

This chart identifies some of the options for unit and lesson print and digital instruction. Although the Digital Student Edition and the print Student Activity Guide are not a one-to-one match, they cover the same content and standards and share the same unit, lesson, and 5E structure.

- **Core Path** The Core path is the recommended path to cover all of the Next Generation Science Standards. At Grade 3, the recommended Core path is based on 30-minute instructional segments occurring 3 times per week for approximately 30 weeks.
- **Extended Path** If you have additional time, the Extended path provides additional opportunities to explore and reinforce the science content.
- **Short-on-Time Path** If you have less time than the Core path assumes, the Short-on-Time path highlights key pieces to focus on. The Short-on-Time path covers many, but not all, of the standards.
- **Blended Path** If you need more time for science, we recommend using the Blended path. In the Blended path, you use available science instruction time plus 30 minutes of English Language Arts instruction time to explore the FUNomenal Readers in order to cover all of the standards.
- **Customized Path** While we have provided pacing estimates, you may find some things can go faster or slower in your classroom. You can make your own pacing notes in the “customize your pacing” column.

 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Unit 1 Engineering and Technology	225 min (7.5, ½ hour segments)	315 min (10.5, ½ hour segments)	630 min (21, ½ hour segments)	255 min (8.5, ½ hour segments)	
Unit Project 			90 min 3, ½ hour segments		
You Solve It 			30 min		
Unit Performance Task 			45 min		

			1.5, ½ hour segments		
Lesson 1 Design a Solution to a Problem	180 min (6, ½ hour segments)	240 min (8, ½ hour segments)	345 min (11.5, ½ hour segments)	210 min (7, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Plant Problems Hands-On Activity  	75 min 2.5, ½ hour segments	75 min 2.5, ½ hour segments	75 min 2.5, ½ hour segments	75 min 2.5, ½ hour segments	
Exploration 2 Looking it Over Hands-On Activity  	60 min 2, ½ hour segments	60 min 2, ½ hour segments	60 min 2, ½ hour segments	60 min 2, ½ hour segments	
Exploration 3 Exploring Engineering Problems  		30 min	30 min		
Exploration 4 Making and Testing Solutions  		15 min	15 min		
Exploration 5 Improving Over Time  		15 min	15 min		
Elaborate FUNomenal Reader—Fortified			30 min	 30 min	
 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		

Lesson Quiz 1  Formative Assessment (Assessment Guide)			30 min		
Unit Review   Summative Assessment		30 min	30 min		
Unit 1 Test  Summative Assessment (Assessment Guide)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	
Other Assessments (Assessment Guide)					
Unit 1 Readiness Check  (Assessment Guide)			15 min		
Beginning-of-Year Test			30 min		

 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Unit 2 Forces and Motion	390 min (13, ½ hour segments)	555 min (18.5, ½ hour segments)	1185 min (39.5, ½ hour segments)	480 min (16, ½ hour segments)	
Unit Project 			90 min 3, ½ hour segments		
You Solve It 			30 min		
Unit Performance Task 			90 min 3, ½ hour segments		
Lesson 1 Forces	120 min (4, ½ hour segments)	165 min (5.5, ½ hour segments)	270 min (9, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Move the Car Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 2 Ramp Moves Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 3 Which Way?  		15 min	15 min		
Exploration 4 What Are Contact Forces?  		15 min	15 min		
Exploration 5 Gravity Can Bring You Down  		15 min	15 min		
Elaborate FUNomenal Reader—The Circus Is Coming!			30 min	 30 min	

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Elaborate Take It Further 			45 min 1.5, ½ hour segments	Elaborate Take It Further 	
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		
Lesson Quiz 1  Formative Assessment (Assessment Guide)			30 min		
Lesson 2 Motion	105 min (3.5, ½ hour segments)	135 min (4.5, ½ hour segments)	240 min (8, ½ hour segments)	135 min (4.5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Move It Hands-On Activity  	15 min	15 min	15 min	15 min	
Exploration 2 Tick Tock Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 3 Patterns in Speed and Direction  		30 min	30 min		
Elaborate FUNomenal Reader—Sports Science			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	

Evaluate Checkpoints   Formative Assessment		15 min	15 min		
 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Lesson Quiz 2  Formative Assessment (Assessment Guide)			30 min		
Lesson 3 Forces That Act from a Distance	120 min (4, ½ hour segments)	180 min (6, ½ hour segments)	285 min (9.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Solve a Magnet Problem Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 2 Build an Electromagnet Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 3 Magnets Everywhere!  		30 min	30 min		
Exploration 4 It's Electric!  		30 min	30 min		
Elaborate FUNomenal Reader—Master of Currents			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		

Lesson Quiz 3  Formative Assessment (Assessment Guide)			30 min		
Unit Review   Summative Assessment		30 min	30 min		
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Unit 2 Test  Summative Assessment (Assessment Guide)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	
Other Assessments (Assessment Guide)					
Unit 2 Readiness Check  (Assessment Guide)			15 min		
Performance-Based Assessment— Push Me, Pull You Task 1 (Assessment Guide) 			45 min (1.5, ½ hour segments)		
Performance-Based Assessment— Push Me, Pull You Task 2 (Assessment Guide) 			30 min		
Performance-Based Assessment— Push Me, Pull You Part 2 (Assessment Guide) 			15 min		

 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Unit 3 Life Cycles and Inherited Traits	405 min (13.5, ½ hour segments)	600 min (20, ½ hour segments)	1260 min (42, ½ hour segments)	495 min (16.5, ½ hour segments)	
Unit Project 			45 min 1.5, ½ hour segments		
You Solve It 			30 min		
Unit Performance Task 			45 min 1.5, ½ hour segments		
Lesson 1 All Organisms Have a Life Cycle	120 min (4, ½ hour segments)	240 min (8, ½ hour segments)	345 min (11.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Exploring a Change Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 2 Comparing Life Cycles Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 3 So Many Changes!  		45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments		
Exploration 4 How Do Life Cycles Differ?  		45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments		
Exploration 5 Broken Cycles  		30 min	30 min		

Elaborate FUNomenal Reader—Ume and Me			30 min	 30 min	
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Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		
Lesson Quiz 1  Formative Assessment (Assessment Guide)			30 min		
Lesson 2 Plants and Animals Inherit Traits from Their Parents	120 min (4, ½ hour segments)	135 min (4.5, ½ hour segments)	240 min (8, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 What Will It Look Like? Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 2 Monster Traits Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 3 Parents and Offspring  		15 min	15 min		
Elaborate FUNomenal Reader—Dog Show			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		

Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		
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Lesson Quiz 2  Formative Assessment (Assessment Guide)			30 min		
Lesson 3 Organisms Use Strategies To Be Successful in Their Environment	120 min (4, ½ hour segments)	150 min (5, ½ hour segments)	255 min (8.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Battle of the Beans! Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 2 All for One Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 3 Differences That Win  		15 min	15 min		
Exploration 4 Better Together  		15 min	15 min		
Elaborate FUNomenal Reader—Better with Friends			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	

Evaluate Checkpoints   Formative Assessment		15 min	15 min		
Lesson Quiz 3  Formative Assessment (Assessment Guide)			30 min		
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Unit Review   Summative Assessment		30 min	30 min		
Unit 3 Test  Summative Assessment (Assessment Guide)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	
Other Assessments (Assessment Guide)					
Unit 3 Readiness Check  (Assessment Guide)			15 min		
Mid-Year Test			60 min (2, ½ hour segments)		
Performance-Based Assessment— Luck of the Trait Task 1 (Assessment Guide) 			90 min (3, ½ hour segments)		
Performance-Based Assessment— Luck of the Trait Task 2 (Assessment Guide) 			45 min (1.5, ½ hour segments)		
Performance-Based Assessment— Luck of the Trait Part 2 (Assessment Guide) 			15 min		

 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Unit 4 Organisms and Their Environments	510 min (17, ½ hour segments)	735 min (24.5, ½ hour segments)	1515 min (50.5, ½ hour segments)	630 min (21, ½ hour segments)	
Unit Project 			90 min 3, ½ hour segments		
You Solve It 			30 min		
Unit Performance Task 			90 min 3, ½ hour segments		
Lesson 1 The Environment Affects Traits	120 min (4, ½ hour segments)	150 min (5, ½ hour segments)	255 min (8.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Will They Grow? Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 2 Designed Environments Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 3 Plants and Their Environments  		15 min	15 min		
Exploration 4 Animals and Their Environments  		15 min	15 min		
Elaborate FUNomenal Reader—Garden Mystery			30 min	 30 min	
Elaborate Take It Further 			45 min		

			1.5, ½ hour segments		
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Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		
Lesson Quiz 1  Formative Assessment (Assessment Guide)			30 min		
Lesson 2 Adaptations Aid Organisms' Survival	120 min (4, ½ hour segments)	180 min (6, ½ hour segments)	285 min (9.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 How Do Structures Help? Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 2 How Do Behaviors Help? Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 3 Adapted Organisms  		30 min	30 min		
Exploration 4 Adaptation and Environment  		30 min	30 min		
Elaborate FUNomenal Reader—Nature Walk			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		

Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		
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Lesson Quiz 2  Formative Assessment (Assessment Guide)			30 min		
Lesson 3 Environments Change	105 min (3.5 ½ hour segments)	150 min (5, ½ hour segments)	255 min (8.5, ½ hour segments)	135 min (4.5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Wild Horses Hands-On Activity  	15 min	15 min	15 min	15 min	
Exploration 2 How Can It Cross the Road? Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 3 Everything Changes  		15 min	15 min		
Exploration 4 Moving On Upstream  		30 min	30 min		
Elaborate FUNomenal Reader—The Buzz in the Neighborhood			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	

Evaluate Checkpoints   Formative Assessment		15 min	15 min		
Lesson Quiz 3  Formative Assessment (Assessment Guide)			30 min		
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Lesson 4 Evidence of Past Environments	120 min (4, ½ hour segments)	180 min (6, ½ hour segments)	285 min (9.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 How Do Fossils Form? Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 2 What Can You Learn from a Fossil? Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 3 Evidence of Change  		30 min	30 min		
Exploration 4 Environments and Slow Change  		30 min	30 min		
Elaborate FUNomenal Reader—Fossil Finder			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		

Lesson Quiz 4  Formative Assessment (Assessment Guide)			30 min		
Unit Review   Summative Assessment		30 min	30 min		
 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Unit 4 Test  Summative Assessment (Assessment Guide)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	
Other Assessments (Assessment Guide)					
Unit 4 Readiness Check  (Assessment Guide)			15 min		
Performance-Based Assessment— Creature Creation Task 1 (Assessment Guide) 			60 min (2, ½ hour segments)		
Performance-Based Assessment— Creature Creation Task 2 (Assessment Guide) 			60 min (2, ½ hour segments)		
Performance-Based Assessment— Creature Creation Part 2 (Assessment Guide) 			15 min		

 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Unit 5 Weather Impacts	390 min (13, ½ hour segments)	600 min (20, ½ hour segments)	1350 min (45, ½ hour segments)	480 min (16, ½ hour segments)	
Unit Project 			90 min 3, ½ hour segments		
You Solve It 			45 min 1.5, ½ hour segments		
Unit Performance Task 			90 min 3, ½ hour segments		
Lesson 1 We Can Predict Weather	120 min (4, ½ hour segments)	180 min (6, ½ hour segments)	285 min (9.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Weather Here and There Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 2 Regional Weather Hands-On Activity  	30 min	30 min	30 min	30 min	
Exploration 3 A Year of Change  		30 min	30 min		
Exploration 4 Predicting Weather  		30 min	30 min		
Elaborate FUNomenal Reader—Weather Watchers			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		

Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Evaluate Checkpoints   Formative Assessment		15 min	15 min		
Lesson Quiz 1  Formative Assessment (Assessment Guide)			30 min		
Lesson 2 Severe Weather	120 min (4, ½ hour segments)	210 min (7, ½ hour segments)	315 min (10.5, ½ hour segments)	150 min (5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 The Answer is Blowing in the Wind Hands-On Activity  	15 min	15 min	15 min	15 min	
Exploration 2 Smashing Weather Hands-On Activity  	60 min 2, ½ hour segments	60 min 2, ½ hour segments	60 min 2, ½ hour segments	60 min 2, ½ hour segments	
Exploration 3 Cause-and-Effect Weather  		30 min	30 min		
Exploration 4 Reducing Risk  		60 min 2, ½ hour segments	60 min 2, ½ hour segments		
Elaborate FUNomenal Reader—Dodging Danger			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	

Evaluate Checkpoints   Formative Assessment		15 min	15 min		
 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Lesson Quiz 2  Formative Assessment (Assessment Guide)			30 min		
Lesson 3 Types of Climates	105 min (3.5, ½ hour segments)	135 min (4.5, ½ hour segments)	240 min (8, ½ hour segments)	135 min (4.5, ½ hour segments)	
Engage Can You Explain It?  	15 min	15 min	15 min	15 min	
Exploration 1 Feel the Heat! Hands-On Activity  	15 min	15 min	15 min	15 min	
Exploration 2 Looking for a New Home Hands-On Activity  	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	45 min 1.5, ½ hour segments	
Exploration 3 Out of Place  		30 min	30 min		
Elaborate FUNomenal Reader—From Zone to Zone			30 min	 30 min	
Elaborate Take It Further 			45 min 1.5, ½ hour segments		
Evaluate Can You Explain It?  	30 min	15 min	15 min	30 min	
Evaluate Checkpoints   Formative Assessment		15 min	15 min		
Lesson Quiz 3  Formative Assessment (Assessment Guide)			30 min		

Unit Review   Summative Assessment		30 min	30 min		
 = print resource  = digital resource	Short on Time	Core	Extended	Blended	Customize Your Own Path
Unit 5 Test  Summative Assessment (Assessment Guide)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	45 min (1.5, ½ hour segments)	
Other Assessments (Assessment Guide)					
Unit 5 Readiness Check  (Assessment Guide)			15 min		
End-of-Year Test (Assessment Guide) 			60 min (2, ½ hour segments)		
Performance-Based Assessment— Winding Down Task 1 (Assessment Guide) 			45 min (1.5, ½ hour segments)		
Performance-Based Assessment— Winding Down Task 2 (Assessment Guide) 			45 min (1.5, ½ hour segments)		
Performance-Based Assessment— Winding Down Task 3 (Assessment Guide) 			30 min		
Performance-Based Assessment— Winding Down Part 2 (Assessment Guide) 			15 min		