



SECOND GRADE SCIENCE PACING GUIDE

FIRST QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
	SS WEEKS 1-3			
Unit 1 – Forces Around Us	2 Weeks (Weeks 4-5)	1. Pushes, Pulls, and Collisions 2. Strength in Motion	• 2.PS2.1 • 2.PS2.2 • 2.PS3.1 • 2.PS3.2 • 2.ETS1.1 • 2.ETS1.2	• I can analyze the push or pull that occurs when objects collide or are connected. • I can plan and carry out an investigation to demonstrate how a push or pull affects the motion of an object. • I can apply an engineering design approach to identify and solve problems. • I can explain how objects push on each other and may change shape when they collide.
Unit 3 – Animals	2 Weeks (Weeks 6-9)	1. Animal Structures 2. Functions of Animal Structures 3. Animals and Their Parents	• 2.LS1.1 • 2.LS1.3 • 2.ETS1.1	• I can explain the structure and function of different animal body parts. • I can explain how animal body parts help them and their young survive. • I can identify the similarities and differences between an animal and their offspring.
SECOND QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
Unit 3 Animals	2 Weeks (Weeks 1- 2)	1. Animal Behaviors 2. Animal Communication	• 2.LS1.1 • 2.LS1.3 • 2.ETS1.1	• I can explain how an animal’s behavior helps them survive. • I can explain how an animal communicates.
	SS WEEKS 3-4			

Unit 2 Introduction to Waves	2 Weeks (Weeks 5-6)	1.Sound and its Uses 2.Light and its Uses	• 2.PS4.1 • 2.PS4.2 • 2.PS4.3 • 2.ETS1.3 • 2.ETS2.2	• I can explain how you can use sound to communicate over a distance. • I can explain how you can use light to communicate over a distance.
	SS WEEKS 7-9			
THIRD QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
	SS WEEKS 1-3			
Unit 5 – Earth’s Changing Landscape	3 weeks (Weeks 4-6)	1. Slow Changes to Earth’s Landscape 2. Quick Changes to Earth’s Landscape 3. Design Solutions to Slow Landscape Changes	• 2.ESS1.1 • 2.ESS2.2 • 2.ETS1.1 • 2.ETS1.3 • 2.ETS2.2	• I can make observations and construct explanations for changes to Earth’s landscape that can happen very slowly. • I can make observations and construct explanations for changes to Earth’s landscape that can happen very quickly. • I can develop and use models to compare multiple solutions to slow or prevent changes to Earth’s landscape.
	SS WEEKS 7-8			
Unit 4 – Living Things	2 Weeks (Weeks 9-10)	1.Local Habitats 2.Land Habitats 3.Water Habitats	• 2.LS2.1 • 2.ETS2.1	• I can make observations of plants and animals to compare the diversity of life in their local habitat and what they need to survive.
FOURTH QUARTER				
UNIT	PACING	TOPICS	STANDARDS	LEARNING OBJECTIVES
	SS WEEKS 1-2			

Unit 6 – Land and Water	2 weeks (Weeks 3-4)	1. Local Landscapes 2. Land on Earth 3. Water on Earth	• 2.ESS2.3 • 2.ESS2.4 • 2.ESS2.2	• I can develop and use models to observe patterns in where land and water are located. • I can obtain, evaluate, and communicate information to observe patterns in where water is found on Earth.
	SS WEEKS 5-6			
Family Life	Family life (Week 7)			• Follow BCS PPT/Guides.
	SS WEEKS 8-9			