

## Lansing School District Fourth Grade Science Year-At-A-Glance Expected Pacing

Quarter	Dates	Amplify Core Content <b>Unit One: Energy Conversions</b>
Q1	Aug. 28-31	Community building/routines/procedures
	Sept. 5-8	Energy Conversions: Lessons 1-2
	Sept. 11-15	Energy Conversions: Lessons 3-4
	Sept. 18-22	Energy Conversions: Lessons 5-6
	Sept. 25-29	<b>Chapter 2:</b> What makes the devices in Ergstown output or fail to output energy? Lessons: 2.1 (Energy Converters), 2.2 (Energy Past and Present), and Energy in the System
	Oct. 2-6	Lesson: 2.4 (Design Arguments About Devices) <b>Chapter 3:</b> Where does the electrical energy for the devices in Ergstown come from? Lessons: 3.1 (Investigating Energy Sources), 3.2 (Converting Energy from Sources)
	Oct. 9-13	Lessons: 3.3 (Sunlight and Showers), 3.4 (Designing a Wind Turbine), 3.5 (Redesigning Wind Turbines) and Design Arguments About Converters)
	Oct. 16-20	<b>Chapter 4:</b> How does energy get to the devices all over Ergstown? Lessons: 4.1 (Blackout!), 4.2 (Investigating System Failure), 4.3 (Improving the Electrical Grid)
	Oct. 23-27	Lessons: 4.4 (System Improvements), 4.5 (Arguments for System Improvements) and 4.6 (End-of-Unit Assessment)
	Oct. 30-3	Flex Week- To be used to catch up on pacing, reteach science content or additional math time.

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Quarter	Dates	<b>Amplify Core Content</b> <b>Unit Vision and Light (22 Lessons)</b>
Q2	Nov. 6-10	<b>Chapter 1:</b> How does a Tokay Gecko get information about its environment? Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Introducing Animal Senses) 1.3 (Investigating Animal Senses), and Lessons 1.4 (Exploring How Animals Survive)
	Nov. 13-17	<b>Chapter 2:</b> How does light allow a Tokay Gecko to see its prey? Lesson 2.1 (Investigating Light), 2.2 Modeling Ideas About Light, and 2.3 (I See What You Mean)
	Nov. 20-24*	<b>Thanksgiving Break</b>
	Nov. 27-1	Lessons: 2.4 (Reviewing Models About Vision and Light), and 2.5 (Explaining How Light Allows an Animal to See)
	Dec. 4-8	<b>Chapter 3:</b> How does a Tokay Gecko know that it is looking at its prey? Lessons: 3.1 (Exploring Animal Eye Structures), 3.2 (Crow Scientist) and 3.3 (Investigating Information Processing)
	Dec. 11-15	Lessons: 3.4 (Investigating How Animals React to Information) and 3.5 (Explaining How Animals Recognize Prey)
	Dec. 18-22	<b>Chapter 4:</b> How could more light at night make it hard for a Tokay Gecko to see its prey? Lessons: 4.1 (Seeing Like a Shrimp and Smelling Like a Sake) and 4.2 (Investigating What Different Animals See)
	Dec. 25-29	<b>Winter Break</b>
	Jan. 1-5	

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Quarter	Dates	<b>Amplify Core Content</b> <b>Unit Vision and Light Cont.</b>
Q2	Jan. 8-12	Lessons: 4.3 (Investigating Receptor Sensitivity), 4.4 (Preparing to Build a Model)
	Jan. 15-19	Lessons: 4.5 (Building and Explaining Models) and 4.6 (End of Unit Assessment)