

*Fresno Unified School District
Grade 5 Science Curriculum Map*

Period 1	Lesson	Book References	CA Standard	Suggested Time*
<u>Introductory Unit:</u> Getting Ready for Science	Unit Introduction			Week 1
	1 - What Tools Do Scientists Use?	pp. 1-15	I&E 6.c, 6.f	Week 1
	2 - What Inquiry Skills Do Scientists Use	pp. 16-27	I&E 6.b, 6.c, 6.d, 6.e	Week 2
	3 - How Do Scientists Record and Interpret Data?	pp. 28-39	I&E 6.a, 6.b, 6.d, 6.g	Week 2 & 3
	4 - What Is The Scientific Method?	pp. 40-51	I&E 6.b, 6.c, 6.d, 6.h, 6.i	Week 3
	Unit Wrap-Up & Assessment	pp. 52-55	I&E 6.a, 6.b, 6.c, 6.d, 6.e, 6.f, 6.g, 6.h, 6.i	
<u>Unit 3:</u> The Water Cycle	Unit Introduction			
	1 – How Does Water Move from Earth to the Air and Back Again? (Unit 3)	pp. 222-235	3.a, 3.b, 3.c, 6.h, 6.i	Week 4
	2 – How Do Californians Get the Water They Need?	pp. 236-249	3.e, 6.c, 6.g	Week 5
	3 – How Can People Conserve Water?	pp. 250-261	3.d, 6.d, 6.e	Week 5
	Unit Wrap-Up & Assessment	pp. 262-265	3.a, 3.b, 3.c, 3.d, 3.e,	Week 6
<u>Unit 4:</u> Weather	Unit Introduction			
	1 – How Does Uneven Heating of Earth Affect Weather?	pp. 266-281	4.a, 4.e, 6.b	Week 7
	2 - How Do Oceans and the Water Cycle Affect Weather?	pp. 282-295	4.b, 6.d	Week 8
	3 – How Is Weather Predicted?	pp. 296-307	4.d, 6.g	Week 9
Period 2	Lesson	Book References	CA Standard	Suggested Time*
<u>Unit 4:</u> Weather	4 – What Are The Causes and Effects of Severe Weather?	pp. 308-321	4.c, 6.g	Week 10
	Unit Wrap-Up & Assessment	pp. 322-325	4.a, 4.b, 4.c, 4.d, 4.e,	Week 10
<u>Unit 1:</u> Elements and Compounds	Unit Introduction			Week 11-12
	1 – What Are Atoms and Elements?	pp. 56-73	1.b, 1.d, 1.f, 6.a, 6.b	Week 13
	2 – What Are Metals?	pp. 74-89	1.c, 1.e, 6.g, 6.h	Week 14
	3 – What Are Some Properties of Common Substances?	pp. 90-103	1.g, 1.h, 6.c, 6.g	Week 15-16
	4 - How Are Chemical and Physical Properties Used?	pp. 104-113	1.f, 6.h	Week 16-17
	5 – What Are Chemical Reactions?	pp. 113-131	1.a, 1.i, 6.b, 6.c	Week 18
	Unit Wrap-Up & Assessment	pp. 132-135	1.a, 1.b, 1.c, 1.d, 1.e, 1.f, 1.g, 1.h, 1.i, 6.a, 6.h	

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Period 3	Lesson	Book References	CA Standard	Suggested Time*
Unit 2: Structures of Living Things	Unit Introduction			
	1 – How Do Organisms Transport Materials?	pp. 136-151	2.a, 6.a	Week 19-20
	2 – How Do the Circulatory and Respiratory Systems Work Together?	pp. 152-167	2.b, 6.c, 6.d	Week 20-21
	3 – How Do the Organs of the Digestive System Work Together?	pp. 168-177	2.c, 6.b, 6.g	Week 22
	4 – How Do Plants and Animals Rid Themselves of Waste?	pp. 178-189	2.d, 6.c, 6.g	Week 23
	5 – How Are Materials Transported in Vascular Plants?	pp. 190-201	2.e, 6.b, 6.g	Week 24
	6 – How Do Cells Get the Energy They Need?	pp. 202-215	2.f, 2.g, 6.e	Week 25
	Unit Wrap-Up & Assessment	pp. 216-219	2.a, 2.b, 2.e, 2.f, 2.g, 6.a, 6.g	Week 26
Period 4	Lesson	Book References	CA Standard	Suggested Time*
Unit 5: The Solar System	Unit Introduction			
	1- What Is the Sun?	pp. 326-341	5.a, 6.b	Week 27-28
	2 - What Makes Up the Solar System?	pp. 342-355	5.b, 6.g	Week 28 & 29
	3 - What Holds the Moon and Planets in Place?	pp. 356-371	5.c, 6.i	Week 30
	Unit Wrap-Up & Assessment	pp. 372-375	5.a, 5.b, 5.c, 6.g	Week 31
Environmental Education	Ozone Layer & Hazardous Materials in Natural Systems	pp. 166, 175		Week 32
	Water Cycle and Ecosystem Health & Energy in Ecosystems	pp. 185, 198		Week 33
	Water Pollution & Uses of Water	pp. 248, 260		Week 34
	Human Activities and Cloud Formation	pp. 294		Week 35
	Wildfires in California	p. 321		Week 36
<p>*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 5 will occur during and following the STAR Testing window. Environmental Education will be taught after Unit 5.</p>				

Grade 5

Unit	Lesson	GL Kit Qty	Item Description
1	2	1	Lead (Graphite)
1	2	1	Battery, Size D
1	2	1	Paper Clips
1	2	1	Wire, Annunciator, 18 Gauge
1	4	1	Talc, 500 g, 325 Mesh, Baby Powder
1	4	1	Cornstarch, 500 g, (3 1/2 cups)
1	4	1	Vinegar
1	4	1	Iodine - Iodide (KI) Solution, 100 mL
1	5	1	Epsom Salt, 500 g
1	5	1	Gloves, Disposable Pkg/100
1	5	1	Hydrogen Peroxide, 3%
1	5	1	Ammonia Solution (Household)
1	5	1	Bleach, 100 mL, (Sodium
1	5	1	Food Coloring, Green
1	5	1	Bag, Plastic, Zip Lip, 3" x 4"
1	4	1	Baking Soda
1	3	1	Sugar, 16oz
1	UA1	1	Baking Powder
1	2	1	Battery Holder,w/Fahnestock Clips,
1	2	1	Light Socket, Mini w/Fahn. Clips, Pkg/6
1	2	1	Incandescent Lamp, 1.3 V, w/
1	3	3	Beaker, Poly Disposable, 250 mL
1	4	6	Test Tube, SK, 16 mm x 150 mm, 20
1	4	1	Rack, Test Tube
1	5	1	Spoon, Measuring
1	5	1	Jar, Plastic, Wide-Mouth, 2 oz
1	5	1	Lid, 53 mm, for 2 oz. Jar
1	UA1	1	Cup, Polypropylene Measuring, 8 oz
1	UA1	1	Spoons, Metal Tablespoons
Intro	1	1	Balloon, Round 15"
Intro	1	1	Spring Scale, 500 g/5 N, Dual
Intro	2	1	Canister, Film, Type w/ Snap Cap
Intro	2	1	Marble, 5/8"
Intro	1	1	Ruler, Metric & English
2	4	1	Live Coupon - Elodea(12)
2	3	1	Iodine Lugol's Solution 30ml
2	3	1	Amylase, Lab Grade, 25 g, Powder
2	5	1	Food Coloring, Blue
2	6	1	Bromothymol Blue, 100 mL
2	UA2	1	Seeds, Lima Bean 2 oz
2	1	1	Slides, Plastic & Coverglass Set
2	1	1	Prepared Slide, Frog Skin, wm
2	6	1	Test Tube, Plastic w/Cap, 16x150mm
2	6	1	Funnel, Plastic 67 mm

3	1	1	Clay, Modeling, Cream
3	1	1	Rubber Bands,#33 3-1/2x1/8x1/32"oz
3	1	1	Swab Applicator
3	1	1	Salt, Kosher, 1 lb, Clear
3	3	1	Charcoal Pieces, 16 oz
3	UA3	1	Cotton Balls
3	1	1	Bowl, White, 2 Liters
3	1	1	Jar, 118 mL
3	2	1	Container, Plastic, Clear, w/ Lid
3	2	1	Can, Watering, w/ Sprinkler Head
3	3	1	Funnel, Plastic, 3.25"
4	2	1	Bag, Plastic, Zip Lip, 6" x 8"
4	1	2	Can, Metal, 250 mL w/o Lid
4	2	1	Graduated Cylinder, 100 mL
4	3	1	Weather Chek:Your Complete Weather
5	2	1	Balloon, Round 7"
5	3	1	Ball, Inflatable, 16", Beach Ball
5	3	1	Ball, Table Tennis
1	4	1	Droppers, Plastic
1	5	1	Knives, Plastic
1	5	1	Plastic Wrap, Roll
2	1	1	Food Coloring, Red
Intro	2	1	Filter, Coffee
Intro	2	1	String, Cotton
2	4	1	Cup, Plastic, 300 ml
1	UA1	1	Salt, Non-Iodized
2	6	1	Cup, Plastic 9oz
1	UA1	2	Thermometer
Intro	3	1	Stopwatch
Intro	1	0	Hand Lens
Intro	1	0	Tape Measure
Intro	4	1	Straws, Plastic
1	3	1	Spoons, Plastic
2	UA2	1	Soil, Potting 8lbs
3	UA3	1	Sand, Coarse, 2.5kg
3	2	1	Gravel, Aquarium, 1 kg
3	2	1	Sand, Fine, 2.5 kg
3	3	1	Pebbles, Gravel, 2.5kg
3	2	1	Soil, Clay, 2.5 kg

Bin