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

Quarter	Dates	Amplify Core Content **Unit: Geology on Mars (11 Lessons)** **& Plate Motion (19 Lessons)**
Q1	Aug. 21-23	Community Building/Routines and Procedures
	Aug. 26-29	Chapter 1: Comparing Earth and Rocky Planets Lessons: 1.1 (Comparing Rocky Planets), 1.2 (Observing the Surfaces of Mars and Earth) and 1.3 Investigating a Mystery Object on Mars
	Sept. 3-6	Chapter 2: Using Models as Evidence Lessons: 2.1 (“Investigating Landforms on Venus”), 2.2 (Modeling a Geologic Process) and 2.3 (Gathering Additional Evidence from Models)
	Sept. 9-13	Chapter 3: Analyzing New Evidence Lessons: 3.1 (Evaluating New Information from Mars), 3.2 (Evaluating Claims About the Channel on Mars) and 3.3 (Reasoning About Evidence from Mars)
	Sept. 16-20	Lessons: 3.4 (Writing an Argument About the Channel on Mars) 3.5 (End -of-Unit Assessment)
	Sept. 23-26	**Unit Plate Motion** Chapter 1: Introducing Earth’s Outer Layer Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Using Fossils to Understand Earth), 1.3 (Exploring Earth’s Plates and 1.4 (Analyzing Patterns at Plate Boundaries)
	Sept. 30- Oct. 4	Chapter 2: Understanding Plate Boundaries Lessons: 2.1 (Considering What’s Underneath Earth’s Plates), 2.2 (“Listening to Earth”), 2.3 (Explaining Plate-Mantle Interactions), and 2.4 (Modeling Plate-Mantle Interactions)

Lansing School District Seventh Grade Science Year-At-A-Glance Expected Pacing Cont.

Quarter	Dates	Amplify Core Content Unit Two: Plate Motion
Q1	Oct. 7-11	Lessons: 2.5 (Identifying Plate Motion at a Plate Boundary), 2.6 (Critical Juncture Assessment), and 2.7 (Exploring Iceland's Plate Boundary)
	Oct. 14-17	Chapter 3: Investigating the Rate of Plate Movement Lessons: 3.1 (Considering Rates of Plate Movement), 3.2 ("A Continental Puzzle"), 3.3 (Reconstructing Gondwanaland) and 3.4 (Writing About Mesosaurus)
	Oct. 21-25	Chapter 4: Science Seminar Lessons: 4.1 (Plate Motion Near Jalisco, Mexico), 4.2 (Participating in a Science Seminar), 4.3 (Writing a Scientific Argument) and 4.4 (End-of-Unit Assessment)

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

Quarter	Dates	Amplify Core Content **Unit: Plate Motion Engineering Internship** **Rock Transformations**
Q2	Oct. 28- Nov. 1	Tsunami Warning Systems Day 1-4
	Nov. 4-8	Day 5-8
	Nov. 11-15	Day 9-10 **Unit: Rock Transformations** Chapter 1: Rock Formations Lessons: 1.1 (Pre-Unit Assessment),
	Nov.18-22	Lessons: 1.2 (Studying Rock Formations and Samples), 1.3 (Investigating How Rocks Are Formed) 1.4 (Modeling How Rocks Are Formed) and 1.5 (Examining Evidence About Rocks)
	Nov. 25-29	**Thanksgiving Break**
	Dec. 2-6	Chapter 2: Sediment and Magma Lessons: 2.1 (Exploring How Magma and Sediment Form), 2.2 (“Devils Tower”), 2.3 (Energy’s Role in Forming Rocks), and 2.4 (Explaining How Energy Affects Rocks)
	Dec. 9-13	Lessons: 2.5 (Explaining How Energy Affects Rocks) and 2.6 (Investigating Hawaiian Rocks) Chapter 3: Movement of Rock Formations Lesson: 3.1 “The Oldest Rock Formations on Earth”
	Dec.16-20	Lessons: 3.2 (Moving Rock Formations), 3.3 (Plate Motion and Rock Transformations), and 3.4 (Preparing the Final Report)

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

Quarter	Dates	Amplify Core Content Internship: Plate Motion Engineering (10 Lessons)
Q2	Dec. 23-27	Winter Break
	Dec. 30-Jan. 3	
	Jan. 6-10	Chapter 4: Rock Transformations on Venus Lessons: 4.1 (Examining Evidence from Venus), 4.2 (More Evidence About Venus), 4.3 (Engaging in a Science Seminar) and 4.4 (End-of-Unit Assessment)
	Jan. 13-17	Flex Week

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

Quarter	Dates	**Amplify Core Content** **Unit: Phase Change (19 Lessons)** **Phase Change Engineering Internship (10 Lessons)**
Q3	Jan. 20-24	Chapter 1: Describing Phase Change at Two Scales Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Introducing Titan's Disappearing Lake), 1.3 (Investigating the Molecular Scale) and 1.4 (Weird Water Events)
	Jan. 29-31	Lessons: 1.5 (Investigating Evaporation and Freezing), and 1.6 (Modeling the Molecular Scale) Chapter 2: Investigating Energy and Phase Change Lessons: 2.1 (Causing Freedom of Movement Changes),
	Feb. 3-7	Lessons: 2.2 (Understanding Energy Transfers) and 2.3 (Evaluating Evidence and Claims) Chapter 3: Investigating Attraction and Phase Change Lessons: 3.1 ("Liquid Oxygen"), 3.2 (Focusing on Molecular Attraction),
	Feb. 10-13	Lessons: 3.3 (Modeling Attraction), 3.4 (Critical Juncture Assessment), and 3.5 (Investigating Office Mysteries)
	Feb. 18-21	Chapter 4: Science Seminar Lessons: 4.1 (Introducing the Liquid Oxygen Problem), 4.2 (Analyzing Claims and Evidence), and 4. 3 (Science Seminar)
	Feb. 24-28	Lessons:4.4 (Writing a Scientific Argument) and 4.5 (End-of-Unit Assessment)
	Mar. 3-7	**Phase Change Engineering Internship** Chapter: Designing Portable Baby Incubators Days 1-3

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

Quarter	Dates	Amplify Core Content **Unit: Phase Change Engineering Internship (10 Lessons)**
Q3	Mar. 10-13	**Phase Change Engineering Internship** Days 4-6
	Mar. 17-20	**Phase Change Engineering Internship** Days 7-10
	Mar. 24-28	Spring Break
	Mar. 31- April 4	Flex Week

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

Quarter	Dates	**Amplify Core Content** **Unit: Chemical Reactions (19 Lessons)** **Populations and Resources (19 Lessons)**
Q4	April 7-11	Chapter 1: Properties and Atoms Lessons: 1.1 (Pre-Unit Assessment), 1.2 (A Water Mystery in Westfield), 1.3 Analyzing Substances and Properties and 1.4 (“Atomic Zoom-In”)
	April 14-18	Lessons: 1.5 (Investigating Atoms and Properties), and 1.6 (Identifying the Reddish Brown Substance) Chapter 2: Reactions Lessons: 2.1 (Investigating Substance Changes) and 2.2 (Explaining Chemical Reactions)
	April 21-24	Lessons: 2.3 (Explaining How the Rust Formed), 2.4 (Critical Juncture Assessment) and 2.5 (Reflecting on Chemical Reactions)
	April 28-May 2	Chapter 3: Accounting for Atoms Lessons: 3.1 (“What Happens When Fuels Burn?”), 3.2 (Burning at the Atomic Scale), 3.3 (Investigating How Products Form) and 3.4 (What’s in Westfields Water?
	May 5-9	Chapter 4: Science Seminar Lessons: 4.1 (Chemistry at the Crime Scene), 4.2 (Analyzing Claims and Evidence), 4.3 (Engaging in a Science Seminar) and 4.4 (End-of-Unit Assessment)
	May 12-16	**Unit: Populations and Resources** Chapter 1: Stability and Change in Populations Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Mysterious Moon Jelly Increase), 1.3 (Births and Deaths in Populations and 1.4 (Births and Deaths in the Jelly Population)

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

Quarter	Dates	**Amplify Core Content** **Unit: Populations and Resources**
Q4	May 19-23	Chapter 2: Energy and Changes to Populations Lessons: 2.1 (“Reproduction and Energy”), 2.2 (Energy Storage Molecules), 2.3 (Births Changing in a Population) and 2.4 (Deaths Changing in a Population)
	May 26-30	Lessons: 2.5 (Critical Juncture Assessment), 2.6 (Revisiting Key Concepts), 2.7 (Claims About the Jelly Increase)
	June 2-6	Flex Week