

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

Quarter	Dates	Amplify Core Content Unit Animal and Plant Defenses (22 Lessons)
Q1	Aug. 28-31	Community building/Routines/Procedures
	Sept. 5-8	Animal and Plant Defenses: Lesson 1
	Sept. 11-15	Chapter 1 How does Spruce the Sea Turtle do what she needs to do to survive? Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Tortoise Parts)
	Sept. 18-22	Lessons: 1.3 (Animal and Plant Structures), 1.4 (Surviving by Not Being Eaten)
	Sept. 25-29	Lessons: 1.5 (Explaining Sea Turtle Survival) Chapter 2 How Can Spruce the Sea Turtle survive where there are sharks? Lessons 2.1 (Whose lunch is This) 2.2 (Sharp Structures for Eating)
	Oct. 2-6	Lessons: 2.3 (Introducing Modeling), 2.4 (Modeling Shells and Armor) 2.5 (Modeling Spikes)
	Oct. 9-13	Lessons: 2.6 (Modeling Camouflage), 2.7 (Explaining Defenses) 2.8 (Defending the Food Supply) Lesson
	Oct. 16-20	Chapter 3 How can Spruce the Sea Turtle's offspring survive where there are sharks? Lessons: 3.1 (Introducing Offspring), 3.1 (Parents and Offspring) and 3.3 (Offspring Defenses)
	Oct. 23-27	Lessons: 3.4 (Young Offspring), 3.5 (Exploring Parental Care)
	Oct. 30-Nov. 3	Chapter 4: How can aquarium scientists explain animal defenses to the visitors? Lessons: 4.1 (Frog Models), 4.2 (Making Models for the Exhibit)

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Quarter	Dates	Unit: Animal and Plant Defenses Unit: Light and Sound (22 lessons)	
Q2	Oct. 30.-Nov. 3	Chapter 4: How can aquarium scientists explain animal defenses to the visitors? Lessons: 4.1 (Frog Models), 4.2 (Making Models for the Exhibit)	
	Nov. 6-10	Lessons: 4.3 (Aquarium Animal Exhibit) and 4.4 (End of Unit Assessment)	
	Nov. 13-17	Flex week: Used to catch up on pacing or to use as additional math intervention	
	Nov. 20-24*	Thanksgiving Break	
	Nov. 27-1	Unit: Light and Sound Chapter 1: How do we make brighter or darker areas? Lessons: 1.1 (Pre-Unit Assessment), and 1.2 (Can You See in the Dark?)	
	Dec. 4-8	Lessons: 1.3 (Light-Source Hunt), 1.4 (Making Sense of Light Sources and Brightness) and 1.5 (Light Makes Surfaces Look Bright)	
	Dec. 11-15	Chapter 2: How do we make a dark area in a bright puppet show scene? Lessons: 2.1 (Exploring Shadows) and 2.2 (What Made This Shadow?)	
	Dec. 18-22	Lessons: 2.3 (Investigating Blocking), 2.4 (Designing a Cutout to Make a Dark Area) and 2.5 (Explaining the Dark Part of the Surface)	
	Dec. 25-29	Winter Break	
	Jan. 1-5		

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Quarter	Dates	Amplify Core Content Unit: Light and Sound Cont.
Q2	Jan. 8-12	Chapter 3: How do we make bright, medium bright, and dark areas in a scene? Lessons: 3.1 (Investigating Materials That Do Not Block), 3.2 (Let's Test!), and 3.3 (Making Sense of Full and Partial Transmission)
	Jan. 15-19	Lessons: 3.4 (Planning and Making Our Stencils), 3.5 (Testing and Revising Our Solutions) and 3.6 (Explaining the Puppet-Show Scene)

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Quarter	Dates	Amplify Core Content Unit: Light and Sound Cont. Spinning Earth (22 Lessons)
Q3	Jan. 22-26	Lessons 3.5 (Testing and Revising Our Solutions) and 3.6 (Explaining the Puppet Show Scene)
	Jan. 29-Feb. 2	Chapter 4: How do we design a sound source to go with a puppet show scene? Lessons: 4.1 (Exploring Sound Sources) and 4.2 (What Vibrates?)
	Feb. 5-9	Lessons: 4.3 (Explaining Vibration in Sound Sources) and 4.4 (Designing Sound Sources)
	Feb. 12-16	Lessons: 4.4 (Designing Sound Sources) and 4.5 (Sharing Light and Sound Solutions)
	Feb. 19-23	Flex Week: Used to catch up to pacing/review or additional math support.
	Feb. 26-Mar. 1	Lesson: 4.6 (End-of-Unit Assessment)
	Mar. 4-8	Unit: Spinning Earth Chapter 1: Why did the sky look different to Sai than to his grandma? Lessons: 1.1 (Pre-Unit Assessment), and 1.2 (After Sunset)
	Mar. 11-15	Lessons: 1.3 (The Pattern of Daytime and Nighttime), and 1.4 (The Sky from Different Places)

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Quarter	Dates	Amplify Core Content Unit: Spinning Earth
Q3	Mar. 18-22	Lessons: 1.5 (Explaining the Sky in Different Places) Chapter 2: Why was it daytime for Sai when it was nighttime for his grandma? Lesson: 2.1 (Observing Earth from Space)
	Mar. 25-29	Spring Break
	April 1-5	Lessons: 2.2 (Daytime and Nighttime in Places on Earth), and 2.3 (Explaining Daytime and Nighttime)

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Quarter	Dates	Amplify Core Content Unit: Spinning Earth (22 Lessons)
Q4	April 8-12	Unit : Spinning Earth Chapter 2: Why was it daytime for Sai when it was nighttime for his grandma? Lesson: 2.4 Explaining Sai's Problem Chapter 3: Why did daytime change to nighttime while Sai talked on the phone? Lessons: 3.1 Investigating the Sunset and 3.2 Observing the Horizon
	April 15-19	Lessons: 3.3 The Sun's Position in the Sky, 3.4 What Spins? and 3.5 What We See as Earth Spins
	April 22-26	Social Studies
	April 29-May 3	
	May 6-10	Lesson: 3.6 Explaining Sunset to Sai Chapter 4: What will Sai see in the sky when he calls his grandma tomorrow? Lessons: 4.1 Predicting Sun Patterns, and 4.2 Nighttime Investigation
	May 13-17	Lessons: 4.3 Explaining the Sun's Repeating Pattern and 4.4 Explaining What Sai Will See

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Q4	May 20-24	Social Studies
	May 27-31	
	June 3-7	