

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

Quarter	Dates	Amplify Core Content Unit One: Microbiome
Q1	Aug. 28-31	Community building/routines/procedures
	Sept. 5-8	Microbiome: Microorganisms On and In the Human Body Chapter 1
	Sept. 11-15	Microbiome: Chapter 2 5-9
	Sept. 18-22	Microbiome: Lessons 10-11
	Sept. 25-29	Metabolism: Lesson 1-5
	Oct. 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)
	Oct. 9-13	Lessons: 2.5 (Analyzing Evidence About Fecal Transplants), 2.6 (Evaluating Evidence About Bacteria), 2.7 (Writing a Final Argument)
	Oct. 16-20	Lesson: 2.8 (End-of-Unit Assessment) Unit Two: Metabolism) 19 Lessons Chapter 1: Molecules Needed by the Cells Lessons: 1.1 (Pre-Unit Assessment), and 1.2 (Welcome to Medical School)

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

Quarter	Dates	Amplify Core Content Unit One: Metabolism
Q1	Oct. 23-27	Lessons: 1.3 (Evaluating Initial Claims about Elisa), Chapter 2 Body Systems Lessons: 2.1 (Exploring the Classroom Body Systems Model), 2.2 (Patient Stories: Problems with Body Systems and 2.3 (Learning More About a Condition)
	Oct. 30-Nov. 3	Lessons: 2.4 (Conducting Sim Tests), 2.5 (Critical Juncture Assessment), 2.6 (Playing Guess My Model) and 2.7 (Diagnosing Elisa)

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Quarter	Dates	Amplify Core Content Unit: Metabolism Cont. & Metabolism Engineering Internship (10 Lessons)
Q2	Nov. 6-10	Chapter 3: Cellular Respiration Lessons: 3.1 (Learning About Energy Release in the Body), 3.2 (Exploring Chemical Reactions) and 3.3 (Cellular Respiration, Growth, and Repair)
	Nov. 13-17	Lessons: 3.4 (Blood Doping: Messing with Metabolism to Win Races”) and 3.5 (Modeling Cellular Respiration in an Athlete’s Body)
	Nov. 20-24*	Thanksgiving Break
	Nov. 27-1	Chapter 4: Metabolism and Athletic Performance Lessons: 4.1 (Going for Gold: A Cycling Champion’s Story), 4.2 (Analyzing Evidence) and Lessons: 4.3 (The Science Seminar)
	Dec. 4-8	Flex week used to catch up to pacing
	Dec. 11-15	4.4 (End of Unit Assessment) Metabolism Engineering Internship Health Bars for Disaster Relief Day 1(Introducing the Engineering Internship)
	Dec. 18-22	Days 2 and 3
	Dec. 25-29	Winter Break

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Quarter	Dates	Amplify Core Content Unit: Metabolism Engineering Internship cont.
Q2	Jan. 8-12	Health Bars for Disaster Relief Days 4-7
	Jan. 15-19	Health Bars for Disaster Relief Days 8-10

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Quarter	Dates	Amplify Core Content Unit: Traits and Reproduction (19 Lessons) Thermal Energy (19 Lessons)
Q3	Jan. 22-26	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)
	Jan. 29-Feb. 2	Lessons 1.4 (Observing Proteins and Variation) and 1.5 (Investigating Proteins and Traits) Chapter 2: Examining Spider Genes Lesson: 2.1 (“Hemophilia, Proteins and Genes”)
	Feb. 5-9	Lessons: 2.2 (Gathering Evidence About Genes), 2.3 (Investigating Gene Copies Genes), and 2.4 (Applying Ideas About Genes)
	Feb. 12-16	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)
	Feb. 19-23	Lesson: 3.4 (Critical Juncture Assessment), 3.5 (Revisiting Key Concepts), and 3.6 (Reproduction in Darwin's Bark Spiders)
	Feb. 26-Mar. 1	Chapter 4: Explaining Variation in Running Ability Lessons: 4.1 (Analyzing Evidence), and 4.2 (Science Seminar)
	Mar. 4-8	Lessons: 4.3 (Writing a Scientific Argument) and 4.4 (End-of- Unit Assessment)
	Mar. 11-15	Unit: Thermal Energy Chapter 1: Understanding Temperature Lessons: 1.1 (Pre-Unit Assessment), and 1.2 (Investigating Hot and Cold)

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Quarter	Dates	Amplify Core Content Unit: Thermal Energy (19 Lessons)
Q3	Mar. 18-22	Lessons: 1.3 (Temperature and Motion) and 1.4 (Molecules and Temperature)
	Mar. 25-29	Spring Break
	April 1-5	Chapter 2: Temperature and Energy Lessons: 2.1 (Visualizing Motion Energy), 2.2 (“How Air Conditioners Make Cities Hotter”) and 2.3 (Analyzing Evidence and Evaluating Claims)

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Quarter	Dates	Amplify Core Content Unit: Thermal Energy (19 Lessons) Ocean, Atmosphere, and Climate (19 Lessons)
Q4	April 8-12	Chapter 2: Temperature and Energy Lessons: 2.4 (Investigating Energy Transfer), 2.5 (Explaining Changes in Temperature), 2.6 (Critical Juncture Assessment), and 2.7 (Revisiting Energy and Molecules)
	April 15-19	Chapter 3: Changes in Temperature Lessons: 3.1 (“Thermal Energy Is NOT Temperature”), 3.2 (Thermal E Energy and Temperature Change), 3.3 (Temperature Change and Equilibrium) and 3.4 (Recommending a Heating System)
	April 22-26	Chapter 4: Water Pasteurization Lessons: 4.1 (Pasteurizing Water in an Emergency), 4.2 (Discussing the POW System), 4.3 (Writing a Scientific Argument) and 4.4 (End of Unit Assessment)
	April 29-May 3	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)
	May 6-10	Lessons: 1.5 (Air Temperature in Christchurch) Chapter 2 Ocean Currents Lessons: 2.1 (“The Ocean in Motion”), 2.2 (Ocean Temperatures at Different Locations), 2.3 (Currents and Air Temperature) and 2.4 (Modeling Ocean Currents and Air Temperature)
	May 13-17	Lessons: 2.5 (Critical Juncture Assessment), 2.6 (The Climates of Peru) Chapter 3: Ocean Currents and Prevailing Winds Lessons: 3.1 (“The Gulf Stream”), 3.2 (What Determines the Direction of Ocean Currents)

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Quarter	Dates	Amplify Core Content Ocean, Atmosphere, and Climate (19 Lessons)
Q4	May 20-24	Lessons: 3.3 (Christchurch: Air Temperature in Normal Years) and 3.4 (Explaining the Change in Air Temperature in Christchurch) Chapter 4: Science Seminar Lesson: 4.1 (Comparing Air Temperature: Past and Present)
	May 27-31	Lessons: 4.2 (Science Seminar), and 4.3 (Writing A Scientific Argument)
	June 3-7	Lesson: 4.4 (End-of-Unit Assessment)