

## Grade Four Core Investigations

UNIT	INVESTIGATION	RESOURCES	TEKS
<b>Unit One (One Week)</b>			
<b>Procedures and Lab Safety</b>	1. Set Up Notebook for Academic Year	Lesson in D2SC	4.2A
	2. Pendulum Activity	Lesson in D2SC	4.2A
	3. Lab Procedures/Expectations	Lesson in D2SC	4.2A
<b>Unit Two (One Week)</b>			
<b>Properties of Matter</b>	1. Solids, Liquids, Gas (foldable)	Lesson in D2SC	4.7B
		<b>Using Tools to Explore Matter Kit</b>	
	2. That Sinking Feeling	Using Tools to Explore Matter Kit - Engage pp. 3-7	4.7B
	3. That Sinking Feeling (Stations 1-4)	Using Tools to Explore Matter Kit - Explore (A) pp.8-13	4.7B
<b>Unit Three (One Week)</b>			
		<b>Light and Optics Kit</b>	
<b>Patterns, Change, and Energy</b>	1. Light Travels	Light and Optics Kit - Engage p. 3	4.6A
	2. Light Bounces	Light and Optics Kit - Explore pp. 4-5	4.6B
	3. Symmetry	Light and Optics Kit - Elaborate pp. 8-10	4.6C
	4. Investigate What Make Water Disappear	Textbook – Chapter 6 Topic 2 pp. 383	4.7A
	5. Heat Reduction Addition Experiment	Lesson in D2SC	4.7A
<b>Unit Four (Eight Weeks)</b>			
<b>Systems, Force and Energy</b>	1. Discussing Non-Living Systems	Textbook – p. R19 in the “Handbook” section in the back, Lesson in D2SC	4.5 A,B
		<b>FOSS – Magnetism and Electricity Module</b>	4.5 A,B; 4.7 B
	2. The Force – Investigating Magnets and Materials	FOSS – Investigation 1 Part 1	4.5 A,B; 4.7 B
	3. Investigating More Magnet Properties	FOSS – Investigation 1 Part 2	4.5 A,B; 4.7 B
	4. Making the Connection – Lighting a Bulb	FOSS – Investigation 2 Part 1	4.5 A,B; 4.7 B
	5. Making a Motor Run	FOSS – Investigation 2 Part 2	4.5 A,B; 4.7 B
	6. Finding Insulator and Conductors	FOSS – Investigation 2 Part 3	4.5 A,B; 4.7 B
	7. Making Parallel and Series Circuit	“Huge Circuit” activity in D2SC and FOSS – Investigation 3 Part 1	4.5 A,B; 4.7 B
	8. Current Attractions – Building an Electromagnet	FOSS – Investigation 4 Part 1	4.5 A,B; 4.7 B
	9. Changing The Number of Winds	FOSS – Investigation 4 Part 2	4.5 A,B; 4.7 B

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<b>Unit Five (Twelve Weeks)</b>			
<b>Changes Over Time</b>		<b>Delta Science Modules (DSM)</b>	
	1. Weathering	DSM – Activity 1	4.10A
	2. Roots of Erosion	DSM – Activity 3	4.2B, 4.5A, 4.5B, 4.11A
	3. Erosion	DSM – Activity 2	4.10A, 4.11A
	4. Is it Inclined to Erode?	DSM – Activity 5	4.10A
	5. Shoreline Erosion	DSM – Activity 10	4.3C/D, 4.10 A, 4.11B
	6. Wind Erosion - * discuss how the Sun plays a role in the creation of wind (Brainpop video)	DSM – Activity 11	4.1 A,B; 4.10 A, 4.11C
	7. Rock Races	DSM – Activity 4	4.10 A, 4.11A
	8. River Sediment	DSM – Activity 9	4.10 A
	9. Water In, Water Out - * discuss texture of soils and infer which type of soil will best support life	DSM – Activity 7	4.10A
10. Erosion and Glaciers	DSM – Activity 12	4.10 A, B	
<b>Unit Six (Ten Weeks)</b>			
<b>Natural World</b>		<b>FOSS – Structures of Life</b>	
	1. Seed Search	Investigation 1 Part 1	4.5
	2. The Sprouting Seed	Investigation 1 Part 2	4.11C
	3. Hydroponics	Investigation 2 Part 2	4.10A
	5. Soil Types- Plant Growth, Water Retention Activity	Activity Sheet – Textbook pp. 407, 411	4.10A, 4.11A🍏
	6. Inherited Traits of Plants	Lesson in D2SC	4.9A🍏
	7. Life Cycles of Plants	Textbook pp 4-5	4.11C🍏
	8. Meet the Crayfish	Investigation 3 Part 1	4.8A, B
	9. Crayfish Habitat	Investigation 3 Part 2	4.8A, B
	10. Crayfish at Home	Investigation 3 Part 3	4.8A, B
	11. Land Snails at Home	Investigation 4 Part 1	4.8A, B
	12. Comparing Crayfish and Snails	Investigation 4 Part 2	4.8A, B
	13. The Snail Pull	Investigation 4 Part 3	4.8A, B
	14. Inherited vs. Learned Characteristics	Activity Sheet – Inherited vs. Learned Characteristics	4.9A, B🍏
	15. Compare Species of the Past to the Present	Textbook pp 38-41	4.8 C, 4.10 B🍏

