

Grade Three Core Investigations 🍏

UNIT	INVESTIGATION	RESOURCES	TEKS
Unit One (One Week)			
Procedures and Lab Safety	1. Set Up Notebook for Academic Year	Lesson in D2SC (Illustration/Journal Box, Graph Paper, and Venn Diagram found in D2SC)	3.2A 🍏
	2. Pendulum Activity	Lesson in D2SC	3.2A 🍏
	3. Lab Procedures/Expectations	Lesson in D2SC	3.2A 🍏
Unit Two (One Week)			
Properties of Matter		PASS Bridging II TAKS—Grade 3 Matter and Magnetism	
	1. The Property Game and Mystery Film Cans	Matter and Magnetism—Engage pp. 3-8	3.7A,B
	2. Open Mystery Film Cans and Classify	Matter and Magnetism—Explore pp. 9-11	3.7A,B
	3. Explain Classification and States of Matter Property Card	Matter and Magnetism—Explain pp. 12-13; pp.25-26 Unit 1 Core Investigation 3 (Solid vs. Liquid Venn Diagram) in D2SC	3.7A,B 🍏
	4. Magnet Matters	Matter and Magnetism—Elaborate Stations 1-6 pp. 27-38 Textbook—Chapter 5 Topic 3 pp.154-155	3.7A,B
	5. Matter and Magnetism Wrap Up	Matter and Magnetism—Evaluate pp. 45-48	3.7A,B
Unit Three (One Week)			
Earth and Space Energy	1. Characteristics of the Sun—sunspots, solar flares and solar storms.	Textbook—Chapter 8 Topic 4 pp. 226-231 and Refer to Lesson in Light and Optics kit titled <i>Twirly Whirly Sunspots</i> TE p.17 item 12. Unit 3 Core Investigation 1A and 1B. (Science Notebook Activity—Zones of the Sun Activity) in D2SC. Unit 3 Core Investigation 2 Activity 1 and 2. (Science Notebook Activity—Acrostic and Baseball Card Template.)	3.11 D 🍏
	2. Sun Energy	Textbook—Chapter 8 Topic 4 p. 230 & 233 Refer to Lesson in kit titled <i>Racing Radiometers</i> TE p. 7-9 (see Master A-B)	3.11 D
	3. Ordinal Placement of Planets in relation to the Sun	Textbook—Chapter 8 Topic 5 pp. 236-237 Refer to Shake and Learn Science song: <i>Planets</i> . In D2SC use resource links found for TEK titled Unit 3 Core Investigation 3 Activity 1A and 1B. Science Notebook Activity found in D2SC titled Unit 3 Core Investigation 3 Activity 2.	3.11C 🍏

Unit Four (Eight Weeks)

Unit Four (Eight Weeks)			
		FOSS—Water Module	
Natural Resources	1. Looking At Water	FOSS—Investigation 1 Part 1 Unit 4 Core Investigation 1 Activity 1 (Science Notebook circle map) in D2SC Unit 4 Core Investigation 1 Activity 2 (Science Notebook Acrostic) in D2SC	3.11A 🍏
	2. Surface Tension	FOSS—Investigation 1 Part 2 Science Notebook Illustration/Journal Box found on D2SC Unit 1 Core Investigation 1 (Illustration Box)	3.11A 🍏
	3. Water on a Slope	FOSS—Investigation 1 Part 3	3.11A
	4. Build a Thermometer	FOSS—Investigation 2 Part 1 Science Notebook Illustration/Journal Box found in D2SC Unit 1 Core Investigation 1 (Illustration Box)	3.7A 🍏
	5. Sinking and Floating Water	FOSS—Investigation 2 Part 2	3.7A
	6. Water as Ice	FOSS—Investigation 2 Part 3 Science Notebook Illustration/Journal Box found in D2SC Unit 1 Core Investigation 1 (Illustration Box)	3.7A,B 🍏
	7. Evaporation	FOSS—Investigation 3 Part 1 Science Notebook Graph Paper found in D2SC Unit 1 Core Investigation 1 (Graph Paper)	3.11A 🍏
	8. Evaporation Locations	FOSS—Investigation 3 Part 2	3.7 B; 3.11A 🍏
	9. Surface Area	FOSS—Investigation 3 Part 3 Science Notebook Illustration/Journal Box found in D2SC Unit 1 Core Investigation 1 (Illustration Box)	3.7 B; 3.11A 🍏
	10. Water in Earth Materials	FOSS—Investigation 4 Part1 Science Notebook Illustration/Journal Box found in D2SC Unit 1 Core Investigation 1 (Illustration Box)	3.11B 🍏
	11. Waterwheels	FOSS—Investigation 4 Part 2 Science Notebook Illustration/Journal Box found in D2SC Unit 1 Core Investigation 1 (Illustration Box)	3.5A,B 🍏
	12. Water from Home	FOSS—Investigation 4 Part 3	3.11A
	13. The Water Cycle	Lesson in D2SC titled Unit 4 Core Investigation 13 Unit 4 Core Investigation 13 Activity 2 (Science Notebook graphic to cut and glue) in D2SC	3.5B 🍏
	14. How Natural Forces change the Earth's surface	Textbook—Chapter 9 Topic 2 p.222, 276-285	3.6B
	15. Renewable, Nonrenewable, and Inexhaustible Resources	Lesson in D2SC titled Unit 4 Core Investigation 15	3.11A 🍏

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Unit Five (Twelve Weeks)			
Force and Motion		Insights: Lifting Heavy Things	
	1. Making Work Easier	Learning Experience 1 Textbook—Chapter 4 Topic 4 pp. 98-103 Unit 5 Core Investigation 1 Activity 1(Work Acrostic) in D2SC Unit 5 Core Investigation 1 Activity 2(Simple Machines Circle Map) in D2SC	3.5A 🍏
	2. How Do Levers Work?	Learning Experience 2 Textbook—Chapter 4 Topic 5 pp. 109-110 Unit 5 Core Investigation 2 (Lever Circle Map) in D2SC	3.5A,B 🍏 3.6A
	3. How Do Levers Make Work Easier?	Learning Experience 3 Unit 5 Core Investigation 3 Activity 1(Lever Acrostic) in D2SC Unit 5 Core Investigation 3 Activity 2(Wheel and Axle Circle Map) in D2SC	3.5A,B 🍏 3.6A
	4. What Is an Inclined Plane?	Learning Experience 4 Textbook—Chapter 4 Topic 6 pp. 116-118 Unit 5 Core Investigation 4 (Inclined Planes Circle Map) in D2SC	3.5A,B 🍏 3.6A
	5. What Kind of Inclined Planes Makes Work Easier?	Learning Experience 5 Textbook—Chapter 4 Topic 6 p. 117 Unit 5 Core Investigation 5 Activity 1(Screw Acrostic) in D2SC Unit 5 Core Investigation 5 Activity 2(Screws Circle Map) in D2SC Unit 5 Core Investigation 5 Activity 3(Wedge Acrostic) in D2SC Unit 5 Core Investigation 5 Activity 4(Wedges Circle Map) in D2SC	3.5A,B 🍏 3.6A
	6. An Introduction to Pulleys	Learning Experience 6 Textbook—Chapter 4 Topic 5 pp. 112-113 Unit 5 Core Investigation 6(Pulleys Circle Map) in D2SC	3.5A,B 🍏 3.6A
	7. Using More Than One Pulley	Learning Experience 7 Unit 5 Core Investigation 7(Pulley Acrostic)	3.5A,B 🍏 3.6A
	8. Building with Simple Machines (Final Performance Assessment)	Learning Experience 8 Unit 5 Core Investigation 8(Sketching Simple Machines at Work) in D2SC	3.5A,B 🍏 3.6A
	9. Simple Machines Scavenger Hunt	Learning Experience 9 Unit 5 Core Investigation 9(Which Machine Is It?) in D2SC	3.5A,B 🍏 3.6A
	10. Forces in Motion	Textbook—Chapter 3 Topic 2 pp. 76-85 On D2SC use resource links found for TEK titled Unit 5 Core Investigation 10 Unit 5 Core Investigation 10 Activity 1(Motion Acrostic) in D2SC. Unit 5 Core Investigation 10 Activity 2(Energy Acrostic) in D2SC	3.6A 🍏
	11. Gravity	Textbook—Chapter 3 Topic 2 pp. 80-83	3.6A
12. Friction	Textbook—Chapter 3 Topic 3 pp. 86-95 On D2SC use resource link titled Unit 5 Core Investigation 12 Activity 1A and 1B.	3.6A 🍏	

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UNIT	INVESTIGATION	RESOURCES	TEKS
Unit Six (Twelve Weeks)			
Natural World		NSRC Animal Studies	
	1. Food Webs—Food Chains	Textbook—Chapter 11 Topic 2 pp. 332-341; Diagram Builders TR17-TR21 (in back of textbook). On D2SC use resource links found for TEK titled Unit 6 Core Investigation 1 Activities 1 and 2. On D2SC use resource titled Unit 6 - Core Investigation 1 - Activity 3 (Food webs and chains)	3.5B 🍏
	2. Adaptation	Textbook—Chapter 12 Topic 5 pp. 362-371 On D2SC use resource titled Unit 6 - Core Investigation 2 - Activity 1 – (Adaptation Vocabulary Activity) On D2SC use resource titled Unit 6 - Core Investigation 2 - Activity 2 – (Describing Adaptations). On D2SC use resource titled Unit 6 - Core Investigation 2 - Activity 3 – (Researching Animal Adaptations) On D2SC use resource titled Unit 6 - Core Investigation 2 - Activity 4 – (Physical & Behavioral Adaptations)	3.9A,B 🍏
	3. Inherited Traits, Learned Characteristics	Textbook—Chapter 1 Topic 3 pg. 28 On D2SC use resource titled Unit 6 - Core Investigation 3 - Activity 1 – (Inherited Traits of Plants and Animals)	3.10B 🍏
	4. Inherited Traits of Plants	Lesson in D2SC titled Unit 6 Core Investigation 4	3.10A 🍏
	5. Thinking about Animals and Their Homes	Lesson 1 On D2SC use resource titled Unit 6 - Core Investigation 5 - Activity 1 – (Habitat Vocabulary Activity)	3.8A,B 🍏
	6. Inviting Animals into the Classroom	Lesson 2 Textbook—Chapter 11 Topic 1 pp. 322-331	3.8A
	7. Living in Water: Dwarf African Frogs	Lesson 3 On D2SC use resource link titled Unit 6 Core Investigation 7.	3.8A 🍏
	8. Observing the Frogs More Closely	Lesson 4 On D2SC use resource titled Unit 6 - Core Investigation 8 - Activity 1 – (Frogs observation sheets)	3.8A,B 🍏
	9. Living Where Land and Water Meet: Fiddler Crabs	Lesson 5	3.8A,B
	10. Observing the Fiddler Crabs More Closely	Lesson 6 On D2SC use resource titled Unit 6 - Core Investigation 10 - Activity 1 – (Crabs observation sheets)	3.8A,B 🍏
	11. Observing the Behavior of the Frogs and Crabs	Lesson 7	3.8A,B
12. Living on Land: Snails	Lesson 8	3.8A 🍏	

		On D2SC use resource link titled Unit 6 Core Investigation 12	
13. Observing the Land Snails More Closely		Lesson 9 On D2SC use resource titled Unit 6 - Core Investigation 13 - Activity 1 – (Snails observation sheets)	3.8,B🍏
14. How Do the Animals Respond to a Change in Their Habitats?		Lesson 10 Textbook—Chapter 11 Topic 6 pp. 372-380 On D2SC use resource link titled Unit 6 Core Investigation 14 Activities 1A and 1B.	3.8C,D🍏
15. Observing Humans Closely		Lesson 11	3.8A,B
16. Researching Animal Behavior		Lesson 12 On D2SC use resource titled Unit 6 - Core Investigation 16 - Activity 1 – (Habitats - Animal Behavior)	3.8A,B,C,D🍏 3.9A,B
17. Part 1 & 2: What Makes an Animal Special?		Lesson 13 & 14 Textbook—refer back to Core Investigation 2	3.9A,B🍏
18. There's No Place Like Home		Lesson 15	3.8D