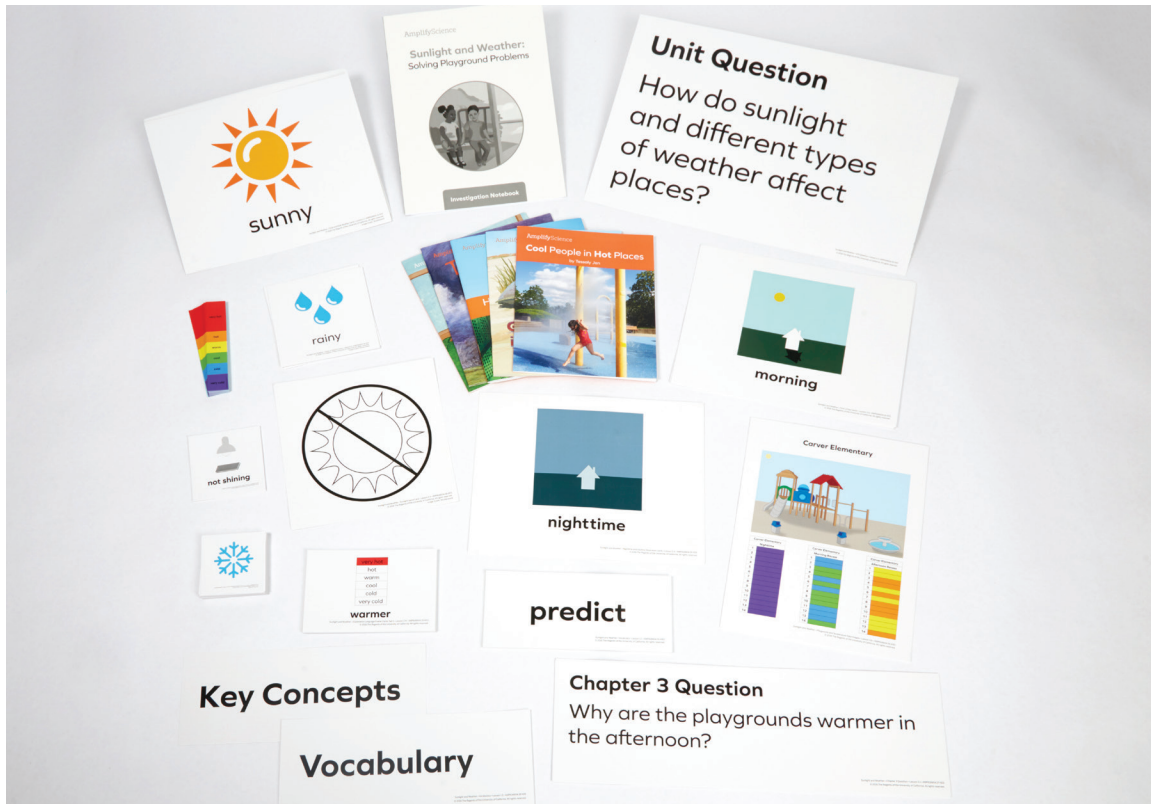
Materials in this unit are packaged in 2 boxes.

## Hands-on materials

Quantity	Description
8	vials with lids, plastic, 18 ml
36	rubber sheets, black, 3" x 6"
36	rubber sheets, white, 3" x 6"
18	thermometers, liquid crystal
2	clay, soft plasticine, 16 oz
9	light bulbs, 60 watt
1	glue, super, bottles
130	cups, plastic, 9 oz
2	gravel, cups
4	caps, bottle
9	clamp lamps
37	cups, paper

## Classroom materials

Quantity	Description
1	<i>Tornado! Predicting Severe Weather</i> , Big Book (24 pages/book)
1	<i>What Is the Weather Like Today?</i> , Big Book (28 pages/book)
1	<i>Getting Warm in the Sunlight</i> , Big Book (20 pages/book)
1	<i>Cool People in Hot Places</i> , Big Book (24 pages/book)
1	<i>Handbook of Models</i> , Big Book (40 pages/book)
38	Playground Weather calendars and graphs Illustration cards
2	Nighttime and Daytime Illustration cards
4	Explanation Language Frame cards: set 1
4	Explanation Language Frame cards: set 2
4	Explanation Language Frame cards: set 3
2	Playground and Temperature Data images
2	Think and Walk Severe Weather cards



**Student materials**

- 2 Think and Walk Temperature cards
- 3 Warming Over Time Graph labels
- 6 Colored Surfaces Graph labels
- 5 Think and Walk Weather cards
- 18 thermometer color strips
- 5 Types of Weather icons
- 2 Warming Graph labels
- 1 Sunlight Game card
- 3 Time of Day cards
- 2 Section headers: Key Concepts, Vocabulary
- 5 Chapter Questions cards
- 1 Unit Question card
- 10 Vocabulary cards

Quantity	Description
1	Solving Playground Problems Investigation Notebook (28 pages/book)
18	<i>Tornado! Predicting Severe Weather</i> (24 pages/book)
18	<i>What Is the Weather Like Today?</i> (28 pages/book)
18	<i>Getting Warm in the Sunlight</i> (20 pages/book)
18	<i>Cool People in Hot Places</i> (24 pages/book)
18	<i>Handbook of Models</i> (40 pages/book)