



CORRELATION TO

Texas Essential Knowledge and Skills *for*  
**SCIENCE**

**FOSS Texas • Grade 2**

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)				
<b>Publisher</b>	<b>Delta Education LLC</b>			
<b>Program Title</b>	<b>Grade 2 FOSS (Full Option Science System) Texas Edition, English Print</b>			
<b>Program Components</b>	<b>FOSS Balance and Motion Investigations Guide</b> <b>FOSS Air, Weather and Earth Investigations Guide</b> <b>FOSS Insects and Plants Investigations Guide</b>			
<b>Knowledge and Skills Statement</b>				
<b>2.1.Scientific Investigation and Reasoning.</b> The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:				
<b>2.1.A:</b> recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately				
Module Title	Investigation and Part	Component	Page (s)	Specific Location
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish	Active Investigation	24, 44-53	24: all; 49: step 1
	Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation	24, 60-67	24: all; 63: step 8
	Inv. 1: Balance, Part 4: Mobiles	Active Investigation	24, 68-75	24: all; 71: step 3
	Inv. 2: Spinners, Part 1: Tops	Active Investigation	24, 88-95	24: all; 91: steps 1-7
	Inv. 2: Spinners, Part 2: Zoomers	Active Investigation	24, 96-102	24: all; 101: step 6
	Inv. 2: Spinners, Part 3: Twirlers	Active Investigation	24, 103-113	24: all; 108: step 7; 110: step 16
	Inv. 3: Rollers, Part 1: Rolling Wheels	Active Investigation	24, 124-131	24: all; 127: steps 1-12
	Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation	24, 132-139	24: all; 134: steps 1-6
	Inv. 3: Rollers, Part 4: Rolling Outdoors	Active Investigation	24, 148-154	24: all; 151: step 3
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	24, 166-174	24: all; 170: steps 1-11
		I-Check 1	202	Item 4
		Performance Assessment	223	Performance Assessment, Station 1
			224	Performance Assessment, Station 2
			225	Performance Assessment, Station 3
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 1: Air is There	Active Investigation	26, 48-56	26: all; 53: steps 1, 4
	Inv. 1: Exploring Air, Part 2: Parachutes	Active Investigation	26, 57-65	26: all; 62: step 7
	Inv. 1: Exploring Air, Part 3: Pushing on Air	Active Investigation	26, 66-73	26: all; 69: step 1; 70: step 7
	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	26, 74-82	26: all; 78: step 7; 79: step 11
	Inv. 1: Exploring Air, Part 5: Balloon Rockets	Active Investigation	26, 83-87	26: all; 86: step 4

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	Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 3: Watching Clouds	Active Investigation Active Investigation	26, 105-112 26, 113-120	26: all; 109: step 5 26: all; 117: step 7
	Inv. 3: Wind Explorations, Part 1: Bubbles in the Wind Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 4: Wind Vanes	Active Investigation Active Investigation Active Investigation	26, 140-143 26, 149-153 26, 154-162	26: all; 142: steps 5, 7 26: all; 152: steps 3-6 26: all; 160: step 13; 161: step 15
	Inv. 4: Looking for Change, Part 1: Weather Graphs Inv. 4: Looking for Change, Part 2: Observing the Moon	Active Investigation Active Investigation	26, 178-182 26, 183-190	26: all; 180: steps 1-4 26: all; 186: step 2
	Inv. 5: Properties of Matter, Part 2: Start a Rock Collection Inv. 5: Properties of Matter, Part 4: Changing Properties Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation Active Investigation	26, 218-225 26, 232-240 26, 247-252	26: all; 221: steps 4-6, 8, 11 26: all; 235: steps 3-5 26: all; 250: steps 3-7
		Performance Assessment	303 304	Performance Assessment, Station 1 Performance Assessment, Station 2
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation Active Investigation	26, 50-62 26, 63-74	26: all; 57: step 1; 58: step 4 26: all; 66: steps 1-11
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth Inv. 2: Brassica Seeds, Part 4: Planting Outdoors	Active Investigation Active Investigation	26, 105-113 26, 121-127	26: all; 108: steps 1-11 26: all; 124: step 4
	Inv. 3: Milkweed Bugs, Part 1: Eggs Inv. 3: Milkweed Bugs, Part 4: Insect Search	Active Investigation Active Investigation	26, 140-144 26, 165-173	26: all; 143: step 1 26: all; 168: steps 4-6
	Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation	26, 211-217	26: all; 214: step 5
	Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation	26, 250-257	26: all; 255: step 7
		I-Check 1 Performance Assessment	270 301 302	Item 1 Performance Assessment, Station 1 Performance Assessment, Station 2
		Science Safety Poster Student Resources Book  Outdoor Safety Poster Student Resources Book  Poster set, <i>Conservation</i> (4/set)	26 SRB 248  26 SRB 249   	26: all <i>Science Safety Rules</i> All Grade 2 IGS: Inv. 1: Part 1, Step 26: all <i>Outdoor Safety Rules</i> <i>Balance and Motion</i> : Inv. 1: Part 3, Step 18 <i>Air, Weather and Earth</i> : Inv. 1: Part 2, Step 7 <i>Insects and Plants</i> : Inv. 2, Part 4, Step 4 <i>Balance and Motion</i> : Inv. 1: Part 1, Step 1 <i>Air, Weather and Earth</i> : Inv. 1: Part 1, Step 1 <i>Insects and Plants</i> : Inv. 1, Part 1, Step 1
<b>2.1.B:</b> describe the importance of safe practices; and				

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<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish	Active Investigation	24, 44-53	24: all; 49: step 1
	Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation	24, 60-67	24: all; 63: step 8; 66: step 18
	Inv. 1: Balance, Part 4: Mobiles	Active Investigation	24, 68-75	24: all; 71: step 3
	Inv. 2: Spinners, Part 1: Tops	Active Investigation	24, 88-95	24: all; 91: steps 1-7
	Inv. 2: Spinners, Part 2: Zoomers	Active Investigation	24, 96-102	24: all; 101: step 6
	Inv. 2: Spinners, Part 3: Twirlers	Active Investigation	24, 103-113	24: all; 108: step 7; 110: step 16
	Inv. 3: Rollers, Part 1: Rolling Wheels	Active Investigation	24, 124-131	24: all; 127: steps 1-12
	Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation	24, 132-139	24: all; 134: steps 1-6
	Inv. 3: Rollers, Part 4: Rolling Outdoors	Active Investigation	24, 148-154	24: all; 151: step 3
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	24, 166-174	24: all; 170: steps 1-11
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 1: Air is There	Active Investigation	26, 48-56	26: all; 53: steps 1, 4
	Inv. 1: Exploring Air, Part 2: Parachutes	Active Investigation	26, 57-65	26: all; 62: step 7
	Inv. 1: Exploring Air, Part 3: Pushing on Air	Active Investigation	26, 66-73	26: all; 69: step 1; 70: step 7
	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	26, 74-82	26: all; 78: step 7; 79: step 11
	Inv. 1: Exploring Air, Part 5: Balloon Rockets	Active Investigation	26, 83-87	26: all; 86: step 4
	Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation	26, 105-112	26: all; 109: step 5
	Inv. 3: Wind Explorations, Part 3: Pinwheels	Active Investigation	26, 149-153	26: all; 152: steps 3-6
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	26, 178-182	26: all; 180: steps 1-4
	Inv. 5: Properties of Matter, Part 2: Start a Rock Collection	Active Investigation	26, 218-225	26: all; 221: steps 4-6
	Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation	26, 247-252	26: all; 250: steps 3-7
		Performance Assessment	304	Performance Assessment, Station 2
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms	Active Investigation	26, 50-62	26: all; 57: step 1; 58: step 4
	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation	26, 63-74	26: all; 66: steps 1-11
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation	26, 105-113	26: all; 108: steps 1-11
	Inv. 2: Brassica Seeds, Part 4: Planting Outdoors	Active Investigation	26, 121-127	26: all; 124: step 4
	Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation	26, 211-217	26: all; 214: step 5
Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation	226, 250-257	26: all; 255: step 7	
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**2.1.C:** identify and demonstrate how to use, conserve, and dispose of natural resources and materials such as conserving water and reuse or recycling of paper, plastic and metal.

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<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation Active Investigation	24, 44-53 24, 60-67	24: all; 49: step 1 24: all; 63: step 8; 64: step 13
	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers	Active Investigation Active Investigation	24, 88-95 24, 96-102	24: all; 91: steps 1-7 24: all; 101: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation Active Investigation	24, 124-131 24, 132-139	24: all; 127: steps 1-12 24: all; 134: steps 1-6
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	24, 166-174	24: all; 170: steps 1-11
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 1: Air is There Inv. 1: Exploring Air, Part 4: Air and Water Inv. 1: Exploring Air, Part 5: Balloon Rockets	Active Investigation Active Investigation Active Investigation	26, 48-56 26, 74-82 26, 83-87	26: all; 53: step 1 26: all; 78: steps 7-12 26: all; 87: step 9
	Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation	26, 105-112	26: all; 109: step 5
	Inv. 3: Wind Explorations, Part 3: Pinwheels	Active Investigation	26, 149-153	26: all; 152: steps 3-6
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	26, 178-182	26: all; 180: steps 1-4
	Inv. 5: Properties of Matter, Part 2: Start a Rock Collection Inv. 5: Properties of Matter, Part 5: Natural Resources  Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation Student Resources Book  Active Investigation	26, 218-225 26, 241-246 SRB 147-163  26, 247-252	26: all; 223: step 10 26: all; 243: steps 3-4, 6-9 <i>Resources</i> IG 243: steps 1-2 26: all; 250: steps 3-7
		I-Check 1 Performance Assessment	266 304	Item 1 Performance Assessment, Station 2
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation Active Investigation	26, 50-62 26, 63-74	26: all; 57: step 1 26: all; 66: steps 1-11
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth Inv. 2: Brassica Seeds, Part 3: Plant Life Cycle  Inv. 2: Brassica Seeds, Part 4: Planting Outdoors	Active Investigation Active Investigation Home/School Connection Active Investigation	26, 105-113 26, 114-120  26, 121-127	26: all; 108: steps 1-11 26: all; 117: step 4 120: step 15 26: all; 126: step 13
	Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs Inv. 3: Milkweed Bugs, Part 4: Insect Search	Active Investigation Active Investigation	26, 156-164 26, 165-173	26: all; 164: step 16 26: all; 170: step 11
	Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation	26, 211-217	26: all; 215: steps 7-8; 217: steps 12-14
	Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation	26, 250-257	26: all; 255: step 10

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**2.2.Scientific Investigation and Reasoning.**

The student develops abilities to do scientific inquiry in classroom and outdoor investigations. The student is expected to:

**2.2.A:** ask questions about organisms, objects, and events during observations and investigations;

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<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish	Active Investigation	44-53	49: steps 2-10
	Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation	60-67	62: steps 1-9
	Inv. 2: Spinners, Part 1: Tops	Active Investigation	88-95	91: steps 1-7
	Inv. 2: Spinners, Part 2: Zoomers	Active Investigation	96-102 103-113	100: steps 1-6 108: step 9
	Inv. 3: Rollers, Part 1: Rolling Wheels	Active Investigation	124-131	127: steps 1-12
	Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation	132-139	134: step 4
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	166-174	170: steps 1-11
		I-Check 4 Performance Assessment	218 223	Item 1 Performance Assessment, Station 1
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 2: Parachutes	Active Investigation	57-65	62: step 8
	Inv. 1: Exploring Air, Part 4: Air and Water Inv. 1: Exploring Air, Part 5: Balloon Rockets	Active Investigation Active Investigation	74-82 83-87	78: steps 7-12 86: step 5
	Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation	105-112	108: steps 1-12
	Inv. 2: Observing Weather, Part 3: Watching Clouds	Active Investigation	113-120	116: step 4
	Inv. 3: Wind Explorations, Part 3: Pinwheels	Active Investigation	149-153	152: steps 3-6
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	178-182	180: steps 1-6, 9-11
	Inv. 4: Looking for Change, Part 2: Observing the Moon	Active Investigation	183-190	187: step 7
	Inv. 5: Properties of Matter, Part 2: Start a Rock Collection	Active Investigation	218-225	222: step 7
	Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation	247-252	250: steps 3-7
		I-Check 1	266	Item 3
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation	63-74	69: step 12
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth Inv. 2: Brassica Seeds, Part 3: Plant Life Cycle	Active Investigation Active Investigation	105-113 114-120	108: step 2; 110: step 7; 111: step 9; 112: step 12
	Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs	Active Investigation	156-164	158: step 2

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	Inv. 4: Silkworms, Part 1: Eggs and Larvae Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Active Investigation	186-192 211-217	190: step 7 216: step 9
	Inv. 5: Butterflies, Part 1: Caterpillars Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation Active Investigation	230-235 250-257	232: step 3 254: steps 4-11
		I-Check 3 Performance Assessment	282 301	Item 2 Performance Assessment, Station 1
<b>2.2.B: plan and conduct simple descriptive investigations such as how organisms grow;</b>				
Module Title	Investigation and Part	Component	Page (s)	Specific Location
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish	Active Investigation	44-53	49: steps 2-10
	Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation	60-67	62: steps 1-9
	Inv. 2: Spinners, Part 1: Tops	Active Investigation	88-95	91: steps 1-7
	Inv. 2: Spinners, Part 2: Zoomers	Active Investigation	96-102	100: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels	Active Investigation	124-131	127: steps 1-12
	Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation	132-139	134: steps 1-6
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	166-174	170: steps 1-11
		Performance Assessment	223 224	Performance Assessment, Station 1 Performance Assessment, Station 2
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	74-82	78: steps 7-12
	Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation	105-112	108: steps 1-12
	Inv. 3: Wind Explorations, Part 3: Pinwheels	Active Investigation	149-153	152: steps 3-6
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	178-182	180: steps 1-6, 9-11
	Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation	247-252	250: steps 3-7
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation	63-74	66: steps 1-11
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation	105-113	108: steps 1-11
	Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Home/School Connection	211-217	214: steps 1-8 217: step 18
	Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation	250-257	254: steps 4-11
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2.2.C: collect data from observations using simple equipment such as hand lenses, primary balances, thermometers and non-standard measurement tools;				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation Active Investigation	44-53 60-67	49: steps 2-10 62: steps 1-9
	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers Inv. 2: Spinners, Part 3: Twirlers	Active Investigation Active Investigation	88-95 96-102 103-113	91: steps 1-7 100: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation Active Investigation	124-131 132-139	127: steps 1-12 134: steps 1-6
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	166-174	170: steps 1-11
		Performance Assessment	223	Performance Assessment, Station 1
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	74-82	78: steps 7-12
	Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 4: Measuring Rainfall	Active Investigation Active Investigation	105-112 121-127	108: steps 1-12 123: steps 2-5
	Inv. 3: Wind Explorations, Part 2: Wind Speed Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 4: Wind Vanes	Active Investigation Active Investigation Active Investigation	144-148 149-153 154-162	146: steps 4-9 152: steps 3-6 158: step 5; 160: step 13
	Inv. 4: Looking for Change, Part 1: Weather Graphs Inv. 4: Looking for Change, Part 2: Observing the Moon	Active Investigation Active Investigation	178-182 183-190	180: steps 1-6, 9-11
	Inv. 5: Properties of Matter, Part 1: First Sorting Inv. 5: Properties of Matter, Part 3: Sorting Activities Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation Active Investigation	212-217 226-231 247-252	215: steps 6-7 228: step 3; 230: step 6 250: steps 3-7
			I-Check 2 Performance Assessment	274 303 304
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult Inv. 1: Mealworms, Part 3: Life Cycle	Active Investigation Active Investigation Active Investigation	50-62 63-74 75-79	58: step 6; 61: step 16 66: steps 1-11 77: steps 1-4
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth Inv. 2: Brassica Seeds, Part 4: Planting Outdoors	Active Investigation Active Investigation	105-113 121-127	108: steps 1-11 125: steps 5-15



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	Inv. 3: Milkweed Bugs, Part 1: Eggs Inv. 3: Milkweed Bugs, Part 2: Habitats Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs Inv. 3: Milkweed Bugs, Part 4: Insect Search	Active Investigation Active Investigation Active Investigation Active Investigation	140-144 145-155 156-164 165-173	143: step 2 152: steps 7-12 158: steps 1-8 168: step 5
	Inv. 4: Silkworms, Part 1: Eggs and Larvae Inv. 4: Silkworms, Part 2: Silkworm Structures Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Active Investigation Active Investigation	186-192 193-203 211-217	189: steps 2-11 196: steps 4-6 215: step 6; 216: step 10; 217: step 13
	Inv. 5: Butterflies, Part 1: Caterpillars Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation Active Investigation	230-235 250-257	234: step 10 255: step 8-9; 257: step 13
		I-Check 1 I-Check 5 Performance Assessment	270 296 301 302	Item 5 Item 3 Performance Assessment, Station 1 Performance Assessment, Station 2
<b>2.2.D: record and organize data using pictures, numbers, and words;</b>				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 2: Triangle and Arch Inv. 1: Balance, Part 3: The Pencil Challenge Inv. 1: Balance, Part 4: Mobiles	Active Investigation Active Investigation Active Investigation Active Investigation	44-53 54-59 60-67 68-75	52: steps 14-15 57: step 9 64: step 14 72: step 8; 74: step 15; 75: step 20
	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers Inv. 2: Spinners, Part 3: Twirlers	Active Investigation Active Investigation Active Investigation	88-95 96-102 103-113	92: step 7 101: step 9 110: step 14
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups Inv. 3: Rollers, Part 3: Rolling Spheres Inv. 3: Rollers, Part 4: Rolling Outdoors	Active Investigation Active Investigation Active Investigation Active Investigation	124-131 132-139 140-147 148-154	128: step 9; 130: step 16 137: step 14 146: step 16 153: step 10
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations Inv. 4: Back and Forth, Part 2: Length and Pitch Inv. 4: Back and Forth, Part 3: Outdoor Sounds	Active Investigation Active Investigation Active Investigation	166-174 175-184 185-190	174: step 14 181: step 11; 182: step 16; 183: step 20 188: step 8
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<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 1: Air is There Inv. 1: Exploring Air, Part 2: Parachutes Inv. 1: Exploring Air, Part 4: Air and Water  Inv. 1: Exploring Air, Part 5: Balloon Rockets	Active Investigation Active Investigation Active Investigation Home/School Connection Active Investigation	48-56 57-65 74-82  83-87	55: step 10 62: step 8 81: step 21 82: step 24 87: step 8
	Inv. 2: Observing Weather, Part 1: Weather Calendars Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 3: Watching Clouds Inv. 2: Observing Weather, Part 4: Measuring Rainfall	Active Investigation Active Investigation Active Investigation Active Investigation	98-104 105-112 113-120 121-127	104: step 11 111: step 12; 112: step 16 117: step 8; 119: step 14 124: step 8; 126: step 16
	Inv. 3: Wind Explorations, Part 2: Wind Speed Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 4: Wind Vanes Inv. 3: Wind Explorations, Part 5: Kites	Active Investigation Active Investigation Active Investigation Math Extension	144-148 149-153 154-162 163-167	147: step 11 153: step 11 159: step 10 167: step 12
	Inv. 4: Looking for Change, Part 1: Weather Graphs Inv. 4: Looking for Change, Part 2: Observing the Moon Inv. 4: Looking for Change, Part 3: Comparing the Seasons	Active Investigation Active Investigation Active Investigation	178-182 183-190 191-199	180: steps 4, 6-7 188: steps 10-13; 190: step 17 197: step 8
	Inv. 5: Properties of Matter, Part 1: First Sorting Inv. 5: Properties of Matter, Part 2: Start a Rock Collection Inv. 5: Properties of Matter, Part 3: Sorting Activities Inv. 5: Properties of Matter, Part 4: Changing Properties Inv. 5: Properties of Matter, Part 5: Natural Resources Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation Active Investigation Active Investigation Active Investigation Active Investigation	212-217 218-225 226-231 232-240 241-246 247-252	215: step 6 223: step 11 231: step 9 238: step 18 244: step 9 250: step 7
		I-Check 4 Performance Assessment	288 303 304	Item 1a Performance Assessment, Station 1 Performance Assessment, Station 2
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult Inv. 1: Mealworms, Part 3: Life Cycle	Active Investigation Active Investigation Active Investigation	50-62 63-74 75-79	61: steps 16-17 66: steps 4, 8, 11, 15, 17 79: step 9
	Inv. 2: Brassica Seeds, Part 1: Planting Brassica Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth Inv. 2: Brassica Seeds, Part 3: Plant Life Cycle Inv. 2: Brassica Seeds, Part 4: Planting Outdoors	Active Investigation Active Investigation Active Investigation Active Investigation	94-104 105-113 114-120 121-127	102: step 11; 104: steps 18-19 109: step 5; 110: step 8; 111: step 11 118: steps 6, 8; 120: step 12 127: step 15
	Inv. 3: Milkweed Bugs, Part 2: Habitats Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs Inv. 3: Milkweed Bugs, Part 4: Insect Search	Active Investigation Active Investigation Active Investigation	145-155 156-164 165-173	153: steps 15, 17 158: steps 1, 2, 3, 6 171: step 12

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	<p>Inv. 4: Silkworms, Part 1: Eggs and Larvae                  Inv. 4: Silkworms, Part 2: Silkworm Structures                  Inv. 4: Silkworms, Part 3: Pupae and Adults                  Inv. 4: Silkworms, Part 4: Plant Eaters</p>	<p>Active Investigation                  Active Investigation                  Active Investigation                  Active Investigation                  Home/School Connection</p>	<p>186-192                  193-203                  204-210                  211-217</p>	<p>192: step 16                  198: steps 10-14; 200: step 17                  208: step 6; 210: step 13                  216: step 10                  217: step 18</p>
	<p>Inv. 5: Butterflies, Part 1: Caterpillars                  Inv. 5: Butterflies, Part 2: Chrysalises                  Inv. 5: Butterflies, Part 3: Adult Butterflies                  Inv. 5: Butterflies, Part 4: Flower Powder</p>	<p>Active Investigation                  Active Investigation                  Active Investigation                  Active Investigation</p>	<p>230-235                  236-240                  241-249                  250-257</p>	<p>234: step 14                  239: step 4                  246: step 11                  254: steps 4-11; 257: step 15</p>
		<p>Performance Assessment</p>	<p>301                  302</p>	<p>Performance Assessment, Station 1                  Performance Assessment, Station 2</p>
<p><b>2.2.E: communicate observations and justify explanations using student-generated data from simple descriptive investigations; and</b></p>				
<b>FOSS Balance and Motion</b>	<p>Inv. 1: Balance, Part 1: Balancing Crayfish                  Inv. 1: Balance, Part 2: Triangle and Arch                  Inv. 1: Balance, Part 3: The Pencil Challenge                  Inv. 1: Balance, Part 4: Mobiles</p>	<p>Active Investigation                  Active Investigation                  Active Investigation                  Active Investigation</p>	<p>44-53                  54-59                  60-67                  68-75</p>	<p>53: step 16                  57: step 9                  67: step 24                  75: step 23</p>
	<p>Inv. 2: Spinners, Part 1: Tops                  Inv. 2: Spinners, Part 2: Zoomers                  Inv. 2: Spinners, Part 3: Twirlers</p>	<p>Active Investigation                  Active Investigation                  Active Investigation</p>	<p>88-95                  96-102                  103-113</p>	<p>93: step 11; 95: step 19                  101: step 9; 102: step 13                  109: step 12; 111: step 19</p>
	<p>Inv. 3: Rollers, Part 1: Rolling Wheels                  Inv. 3: Rollers, Part 2: Rolling Cups                  Inv. 3: Rollers, Part 3: Rolling Spheres                  Inv. 3: Rollers, Part 4: Rolling Outdoors</p>	<p>Active Investigation                  Active Investigation                  Active Investigation                  Active Investigation</p>	<p>124-131                  132-139                  140-147                  148-154</p>	<p>130: step 16; 131: step 18                  137: step 14; 139: step 17                  146: step 16                  154: step 13</p>
	<p>Inv. 4: Back and Forth, Part 1: Sound and Vibrations                  Inv. 4: Back and Forth, Part 2: Length and Pitch                  Inv. 4: Back and Forth, Part 3: Outdoor Sounds</p>	<p>Active Investigation                  Active Investigation                  Active Investigation</p>	<p>166-174                  175-184                  185-190</p>	<p>174: step 14                  184: step 21                  189: step 14</p>
		<p>Performance Assessment</p>	<p>223                  224                  225</p>	<p>Performance Assessment, Station 1                  Performance Assessment, Station 2                  Performance Assessment, Station 3</p>
<b>FOSS Air, Weather, and Earth</b>	<p>Inv. 1: Exploring Air, Part 1: Air is There                  Inv. 1: Exploring Air, Part 2: Parachutes                  Inv. 1: Exploring Air, Part 3: Pushing on Air                  Inv. 1: Exploring Air, Part 4: Air and Water                    Inv. 1: Exploring Air, Part 5: Balloon Rockets</p>	<p>Active Investigation                  Active Investigation                  Active Investigation                  Active Investigation                  Home/School Connection                  Active Investigation</p>	<p>48-56                  57-65                  66-73                  74-82                    83-87</p>	<p>55: step 13; 56: step 15                  63: step 13; 65: step 18                  72: step 15; 73: step 17                  81: step 21                  82: step 24                  87: step 8</p>

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

	Inv. 2: Observing Weather, Part 1: Weather Calendars Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 3: Watching Clouds	Active Investigation Active Investigation Active Investigation	98-104 105-112 113-120	104: step 13 112: step 15 120: step 16
	Inv. 3: Wind Explorations, Part 1: Bubbles in the Wind Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 4: Wind Vanes Inv. 3: Wind Explorations, Part 5: Kites	Active Investigation Active Investigation Active Investigation Active Investigation	140-143 149-153 154-162 163-167	143: step 8 153: step 11 159: step 10 167: step 10
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	178-182	182: step 10
	Inv. 5: Properties of Matter, Part 1: First Sorting Inv. 5: Properties of Matter, Part 2: Start a Rock Collection Inv. 5: Properties of Matter, Part 3: Sorting Activities Inv. 5: Properties of Matter, Part 4: Changing Properties Inv. 5: Properties of Matter, Part 5: Natural Resources Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation Active Investigation Active Investigation Active Investigation Active Investigation	212-217 218-225 226-231 232-240 241-246 247-252	216: step 10; 217: step 16 225: step 18 231: step 10 238: step 18; 240: step 24 246: step 12 251: step 7
		Performance Assessment	303 304	Performance Assessment, Station 1 Performance Assessment, Station 2
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation Active Investigation	50-62 63-74	62: step 21 69: step 12; 74: step 24
	Inv. 2: Brassica Seeds, Part 1: Planting Brassica Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation Active Investigation	94-104 105-113	104: step 20 112: step 12
	Inv. 3: Milkweed Bugs, Part 1: Eggs Inv. 3: Milkweed Bugs, Part 2: Habitats Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs	Active Investigation Active Investigation Active Investigation	140-144 145-155 156-164	144: steps 8, 10 155: step 22 164: step 17
	Inv. 4: Silkworms, Part 1: Eggs and Larvae Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Active Investigation	186-192 211-217	192: step 18 217: step 16
	Inv. 5: Butterflies, Part 1: Caterpillars Inv. 5: Butterflies, Part 2: Chrysalises Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation Active Investigation Active Investigation	230-235 236-240 250-257	235: step 17 239: step 4; 240: step 6 256: step 12
		Performance Assessment	301 302	Performance Assessment, Station 1 Performance Assessment, Station 2
<b>2.2.F: compare results of investigations with what students and scientists know about the world.</b>				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation Active Investigation	44-53 60-67	49: steps 2-10 62: steps 1-9

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers	Active Investigation Active Investigation	88-95 96-102	91: steps 1-7 100: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation Active Investigation	124-131 132-139	127: steps 1-12 134: step 4
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	166-174	170: steps 1-11
		I-Check 2 Performance Assessment	208 223 224	Item 3 Performance Assessment, Station 1 Performance Assessment, Station 2
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 2: Parachutes Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation Active Investigation	57-65 74-82	62: step 9 82: step 23
	Inv. 2: Observing Weather, Part 1: Weather Calendars Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 3: Watching Clouds	Active Investigation Active Investigation Active Investigation	98-104 105-112 113-120	104: step 13 112: step 15 120: step 16
	Inv. 3: Wind Explorations, Part 2: Wind Speed Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 4: Wind Vanes	Active Investigation Active Investigation Active Investigation	144-148 149-153 154-162	148: step 13 153: step 13 162: step 18
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	178-182	181: step 6
	Inv. 5: Properties of Matter, Part 4: Changing Properties Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation	232-240 247-252	240: step 24 251: step 7
		Performance Assessment	303 304	Performance Assessment, Station 1 Performance Assessment, Station 2
<b>FOSS Insects and Plants</b>	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation	105-113	111: step 11; 113: step 16
	Inv. 4: Silkworms, Part 2: Silkworm Structures Inv. 4: Silkworms, Part 3: Pupae and Adults Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Active Investigation Active Investigation	193-203 204-210 211-217	203: step 21 208: step 8 216: step 9
	Inv. 5: Butterflies, Part 3: Adult Butterflies Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation Active Investigation	241-249 250-257	247: steps 13-14 256: step 12
		Performance Assessment	301 302	Performance Assessment, Station 1 Performance Assessment, Station 2

**2.3. Scientific Investigation and Reasoning.**

The student knows that information and critical thinking, scientific problem solving, and the contributions of scientists are used in making decisions. The student is expected to:

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

2.3.A: identify and explain a problem in his/her own words and propose a task and solution for the problem such as lack of water in a habitat;				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation Active Investigation	44-53 60-67	49: steps 2-10 62: steps 1-9
	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers	Active Investigation Active Investigation	88-95 96-102	91: steps 1-7 100: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation Active Investigation	124-131 132-139	127: steps 1-12 134: step 4
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	166-174	170: steps 1-11
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	74-82	78: steps 7-12
	Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation	105-112	108: steps 1-12
	Inv. 3: Wind Explorations, Part 3: Pinwheels	Active Investigation	149-153	152: steps 3-6
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	178-182	180: steps 1-6, 9-11
	Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation	247-252	250: step 3
<b>FOSS Insects and Plants</b>	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation	105-113	108: steps 1-11
	Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation	211-217	214: steps 2-9
	Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation	250-257	254: steps 4-11
		I-Check 2	276	Item 4
2.3.B: make predictions based on observable patterns; and				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 2: Triangle and Arch Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation Active Investigation Active Investigation	44-53 54-59 60-67	49: step 2 58: step 10 62: step 5
	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers	Active Investigation Active Investigation	88-95 96-102	91: steps 1-7 100: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups Inv. 3: Rollers, Part 3: Rolling Spheres Inv. 3: Rollers, Part 4: Rolling Outdoors	Active Investigation Active Investigation Active Investigation Active Investigation	124-131 132-139 140-147 148-154	127: steps 1-12 134: steps 1-6 146: step 17 151: step 3; 152: steps 6-8

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

	Inv. 4: Back and Forth, Part 1: Sound and Vibrations Inv. 4: Back and Forth, Part 2: Length and Pitch	Active Investigation Active Investigation	166-174 175-184	170: steps 1-11 180: steps 7-10; 181: step 14
		I-Check 1 I-Check 2 I-Check 3 I-Check 4	202 208 212 218	Item 2 Item 2 Item 2, 3, 4 Item 4a-d
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	74-82	77: step 2;
	Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation	105-112	108: step 4; 109: step 6;
	Inv. 3: Wind Explorations, Part 1: Bubbles in the Wind Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 5: Kites	Active Investigation Active Investigation Active Investigation	140-143 149-153 163-167	142: step 4 152: steps 3-6 166: step 7
	Inv. 4: Looking for Change, Part 1: Weather Graphs Inv. 4: Looking for Change, Part 2: Observing the Moon Inv. 4: Looking for Change, Part 3: Comparing the Seasons	Active Investigation Active Investigation Active Investigation	178-182 183-190 191-199	180: steps 1-6, 9-11 186: step 5; 189: step 14; 190: step 16 196: step 5
	Inv. 5: Properties of Matter, Part 4: Changing Properties Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation	232-240 247-252	238: step 15 251: step 7
		I-Check 3	280	Item 1,4
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 3: Life Cycle	Active Investigation	75-79	77: step 5
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth Inv. 2: Brassica Seeds, Part 3: Plant Life Cycle Inv. 2: Brassica Seeds, Part 4: Planting Outdoors	Active Investigation Active Investigation Active Investigation	105-113 114-120 121-127	108: steps 1-11 116: step 3 125: step 6
	Inv. 3: Milkweed Bugs, Part 2: Habitats	Active Investigation	145-155	153: step 13
	Inv. 4: Silkworms, Part 1: Eggs and Larvae Inv. 4: Silkworms, Part 3: Pupae and Adults Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Active Investigation Active Investigation	186-192 204-210 211-217	189: step 3 207: step 2 214: steps 2-9
	Inv. 5: Butterflies, Part 1: Caterpillars Inv. 5: Butterflies, Part 2: Chrysalises Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation Active Investigation Active Investigation	230-235 236-240 250-257	233: step 5 239: step 1 254: steps 4-11
<b>2.3.C: identify what a scientist is and explore what different scientists do.</b>				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation Active Investigation	44-53 60-67	49: steps 2-10; 52: step 14 62: steps 1-9

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers	Active Investigation Active Investigation	88-95 96-102	91: steps 1-7 100: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation Active Investigation	124-131 132-139	127: steps 1-12 134: steps 1-6
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	166-174	172: step 9
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 1: Air is There Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation Active Investigation	48-56 74-82	55: steps 10, 12 78: steps 7-12
	Inv. 2: Observing Weather, Part 1: Weather Calendars Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation Active Investigation	98-104 105-112	101: step 4; 103: step 8 109: step 8
	Inv. 3: Wind Explorations, Part 2: Wind Speed Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 4: Wind Vanes	Active Investigation Active Investigation Active Investigation Student Resources Book	144-148 149-153 154-162 SRB: 87-92	147: step 9 152: steps 3-6 158: step 6 <i>Understanding the Weather</i> IG 161: steps 14-15
	Inv. 4: Looking for Change, Part 1: Weather Graphs Inv. 4: Looking for Change, Part 2: Observing the Moon	Active Investigation Active Investigation	178-182 183-190	180: steps 1-6, 9-11 186: step 5
	Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation	247-252	250: steps 3-7
		I-Check 2	274	Item 2
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms	Active Investigation	50-62	61: step 16
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation	105-113	108: steps 1-11
	Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation	211-217	214: steps 2-9
	Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation	250-257	254: steps 4-11
		I-Check 2	276	Item 5
<b>2.4. Scientific Investigation and Reasoning.</b>				
The student uses age-appropriate tools and models to investigate the natural world. The student is expected to:				
<b>2.4.A:</b> collect, record, and compare information using tools, including computers, hand lenses, rulers, primary balances, plastic beakers, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and stopwatches; weather instruments such as thermometers, wind vanes, and rain gauges; and materials to support observations of habitats of organisms such as terrariums and aquariums; and				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 3: The Pencil Challenge	Active Investigation Active Investigation	44-53 60-67	49: steps 2-10 62: steps 1-9



FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers Inv. 2: Spinners, Part 3: Twirlers	Active Investigation Active Investigation Active Investigation	88-95 96-102 103-113	91: steps 1-7 100: steps 1-6 107: steps 5-7; 109: steps 10-13
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation Active Investigation	124-131 132-139	127: steps 5-12 134: steps 1-6; 136: steps 8-10
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations Inv. 4: Back and Forth, Part 2: Length and Pitch	Active Investigation Active Investigation	166-174 175-184	170: steps 1-11 178: steps 3-2
		I-Check 3 Performance Assessment	212 223 224 225	Item 5 Performance Assessment, Station 1 Performance Assessment, Station 2 Performance Assessment, Station 3
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	74-82	78: steps 7-12
	Inv. 2: Observing Weather, Part 1: Weather Calendars Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 3: Watching Clouds Inv. 2: Observing Weather, Part 4: Measuring Rainfall	Active Investigation Active Investigation Active Investigation Active Investigation Math Extension A	98-104 105-112 113-120 121-127	102: steps 5-7 108: steps 2-10 117: step 8; 118: step 11 123: step 5 127: step 17
	Inv. 3: Wind Explorations, Part 2: Wind Speed Inv. 3: Wind Explorations, Part 3: Pinwheels  Inv. 3: Wind Explorations, Part 4: Wind Vanes	Active Investigation Active Investigation Home/School Connection Active Investigation Student Resources Book	144-148 149-153  154-162 SRB 87-92	146: steps 4-8 152: steps 3-6 153: step 14 158: steps 3-6 <i>Understanding the Weather</i> IG 161: steps 14-15
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	178-182	180: steps 1-6, 9-11
	Inv. 5: Properties of Matter, Part 1: First Sorting Inv. 5: Properties of Matter, Part 2: Start a Rock Collection Inv. 5: Properties of Matter, Part 3: Sorting Activities Inv. 5: Properties of Matter, Part 4: Changing Properties Inv. 5: Properties of Matter, Part 5: Natural Resources Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation Active Investigation Active Investigation Active Investigation Active Investigation	212-217 218-225 226-231 232-240 241-246 247-252	215: steps 6-7 222: steps 6-8 228: step 3; 230: step 6 235: steps 3-5 244: step 5; 245: step 10 250: steps 3-7
		I-Check 1 I-Check 2 I-Check 3 Performance Assessment	266 274 280 303 304	Item 5 Item 3, 4a Item 2, 3ab, 4 Performance Assessment, Station 1 Performance Assessment, Station 2
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation	63-74	66: steps 4-8

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

	Inv. 2: Brassica Seeds, Part 1: Planting Brassica Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation Active Investigation	94-104 105-113	100: steps 2-9 108: steps 1-11
	Inv. 3: Milkweed Bugs, Part 2: Habitats Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs Inv. 3: Milkweed Bugs, Part 4: Insect Search	Active Investigation Active Investigation Active Investigation	145-155 156-164 165-173	152: steps 7-12 159: steps 1-8 168: steps 5-7
	Inv. 4: Silkworms, Part 2: Silkworm Structures Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Active Investigation	193-203 211-217	197: step 7 215: step 8; 216: steps 10, 12, 13
	Inv. 5: Butterflies, Part 1: Caterpillars Inv. 5: Butterflies, Part 2: Chrysalises Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation Active Investigation Media / Video  Active Investigation	230-235 236-240 FOSSweb  250-257	233: step 6 239: steps 1-2 <i>What is Pollination?</i> IG 254: steps 1-2 254: steps 1-5, 8
		I-Check 5 Performance Assessment	296 301 302	Item 5 Performance Assessment, Station 1 Performance Assessment, Station 2
		Student Resources Book	SRB: 250-265	References: <i>Tools for Scientific Investigation</i>
<b>2.4.B: measure and compare organisms and objects using non-standard units that approximate metric units.</b>				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 1: Balancing Crayfish Inv. 1: Balance, Part 3: The Pencil Challenge Inv. 1: Balance, Part 4: Mobiles	Active Investigation Active Investigation Active Investigation	44-53 60-67 68-75	49: steps 2-10 62: steps 1-9 73: step 10
	Inv. 2: Spinners, Part 1: Tops Inv. 2: Spinners, Part 2: Zoomers	Active Investigation Active Investigation	88-95 96-102	91: steps 1-7 100: steps 1-6
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups Inv. 3: Rollers, Part 4: Rolling Outdoors	Active Investigation Active Investigation Active Investigation Math Extension A and B	124-131 132-139 148-154	127: steps 5-12 136: steps 8-10 152: step 7 153: step 11
	Inv. 4: Back and Forth, Part 1: Sound and Vibrations	Active Investigation	166-174	170: steps 1-11
		I-Check 3	212	Item 6
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 4: Air and Water	Active Investigation	74-82	78: steps 7-12
	Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 4: Measuring Rainfall	Active Investigation Active Investigation	105-112 121-127	109: steps 6-10 124: step 6

FOSS Grade 2 Correlation to the Texas Essential Knowledge and Skills (TEKS)

	Inv. 3: Wind Explorations, Part 3: Pinwheels	Active Investigation	149-153	152: steps 3-6
	Inv. 4: Looking for Change, Part 1: Weather Graphs	Active Investigation	178-182	180: steps 1-6, 9-11
	Inv. 5: Properties of Matter, Part 3: Sorting Activities Inv. 5: Properties of Matter, Part 4: Changing Properties Inv. 5: Properties of Matter, Part 6: Plan and Conduct Your Own Investigation	Active Investigation Active Investigation Active Investigation	226-231 232-240 247-252	230: step 6; 231: step 7 240: step 25 250: steps 3-7
		I-Check 1	266	Item 4
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation	63-74	67: step 7
	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation	105-113	108: step 1; 110: step 8
	Inv. 4: Silkworms, Part 2: Silkworm Structures Inv. 4: Silkworms, Part 4: Plant Eaters	Active Investigation Active Investigation	193-203 211-217	197: step 8 216: steps 10-11
	Inv. 5: Butterflies, Part 4: Flower Powder	Active Investigation	250-257	256: steps 11, 13
		I-Check 2 Performance Assessment	276 301	Item 6 Performance Assessment, Station 1

**2.5. Matter and Energy**

The student knows that objects have properties and those properties determine how it is described, classified, changed, and used. The student is expected to:

**2.5.A:** classify matter by physical properties, including shape, relative mass, relative temperature, texture, flexibility, and whether material is a solid or liquid;

<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 2: Parachutes	Student Resources Book Student Resources Book	SRB 47-50 57-65 SRB 51-57 57-65	<i>Matter</i> IG 64: steps 15-16 <i>What Is All around Us?</i> IG: 64: steps 15-16
	Inv. 2: Observing Weather, Part 3: Watching Clouds	Student Resources Book	SRB 58-59 113-120	<i>Clouds</i> IG 117: steps 5-6
	Inv. 3: Wind Explorations, Part 2: Wind Speed	Active Investigation	144-148	146: step 3; 147: step 8
	Inv. 5: Properties of Matter, Part 1: First Sorting Inv. 5: Properties of Matter, Part 2: Start a Rock Collection  Inv. 5: Properties of Matter, Part 3: Sorting Activities Inv. 5: Properties of Matter, Part 4: Changing Properties	Active Investigation Student Resources Book  Active Investigation Active Investigation Student Resources Book	212-217 SRB 122-130  226-231 232-240 SRB 131-140	215: step 7; 216: step 14 <i>Exploring Rocks</i> IG 224: steps 15-16 228: step 3; 230: steps 6-7 235: steps 1-16 <i>Comparing Solids and Liquids</i> IG 239: steps 20-21

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		I-Check 1 I-Check 2 I-Check 3 I-Check 5	266 274 280 292	Item 2 Item 4b Item 2 Item 2, 3, 5b, 7, 9
<b>2.5.B:</b> compare changes in materials caused by heating and cooling;				
<b>FOSS Air, Weather, and Earth</b>	Inv. 5: Properties of Matter, Part 4: Changing Properties	Active Investigation Student Resources Book	232-240 SRB 141-146	235: steps 1-16 <i>Heating and Cooling</i> IG 239: steps 22-23
		I-Check 5	292	Item 5a, 5c
<b>2.5.C:</b> demonstrate that things can be done to materials to change their physical properties such as cutting, folding, sanding, and melting; and				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 4: Mobiles	Active Investigation	68-75	71: steps 3-6; 73: steps 9-14
	Inv. 2: Spinners, Part 3: Twirlers	Active Investigation	103-113	107: steps 3-6; 109: steps 10-12
		Performance Assessment	223	Performance Assessment, Station 1
<b>FOSS Air, Weather, and Earth</b>	Inv. 3: Wind Explorations, Part 3: Pinwheels Inv. 3: Wind Explorations, Part 4: Wind Vanes Inv. 3: Wind Explorations, Part 5: Kites	Active Investigation Active Investigation Active Investigation	149-153 154-162 163-167	152: step 3 160: step 13 165: steps 1-4
	Inv. 5: Properties of Matter, Part 4: Changing Properties	Active Investigation	232-240	235: steps 1-16
		I-Check 3 I-Check 5	280 292	Item 5 Item 5a, 5c, 8
<b>2.5.D:</b> combine materials that when put together can do things that they cannot do by themselves such as building a tower or a bridge and justify the selection of those materials based on their physical properties.				
<b>FOSS Balance and Motion</b>	Inv. 1: Balance, Part 4: Mobiles	Active Investigation	68-75	73: steps 9-14, 16-19
		I-Check 1	202	Items 1, 3, 5
<b>FOSS Air, Weather, and Earth</b>	Inv. 3: Wind Explorations, Part 4: Wind Vanes	Active Investigation	154-162	159: step 12
<b>2.6. Force, Motion and Energy</b> The student knows that forces cause change and energy exists in many forms. The student is expected to:				
<b>2.6.A:</b> investigate the effects on an object by increasing or decreasing amounts of light, heat, and sound energy such as how the color of an object appears different in dimmer light or how heat melts butter;				

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<b>FOSS Balance and Motion</b>	Inv. 4: Back and Forth, Part 2: Length and Pitch	Active Investigation Student Resources Book	175-184 SRB 38-43	181: step 14 <i>Strings in Motion</i> IG 183: 18-19
	Inv. 4: Back and Forth, Part 3: Outdoor Sounds	Active Investigation	185-190	188: steps 8-9, 14
		Performance Assessment	225	Performance Assessment, Station 3
<b>FOSS Air, Weather, and Earth</b>	Inv. 5: Properties of Matter, Part 4: Changing Properties	Active Investigation	232-240	235: steps 1-16
		I-Check 5	292	Item 5a, 5c, 6
<b>2.6.B:</b> observe and identify how magnets are used in everyday life;				
<b>FOSS Air, Weather, and Earth</b>	Inv. 5: Properties of Matter, Part 5: Natural Resources	Active Investigation	241-246	245: step 10
		I-Check 5	292	Item 1
		Performance Assessment	304	Performance Assessment, Station 2
<b>2.6.C:</b> trace the changes in the position of an object over time such as a cup rolling on the floor and a car rolling down a ramp; and				
<b>FOSS Balance and Motion</b>	Inv. 2: Spinners, Part 1: Tops	Active Investigation	88-95	94: steps 14-15
	Inv. 3: Rollers, Part 1: Rolling Wheels Inv. 3: Rollers, Part 2: Rolling Cups Inv. 3: Rollers, Part 4: Rolling Outdoors	Active Investigation Active Investigation Active Investigation Math Extension A	124-131 132-139 148-154	128: step 9 134: steps 3-11 151: steps 3-8 153: step 11
		Performance Assessment	224	Performance Assessment, Station 2
<b>2.6.D:</b> compare patterns of movement of objects such as sliding, rolling, and spinning.				
<b>FOSS Balance and Motion</b>	Inv. 2: Spinners, Part 3: Twirlers	Student Resources Book	SRB 24-28	<i>Things That Spin</i> IG 112: steps 22-23
	Inv. 3: Rollers, Part 2: Rolling Cups	Active Investigation Student Resources Book	132-139 SRB 29-37	134: steps 4-6; 136: steps 8-10, 13 <i>Rolling, Rolling, Rolling!</i> IG 138: 15-16
	Inv. 3: Rollers, Part 3: Rolling Spheres	Active Investigation	140-147	142: steps 1-6; 147: step 18
	Inv. 3: Rollers, Part 4: Rolling Outdoors	Home/School Connection Active Investigation	148-154	147: step 19 151: steps 3-8
		I-Check 2	208	Item 4a-b
		I-Check 4	218	Item 4a-d
		Performance Assessment	224	Performance Assessment, Station 2

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<b>2.7. Earth and Space</b> The student knows that the natural world includes earth materials. The student is expected to:				
<b>2.7.A:</b> observe, compare, describe, and sort rocks by size, texture, and color;				
<b>FOSS Air, Weather, and Earth</b>	Inv. 5: Properties of Matter, Part 1: First Sorting Inv. 5: Properties of Matter, Part 2: Start a Rock Collection  Inv. 5: Properties of Matter, Part 3: Sorting Activities	Active Investigation Active Investigation Student Resources Book  Active Investigation	212-217 218-225 SRB 122-130  226-231	215: steps 6-8; 216: step 14 222: steps 8-9; 223: step 13 <i>Exploring Rocks</i> IG 224: steps 15-16 228: step 3; 230: steps 6-7
		I-Check 5	292	Item 3
<b>2.7.B:</b> identify and compare the properties of natural sources of freshwater and saltwater; and				
<b>FOSS Air, Weather, and Earth</b>	Inv. 2: Observing Weather, Part 4: Measuring Rainfall	Active Investigation Student Resources Book	121-127 SRB 77-86	124: step 7 <i>Where Is Water Found?</i> IG 126: steps 12-13
		I-Check 2	274	Item 5ab
<b>2.7.C:</b> distinguish between natural and manmade resources.				
<b>FOSS Air, Weather, and Earth</b>	Inv. 5: Properties of Matter, Part 5: Natural Resources	Student Resources Book  Active Investigation	SRB 147-163  241-246	<i>Resources</i> IG 243: steps 1-2 244: step 4
		I-Check 5	292	Item 4
<b>2.8. Earth and Space</b> The student knows that there are recognizable patterns in the natural world and among objects in the sky. The student is expected to:				
<b>2.8.A:</b> measure, record, and graph weather information, including temperature, wind conditions, precipitation, and cloud coverage, in order to identify patterns in the data;				
<b>FOSS Air, Weather, and Earth</b>	Inv. 1: Exploring Air, Part 2: Parachutes	Active Investigation	57-65	62: steps 8-9
	Inv. 2: Observing Weather, Part 2: Measuring Temperature Inv. 2: Observing Weather, Part 3: Watching Clouds Inv. 2: Observing Weather, Part 4: Measuring Rainfall	Active Investigation Active Investigation Active Investigation	105-112 113-120 121-127	109: step 8; 110: step 16 119: step 12 123: step 5

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	Inv. 4: Looking for Change, Part 1: Weather Graphs Inv. 4: Looking for Change, Part 3: Comparing the Seasons	Active Investigation Active Investigation Math Extension B	178-182 191-199	180: steps 1-7 195: step 1; 196: steps 4-6 199: step 14
		I-Check 2 I-Check 3 I-Check 4 Performance Assessment	274 280 288 303	Item 1, 4a Item 3ab Item 1ab Performance Assessment, Station 1
<b>2.8.B: identify the importance of weather and seasonal information to make choices in clothing, activities, and transportation;</b>				
<b>FOSS Air, Weather, and Earth</b>	Inv. 2: Observing Weather, Part 2: Measuring Temperature	Active Investigation	105-112	110: step 11
	Inv. 4: Looking for Change, Part 1: Weather Graphs Inv. 4: Looking for Change, Part 3: Comparing the Seasons	Home/School Connection Student Resources Book  Multimedia	178-182 SRB 106-113  FOSSweb	182: step 12 <i>Seasons</i> IG 198: steps 9-10 IG 198: step 11
		I-Check 3 Performance Assessment	280 303	Item 6abc Performance Assessment, Station 1
<b>2.8.C: explore the processes in the water cycle, including evaporation, condensation, and precipitation, as connected to weather conditions; and</b>				
<b>FOSS Air, Weather, and Earth</b>	Inv. 2: Observing Weather, Part 4: Measuring Rainfall	Active Investigation Student Resources Book	121-127 SRB 70-76	123: steps 5-6 <i>Water In the Air</i> IG 125: steps 10-11
		I-Check 2	274	Item 6
<b>2.8.D: observe, describe, and record patterns of objects in the sky, including the appearance of the Moon.</b>				
<b>FOSS Air, Weather, and Earth</b>	Inv. 2: Observing Weather, Part 3: Watching Clouds	Active Investigation Student Resources Book  Home/School Connection	113-120 SRB 60-69  113-120	117: steps 7-8 <i>What Is the Weather Today?</i> IG: 118: steps 9-10 120: step 17
	Inv. 4: Looking for Change, Part 2: Observing the Moon  Inv. 4: Looking for Change, Part 3: Comparing the Seasons	Active Investigation  Student Resources Book  Active Investigation	183-190  SRB 93-105  191-199	186: steps 1-5; 188: steps 9-11; 190: step 16 <i>Changes in the Sky</i> IG 187: steps 6-8 195: step 2
		I-Check 4	288	Item 2, 3, 4bcde, 5

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**2.9. Organisms and Environments**

The student knows that living organisms have basic needs that must be met for them to survive within their environment. The student is expected to:

**2.9.A:** identify the basic needs of plants and animals;

<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 1: Mealworms Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Active Investigation Home School Connection Active Investigation Student Resources Book  Media / Video	50-62 63-74 SRB 167-182  FOSSweb	59: steps 8-9 62: step 20 68: step 10; 69: step 14 <i>Animals and Plants in Their Habitats</i> IG 72: steps 19-20 <i>All about Animal Needs</i> IG 73: steps 21-22
	Inv. 2: Brassica Seeds, Part 1: Planting Brassica Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth  Inv. 2: Brassica Seeds, Part 4: Planting Outdoors	Active Investigation Active Investigation Media / Video  Active Investigation	94-104 105-113 FOSSweb  121-127	102: steps 14-15 108: step 2 <i>How Plants Grow</i> 113: step 14 124: step 2; 125: steps 5-9
	Inv. 3: Milkweed Bugs, Part 2: Habitats Inv. 3: Milkweed Bugs, Part 4: Insect Search	Active Investigation Home/School Connection	145-155 165-173	150: steps 4-12 173: step 16
	Inv. 4: Silkworms, Part 1: Eggs and Larvae	Active Investigation	186-192	190: steps 9-13
	Inv. 5: Butterflies, Part 1: Caterpillars	Active Investigation	230-235	232: step 4; 233: step 7
		I-Check 1 I-Check 2 I-Check 3 Performance Assessment	270 276 282 302	Item 2 Item 2ab Item 3 Performance Assessment, Station 2

**2.9.B:** identify factors in the environment, including temperature and precipitation, that affect growth and behavior such as migration, hibernation, and dormancy of living things; and

<b>FOSS Air, Weather, and Earth</b>	Inv. 4: Looking for Change, Part 3: Comparing the Seasons	Student Resources Book	SRB 114-121	<i>Getting Through the Winter</i> IG 199: steps 12-13
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Student Resources Book	SRB 167-182	<i>Animals and Plants in Their Habitats</i> IG 72: steps 19-20
	Inv. 3: Milkweed Bugs, Part 2: Habitats	Active Investigation	145-155	152: step 12
	Inv. 4: Silkworms, Part 3: Pupae and Adults	Media / Video	FOSSweb	<i>Life Cycle of the Honey Bee</i> IG 210: step 12
		I-Check 4	288	Item 4



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<b>2.9.C:</b> compare and give examples of the ways living organisms depend on each other and on their environments such as food chains within a garden, park, beach, lake, and wooded area.				
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult	Student Resources Book	SRB 167-182	<i>Animals and Plants in Their Habitats</i> IG 72: steps 19-20
	Inv. 3: Milkweed Bugs, Part 2: Habitats  Inv. 3: Milkweed Bugs, Part 4: Insect Search	Student Resources Book  Media / Video	SRB 192-197  FOSSweb	<i>So Many Kinds, So Many Places</i> IG: 154: steps 19-20 <i>All about Food Chains</i> IG 171: steps 13-14
	Inv. 4: Silkworms, Part 3: Pupae and Adults	Student Resources Book  Media / Video	SRB 212-220  FOSSweb	<i>Insect Life Cycles</i> IG 209: step 10 <i>Life Cycle of the Honey Bee</i> IG 210: step 12
		I-Check 2	276	Item 1
<b>2.10. Organisms and Environments</b> The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:				
<b>2.10.A:</b> observe, record, and compare how the physical characteristics and behaviors of animals help them meet their basic needs such as fins help fish move and balance in the water;				
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult  Inv. 1: Mealworms, Part 3: Life Cycle	Active Investigation Media / Video  Active Investigation	63-74 FOSSweb  75-79	70: step 16; 74: step 22 <i>All about Animal Needs</i> IG 73: steps 21-22 79: step 11
	Inv. 3: Milkweed Bugs, Part 2: Habitats  Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs	Media / Video  Media / Video  Active Investigation	FOSSweb  FOSSweb  156-164	<i>House and Backyard Insects</i> IG 155: step 21 <i>Bugs</i> IG 155: step 21 159: step 3; 161: step 9
	Inv. 4: Silkworms, Part 2: Silkworm Structures  Inv. 4: Silkworms, Part 3: Pupae and Adults	Active Investigation Student Resources Book  Active Investigation	193-203 SRB 205-211  204-210	197: step 7 <i>Insect Shapes and Colors</i> IG 202: 19-20 208: step 8
	Inv. 5: Butterflies, Part 3: Adult Butterflies	Active Investigation  Media / Video  Student Resources Book	241-249  FOSSweb  SRB 221-234	244: step 3; 245: steps 5-6; 247: step 14 <i>Butterflies and Moths</i> IG 247: step 13 <i>Life Goes Around</i> IG 248: steps 15-18

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		I-Check 1 I-Check 4 Performance Assessment	270 288 302	Item 4, 6 Item 4b Performance Assessment, Station 2
<b>2.10.B: observe, record, and compare how the physical characteristics of plants help them meet their basic needs such as stems carry water throughout the plant; and</b>				
<b>FOSS Insects and Plants</b>	Inv. 2: Brassica Seeds, Part 2: Observing Brassica Growth	Active Investigation Media / Video	105-113 FOSSweb	108: steps 1-2; 109: step 6; 111: step 9 <i>How Plants Grow</i> IG 113: step 14
		I-Check 2 Performance Assessment	276 302	Item 3 Performance Assessment, Station 2
<b>2.10.C: investigate and record some of the unique stages that insects undergo during their life cycle.</b>				
<b>FOSS Insects and Plants</b>	Inv. 1: Mealworms, Part 2: Larva, Pupa, Adult Inv. 1: Mealworms, Part 3: Life Cycle	Active Investigation Active Investigation	63-74 75-79	67: step 5; 68: step 10; 69: step 13 77: steps 1-9
	Inv. 3: Milkweed Bugs, Part 2: Habitats Inv. 3: Milkweed Bugs, Part 3: Growing Milkweed Bugs	Active Investigation Active Investigation Media / Video	145-155 156-164 FOSSweb	153: step 15 158: step 2; 159: step 4; 161: step 9 <i>The Life Cycle of Milkweed Bugs</i>
	Inv. 4: Silkworms, Part 1: Eggs and Larvae Inv. 4: Silkworms, Part 2: Silkworm Structures Inv. 4: Silkworms, Part 3: Pupae and Adults	Active Investigation Active Investigation Active Investigation Student Resources Book  Media / Video	186-192 193-203 204-210 SRB 212-220  FOSSweb	189: step 2; 190: step 8 197: step 7 207: step 3 <i>Insect Life Cycles</i> IG 209: steps 9-11 <i>Life Cycle of the Honey Bee</i> IG 210: step 12
	Inv. 5: Butterflies, Part 1: Caterpillars Inv. 5: Butterflies, Part 2: Chrysalises Inv. 5: Butterflies, Part 3: Adult Butterflies	Active Investigation Active Investigation Active Investigation Media / Video  Student Resources Book	230-235 236-240 241-249 FOSSweb  SRB 221-234	234: step 10 239: step 1 244: step 1; 245: steps 6-9 <i>Butterflies and Maths</i> IG 247: step 13 <i>Life Goes Around</i> IG 248: steps 15-18
		I-Check 1 I-Check 3 I-Check 4 I-Check 5	270 282 288 296	Item 3 Item 4 Item 1 Item 1, 2