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

Quarter	Dates	Amplify Core Content Unit One: Microbiome (11 Lessons) Metabolism (19 Lessons)
Q1	Aug. 21-23	Community building/routines/procedures
	Aug. 26-30	Chapter 1: Microorganisms On and In the Human Body Lessons: 1.1 (Introduction to the Scale of Living Things), 1.2 (How Small Is Small?), and 1.3 (Observing Microorganisms)
	Sept. 2-6	Chapter 2: Arguing for the Benefits of Fecal Transplants Lessons: 2.1 (Reading "The Human Microbiome"), 2.2 (Beginning a Case Study of Patient 23), 2.3 (Investigating Antibiotics) and 2.4 (Analyzing Experiments with Mice)
	Sept. 9-13	Lessons: 2.5 (Analyzing Evidence About Fecal Transplants), 2.6 (Evaluating Evidence About Bacteria), 2.7 (Writing a Final Argument) and 2.8 End of Unit Assessment
	Sept. 16-20	**Unit Two: Metabolism) 19 Lessons** Chapter 1:Molecules Needed by the Cells Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Welcome to Medical School) and 1.3 (Evaluating Initial Claims About Elisa)
	Sept. 23-27	Chapter 2: Body Systems Lessons: 2.1 (Exploring the Classroom Body Systems Model), 2.2 (Patient Stories: Problems with Body Systems, 2.3 (Learning More About a Condition) and 2.4 (Conducting Sim Tests)
	Sept. 30- Oct. 4	Lessons: 2.5 (Critical Juncture Assessment), 2.6 (Playing Guess My Model) and 2.7 (Diagnosing Elisa)

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

Quarter	Dates	Amplify Core Content Unit One: Metabolism
Q1	Oct. 7-11	Chapter 3: Cellular Respiration Lessons: 3.1 (Learning About Energy Release in the Body), 3.2 (Exploring Chemical Reactions), 3.3 (Cellular Respiration, Growth, and Repair), 3.4 (“Blood Doping: Messing with Metabolism to Win Races”) and 3.5 (Modeling Cellular Respiration in an Athlete’s Body)
	Oct. 14-18	Flex Week
	Oct. 21-25	Chapter 4: Metabolism and Athletic Performance Lessons: 4.1 (Going for Gold: A Cycling Champion’s Story), and 4.2 (Analyzing Evidence)
	Oct. 28-Nov.1	Lessons: 4.3 (The Science Seminar) and 4.4 (End-of-Unit Assessment)

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

Quarter	Dates	Amplify Core Content **Unit: Metabolism Engineering Internship (10 Lessons)** **Traits and Reproduction (19 Lessons)**
Q2	Nov. 4-8	Chapters: Health Bars for Disaster Relief Day 1-5
	Nov. 11-15	Day 6-10
	Nov. 18-22	Flex Week
	Nov. 25-29	**Thanksgiving Break**
	Dec. 2-6	**Traits and Reproduction (19 Lessons)** Chapter 1: Exploring Variation in Spider Silk Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Introducing Spider Silk Research), and 1.3 (Surprising Spider Silk)
	Dec. 9-13	Lessons: 1.4 (Observing Proteins and Variation) and 1.5 (Investigating Proteins and Traits) Chapter 2: Examining Spider Genes Lessons: 2.1 (Hemophilia, Proteins, and Genes), 2.2 (Gathering Evidence About Genes),
	Dec. 16-20	Lessons: 2.3 (Investigating Gene Copies) and 2.4 Applying Ideas About Genes Chapter 3: Investigating Spider Inheritance Lessons: 3.1 (“Why Are Identical Twins Rare?”), 3.2 (Gathering Evidence About Inheritance), and 3.3 (Analyzing Variation and Reproduction)

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

Quarter	Dates	Amplify Core Content Unit: Traits and Reproduction
Q2	Dec. 16-20	Lessons: 3.4 (Critical Juncture Assessment),3.5 (Revisiting Key Concepts) and 3.6 (Reproduction in Darwin's Bark Spiders)
	Dec. 23-27	**Winter Break**
	Dec. 30- Jan. 3	
	Jan. 6-10	Chapter 4: Explaining Variation in Running Ability Lessons: 4.1 (Analyzing Evidence) and 4.2 (Science Seminar), 4.3 (Writing a Scientific Argument) and 4.4 (End-of-Unit Assessment)
	Jan. 13-17	Flex Week

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

Quarter	Dates	**Amplify Core Content** **Unit: Thermal Energy (19 Lessons)** **Ocean, Atmosphere, and Climate (19 Lessons)**
Q3	Jan. 20-24	Chapter 1: Understanding Temperature Lessons: 1.1 (Pre-Unit Assessment), 1.2 (Investigating Hot and Cold) and 1.3 (Temperature and Motion) and 1.4 (Molecules and Temperature)
	Jan. 27-31	Chapter 2: Temperature and Energy Lessons: 2.1 (Visualizing Motion Energy), 2.2 (“How Air Conditioners Make Cities Hotter”), 2.3 (Analyzing Evidence and Evaluating Claims) and 2.4 (Investigating Energy Transfer)
	Feb. 3-7	Lessons: 2.5 (Explaining Changes in Temperature), 2.6 (Critical Juncture Assessment) and 2.7 (Revisiting Energy and Molecules)
	Feb. 10-13	Chapter 3: Changes in Temperature Lessons: 3.1 (Thermal Energy Is NOT Temperature”) 3.2 (Thermal Energy and Temperature Change), 3.3 (Temperature Change and Equilibrium) and 3.4 (Recommending a Heating System)
	Feb. 18-21	Chapter 4: Water Pasteurization Lessons: 4.1 (Pasteurizing Water in an Emergency), 4.2 (Discussing the POW System), and 4.3 (Writing a Scientific Argument) 4.4 (End-of-Unit Assessment)
	Feb. 24-28	**Unit:Ocean, Atmosphere, and Climate** Chapter 1: Air Temperature Lessons: 1.1 Pre Unit Assessment, 1.2 What Determines the Air Temperature of a Location?, 1.3 Energy Transferred to Air, and 1.4 Air Temperatures Around the World

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

Quarter	Dates	**Amplify Core Content** **Unit: Ocean, Atmosphere, and Climate(19 Lessons)**
Q3	Mar. 3-7	Lessons: 1.2 Air Temperature in Christchurch Chapter 2: Ocean Currents Lessons: 2.1 “The Ocean in Motion”, 2.2 Ocean Temperatures at Different Locations, and 2.3 Currents and Air Temperature
	Mar. 10-13	Lessons: 2.4 Modeling Ocean Currents and Air Temperature, 2.5 Critical Juncture Assessment, and 2.6 The Climates of Peru
	Mar. 17-20	Chapter 3: Ocean Currents and Prevailing Winds Lessons: 3.1 “The Gulf Stream”, 3.2 What Determines the Direction of Ocean Currents?, 3.3 Christchurch: Air Temperature in Normal Years and 3.4 Explaining the Change in Air Temperature in Christchurch
	Mar. 24-28	Spring Break
	Mar. 31- Apr.4	Chapter 4: Science Seminar Lessons: 4.1 Comparing Air Temperature: Past and Present, 4.2 Science Seminar, 4.3 Writing a Scientific Argument and 4.4 End -of-Unit Assessment

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

Quarter	Dates	**Amplify Core Content** **Ocean, Atmosphere, and Climate (19 Lessons)** **Earth's Changing Climate (19)**
Q4	April 7-11	**Unit: Earth's Changing Climate** Chapter 1: Climate and the Atmosphere Lessons: 1.1 Pre-Unit Assessment, 1.2 Introduction to Climate Change, 1.3 Exploring Energy in the Earth System, and 1.4 Testing Changes to the Atmosphere
	April 14-18	Lessons: 1.5 Evidence About Gases in the Atmosphere Chapter 2: Energy Entering and Leaving Earth's System Lessons: 2.1 Introduction to Energy Entering and Leaving, 2.2 Reading "Past Climate Changes on Earth", and 2.3 Learning More About Past Climate Changes
	April 21-24	Lessons: 2.4 Critical Juncture Assessment 2.5 Reviewing Key Ideas in Climate Change, 2.6 Investigating Paths of Energy, and 2.7 Explaining Climate Change
	April 28-May 2	Chapter 3: Human Activity and Climate Lessons: 3.1 Investigating Human Activity and the Atmosphere, 3.2 Reading "Climate Change Solutions" Lessons: 3.3 Explaining Possible Solutions
	May 5-9	Chapter 4: Volcanic Eruptions and Climate Lessons: 4.1 Investigating Volcanic Eruptions, 4.2 Examining Evidence About Volcanic Eruptions, and 4.3 The Science Seminar
	May 12-16	Lessons 4.4 End-of-Unit Assessment Flex Week

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

Quarter	Dates	Amplify Core Content **Unit: Earth's Changing Climate Engineering Internship**
Q4	May 19-23	Unit: Earth's Changing Climate Engineering Internship Day 1-5
	May 26–30	Day 6-10
	June 2-6	Flex Week