

*Fresno Unified School District  
Grade 4 Science Curriculum Map*

<b>Period 1</b>	<b>Lesson</b>	<b>Book References</b>	<b>CA Standard</b>	<b>Suggested Time*</b>
<u>Introductory Unit:</u> Getting Ready For Science	Unit Introduction 1 - What Are Investigation Tools?	pp. 2-13	I&E 6.b	Week 1
	2 - What Are Investigation Skills?	pp. 14-27	I&E 6.a; 6.b; 6.c;	Week 2
	3 - How Do Scientists Use Graphs?	pp. 28-37	I&E 6.e	Week 3
	4 - What Is The Scientific Method?	pp. 38-47	I&E 6.d; 6.f	Week 4
	Unit Wrap Up and Assessment	pp. 48-51		Week 4
<u>Unit 4:</u> Rocks and Minerals	Unit Introduction 1 – How Are Minerals Identified?	pp. 268-285	4.b; I&E 6.f	Week 5-6
	2 – How Are Rocks Identified?	pp. 286-301	4.a; I&E 6.a	Week 7-8
	3 – What Is the Rock Cycle?	pp. 302-313	4.a; 6.c	Week 8-9
	Unit Wrap Up and Assessment	pp. 314-317		Week 9
<b>Period 2</b>	<b>Lesson</b>	<b>Book References</b>	<b>CA Standard</b>	<b>Suggested Time*</b>
<u>Unit 5:</u> Waves, Wind, Water, and Ice	Unit Introduction 1 – What Causes Changes to Earth’s Surface?	pp. 318-333	5.a	Week 10-11
	2 – What Causes Weathering?	pp. 334-345	5.b; I&E 6.a; 6.f	Week 12-14
	3 – How Does Moving Water Shape the Land?	pp. 346-347	5.a; 5.c; I&E 6.c; 6.f	Week 15-17
	Unit Wrap Up and Assessment	pp. 358-361		Week 18

*Fresno Unified School District  
Grade 4 Science Curriculum Map*

<b>Period 3</b>	<b>Lesson</b>	<b>Book References</b>	<b>CA Standard</b>	<b>Suggested Time*</b>
<u>Unit 2:</u> Energy for Life and Growth	Unit Introduction 1 – What Are Producers and Consumers?	pp. 150-165	2.a; 2.b; I&E 6.f	Week 19
	2 – What Are Decomposers?	pp. 152-165	2.c; I&E 6.a	Week 20-21
	3 – What Are Food Chains and Food Webs?	pp. 166-179	2.b; I&E 6.a	Week 22
	4 – How Do Living Things Compete for Resources?	pp. 180-191	2.b; I&E 6.d	Week 23
	Unit Wrap Up and Assessment	pp. 202-205		Week 23
<u>Unit 3:</u> Ecosystems	Unit Introduction 1 – What Makes Up an Ecosystem?	pp. 206-223	3.a; I&E 6.d	Week 24-25
	2 – What Affects Survival?	pp. 224-239	3.b; I&E 6.c	Week 26
<b>Period 4</b>	<b>Lesson</b>	<b>Book References</b>	<b>CA Standard</b>	<b>Suggested Time*</b>
<u>Unit 3:</u> Ecosystems (continued)	3 – What Is Interdependence?	pp. 240-253	3.c; I&E 6.c	Week 27-28
	4 – What Are Microorganisms?	pp. 254-263	3.d; I&E 6.f	Week 29
	Unit Wrap Up	pp. 264-267		Week 29
<u>Unit 1:</u> Electricity and Magnetism	Unit Introduction 1 – What is Static Electricity?	pp. 52-67	1.e; I&E 6.a; 6.c; 6.d	Week 30
	2 – What Makes a Circuit?	pp. 68-81	1.a; I&E 6.c; 6.d	Week 31
	3 – What Are Magnetic Poles?	pp. 82-93	1.f; I&E 6.f	Week 32
	4 – How Can You Detect a Magnetic Field?	pp. 94-105	1.b; I&E 6.c; 6.d	Week 33
	5 – What Makes An Electromagnet?	pp. 106-115	1.c; I&E 6.e; 6.d	Week 34
	6 – How Are Electromagnets Used?	pp. 116-131	1.d; I&E 6.f; 6.d	Week 35
	7 – How Is Electrical Energy Used?	pp. 132-145	1.g; I&E 6.a	Week 36
	Unit Wrap Up and Assessment	pp. 146-149		Week 36
* Suggested time per lesson will vary. Recommended instructional minutes for each lesson can be found on page T16 of the California Science Teachers Edition. Additional resources and technology recommended for each lesson can be found on page T12 of the California Science Teachers Edition. Period 2 will be interrupted by Thanksgiving break and Winter break. Week 28 (beginning of Period 4) will overlap STAR Testing window. Unit 1 will occur during and following the STAR Testing window.				

**Grade 4**

		<b>Grade Level Kit</b>	
<b>unit</b>	<b>lesson</b>	<b>Qty</b>	<b>Item Description</b>
<b>Physical</b>			
1	1	1	Balloon, Round 9"
1	3	1	Battery, Size D
1	4	1	Cork, XX, Size 7
1	4	1	Paper Clips, Jumbo
1	6	1	Rubber Bands
1	6	1	Sandpaper, Fine, 9" x 11" Sheet
1	4	1	Straws, Plastic
1	1	1	String, Cotton
1	2	1	Wire, Annunciator, 18 Gauge
1	5	1	Wire, Insulated Copper, 18 Gauge
1	5	1	Battery Holder, w/Fahnestock Clips
1	1	1	Cloth, Wool 4" x 4"
1	1	1	Fabric, Silk
1	2	1	Incandescent Lamp, 1.3 V
1	6	1	Magnet, Bar
1	3	2	Magnet, Bar Alnico w/Marked Poles
1	3	2	Magnet, Donut
1	5	1	Nail, 60D (Spike)
1	4	1	Needles, Metal, Blunt
Intro	Intro	1	Cup, Paper, 2 oz
UA	1	1	Balloon, Round 13"
UA	1	1	Confetti, Paper (approx. 1 cup)
UA	1	1	Cloth, Wool, 12" x 24"
<b>Life</b>			
2	2	2	Bag, Plastic, Zip Lip, 4" x 6"
2	1	1	Pushpin, Plastic
2	2	1	Yeast, 7 g
2	4	1	Acetate Sheets, Colored
2	1	1	Yarn, Red Skein
2	4	1	Cloth, Cotton, Green, 12 x 15"
3	2	1	Rice 1 lb
3	1	1	Rubber Bands
3	4	1	Cards, Index, Blank, 3x5"
3	4	1	Mixed Pond Culture
3	4	3	Dropper, Plastic Disposable 3.5 mL
3	1	1	Bottle, Spray Trigger, 16 oz
3	4	1	Container, plastic, clear 850 mL
3	2	1	Forceps, Plastic
3	2	1	Clothespin, Spring Type

3	4	1	Tape Measure
3	2	1	Chopsticks, Pair
3	2	1	Worms, Plastic
3	4	1	Lid, Metal
3	4	1	Slides, Plastic & Coverglass Set

## Earth

4	3	1	Clay, Modeling, Four Colors
4	2	1	Plates, Paper
4	2	1	Vinegar, 473 mL
4	3	1	Wax Paper
4	3	1	Dowel, Wood, 8" x 1"
4	2	1	Droppers, Plastic
4	1	1	Mineral Collection
4	1	1	Mineral, Hornblende
4	1	1	Mineral, Mica, Pkg/6
4	1	1	Nail
4	1	1	Plate, Streak, Ceramic, 50 mm x 50
4	2	1	Rock Collection
4	3	2	Wood, Block, 7.5cm x12.5cm x3.75cm
UA	4	1	Epsom Salt, 500 g
UA	4	1	Sponge, Polyfoam, 3" x 5" x 1",
UA	4	0	Cup, Measuring
5	1	1	Soap, Ivory, Bar
5	3	0	Clay, Modeling, Four Colors

## Common Items

3	3	1	Cup, Paper, 200 ml
2	4	1	Plastic Wrap
1	1	1	Spoon, Plastic
4	2	1	Bowl, Plastic, Small 20 oz
2	1	1	Hand Lens
UA	2	1	Paper Clips
2	2	1	Ruler, Plastic, Metric & English
UA	3	1	Spoon, Measuring

## Bulk Box

6	1	1	Sand, Fine
2	3	1	Soil, Potting
3	5	3	Pebbles, Gravel
5	1	1	Gravel, Aquarium, 1 kg

Bin