

Science 21 Pacing Guides

Updated July 2023

Although each grade looks similar, each unit has a different number of lessons.

The grade K-2 band curriculum is designed in three units.

Kindergarten Pacing Guide

Unit 1	Weather and Climate/Matter and Its Interactions		
Unit 2	Forces and Interactions: Pushes and Pulls		
Unit 3	Interdependent Relationships in Ecosystems: Animals, Plants, and Their Environment		
September		October	
Unit 1 Lessons 1 - 4	Unit 1 Lessons 5 - 12		Unit 1 Lessons 13-15
December		January	
Unit 2 Lessons 3 - 6	Unit 2* Lessons 7 – 12 <small>*Unit 3 will be delivered in January for all grade levels.</small>		Unit 3 Lessons 1 - 4
March		April	
Unit 3 Lessons 5 - 9	Unit 3 Lessons 10 - 14		Unit 3 Lessons 15 - 19
		June	
		Unit 3 Lessons 20 - 22	

Grade 1 Pacing Guide

Unit 1	Earth's Systems: Patterns and Cycles		
Unit 2	Waves: Light and Sound		
Unit 3	Structure, Function, and Information Processing		
September		October	
Unit 1 Lessons 1 - 4	Unit 1 Lessons 5 - 9		Unit 2 Lessons 1 - 4
December		January	
Unit 2 Lessons 5 - 8	Unit 2* Lessons 9 – 12 <small>*Unit 3 will be delivered in January for all grade levels.</small>		Unit 3 Lessons 1 - 4
March		April	
Unit 3 Lessons 5 - 8	Unit 3 Lessons 9 - 11		Unit 3 Lessons 12 - 13

Grade 2 Pacing Guide

Unit 1	Structure and Properties of Matter	
Unit 2	Earth's Systems: Processes that Shape the Earth	
Unit 3	Interdependent Relationships in Ecosystems	
September	October	November
Unit 1 Lessons 1 - 4	Unit 1 Lessons 5 - 10	Unit 1 Lessons 11 - 14
December	January	February
Unit 2 Lessons 1 - 5	Unit 2* Lessons 6 – 10 <small>*Unit 3 will be delivered in January for all grade levels.</small>	Unit 2 Lessons 11 - 15
March	April	May
Unit 3 Lessons 1 - 4	Unit 3 Lessons 5 - 8	Unit 3 Lessons 9 - 12

The grade 3-5 band curriculum is designed in four units.

Grade 3 Pacing Guide

Unit 1	Forces and Interactions			
Unit 2	Interdependent Relationships in Ecosystems			
Unit 3	Weather and Climate			
Unit 4	Inheritance and Variation of Traits: Life Cycles and Traits			
September		October		November
Unit 1 Lessons 1 - 4		Unit 1 Lessons 5 - 10		Unit 2 Lessons 1 - 5
December		January		February
Unit 2 Lessons 6 - 10		Unit 2 Lessons 11-12	Unit 3 Lessons 1 - 3	Unit 3 Lessons 4 - 8
March		April		May
Unit 3 Lessons 9-10	Unit 4 Lessons 1 - 2	Unit 4 Lessons 3 - 6		Unit 4 Lessons 7 - 10

Grade 4 Pacing Guide

Unit 1	Structure, Function, and Information Processing			
Unit 2	Energy			
Unit 3	Waves: Waves and Information			
Unit 4	Earth's Systems: Processes that Shape the Earth			
September		October		November
Unit 1 Lessons 1 - 3		Unit 1 Lessons 4 - 8		Unit 2 Lessons 1 - 4
December		January		February
Unit 2 Lessons 5 - 8		Unit 2 Lesson 9	Unit 3 Lessons 1 - 3	Unit 3 Lessons 4 - 8
March		April		May
Unit 3 Lesson 9	Unit 4 Lessons 1 - 3	Unit 4 Lessons 4 - 7		Unit 4 Lessons 8 - 11

Grade 5 Pacing Guide

Unit 1	Space Systems: Stars and the Solar System			
Unit 2	Structure and Properties of Matter			
Unit 3	Earth's Systems			
Unit 4	Matter and Energy in Organisms and Ecosystems			
September		October		November
Unit 1 Lessons 1 - 4		Unit 1 Lessons 5 - 9		Unit 2 Lessons 1 - 5
December		January		February
Unit 2 Lessons 6 - 10		Unit 2 Lessons 11-12	Unit 3 Lessons 1 - 3	Unit 3 Lessons 4 - 8
March		April		May
Unit 3 Lessons 9-10	Unit 4 Lessons 1 - 3	Unit 4 Lessons 4 - 8		Unit 4 Lessons 9 - 11