



Franklin County School 4th Grade Science Curriculum Pacing Guide
1st Nine Weeks-Unit 1 “Matter and Change”

Week 1	Week 2	Week 3	Week 4 <u>Foundational</u> <u>Assessment (Form B)</u>
Unit 1-Concept 1 “Describing Matter” Lessons 1-3 BEST Standards SC.4.P.8.1 SC.4.P.8.3 SC.4.P.8.4 Lesson 1-How can we describe matter: Lesson 2- All About Matter Lesson 3-Measuring Matter	Unit 1-Concept 1 “Describing Matter” Lessons 4-8 BEST Standards SC.4.P.8.1 SC.4.P.8.3 SC.4.P.8.4 Lesson 4-Matter and Properties Lesson 5-The Property of Magnetism” Lesson 6-No Change in Mass Lesson 7- How Can We Describe Matter? Lesson 8-Changing Clay for a Job	Unit 1-Concept 1 “Describing Matter” Lesson 9 BEST Standards SC.4.P.8.1 SC.4.P.8.3 SC.4.P.8.4 Lesson 9-Describing Matter Review for Assessment (1 day) “Describing Matter” Summative Assessment (1 day)	Unit 1 Concept 2 “Changes in Materials” Lessons 1-3 BEST Standards SC.4.P.9.1 Lesson 1-How Can Materials Change Form? Lesson 2- How Matter Changes Lesson 3-Materials Change Every Day

Week 5	Week 6	Week 7	Week 8
Unit 1 Concept 2 “Changes in Materials” Lessons 4-7 BEST Standards SC.4.P.9.1 Lesson 4-A Small Sacrifice Lesson 5- How Can Materials Change Form? Lesson 6-Finding New Fuels Lesson 7-Changes in Materials	Unit 1 Concept 2 “Changes in Materials” Review/Assess BEST Standards SC.4.P.9.1 Review for Assessment (1 day) “Changes in Materials” Summative Assessment	Unit 1 Concept 3 “Water Properties” Lessons 1-4 BEST Standards SC.4.P.8.2 Lesson 1- How Can Water Be Described and Used? Lesson 2-Clink! Splash! Ice and Water Lesson 3- The Importance of Water on Earth Lesson 4- Using Fresh Water	Unit 1 Concept 3 “Water Properties” Lessons 5-7 BEST Standards SC.4.P.8.2 Lesson 5-How Can Water Be Used and Described Lesson 6-Careers and States of Matter Lesson 7-Water Properties
Week 9			
Unit 1 Concept 3 “Water Properties” Review/Assessment Best Standards SC.4.P.8.2 Review for Assessment (1 day) “Water Properties” Summative Assessment”			

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Franklin County School 4th Grade Science Curriculum Pacing Guide
2nd Nine Weeks- Unit 2 “Motion, Sound, and Energy”

Week 1	Week 2	Week 3	Week 4
Unit 2 Concept 1 “Objects in Motion” Lessons 1-4 BEST Standards SC.4.P.12.1 SC.4.P.12.2 Lesson 1- How Can We Describe Objects in Motion? Lesson 2- An Object in Motion Lesson 3-Describing Motion Lesson 4- Knowing an Object is in Motion	Unit 2 Concept 1 “Objects in Motion” Lessons 5-7 BEST Standards SC.4.P.12.1 SC.4.P.12.2 Lesson 5- How Can We Describe Objects in Motion? Lesson 6- Careers That Apply Knowledge of Forces and Motion Lesson 7- Objects in Motion Review for Assessment (1 day) “Objects in Motion” Summative Assessment	Unit 2 Concept 2 “Transferring Energy” Lessons 1-3 BEST Standards SC.4.P.10.1 SC.4.P.10.2 SC.4.P.10.4 Lesson 1- What Happens When Energy is Transferred? Lesson 2- Energy and Everyday Objects Lesson 3- Forms of Energy	Unit 2 Concept 2 “Transferring Energy” Lessons 4-8 BEST Standards SC.4.P.10.1 SC.4.P.10.2 SC.4.P.10.4 Lesson 4- Energy Makes It Happen Lesson 5- Types of Energy Lesson 6- Waves and Energy Transfer Lesson 7-What Happens When Energy is Transferred? Lesson 8- Careers and Sound Engineering

Week 5	Week 6	Week 7	Week 8
Unit 2 Concept 2 “Transferring Energy” Lesson 9 Review/Assessment BEST Standards SC.4.P.10.1 SC.4.P.10.2 SC.4.P.10.4 Lesson 9- Transferring Energy Review for Assessment (1 day) “Transferring Energy” Summative Assessment	Unit 2 Concept 3 “Investigating Sound” Lessons 1-5 BEST Standards SC.4.P.10.3 Lesson 1- How Is Sound Produced? Lesson 2- Pitch Lesson 3- Rubber Band Sounds Lesson 4- Vibration and Sound Lesson 5-A Boy Genius	Unit 2 Concept 3 “Investigating Sound” Lessons 6-8 Review/Assessment BEST Standards SC.4.P.10.3 Lesson 6- How is Sound Produced? Lesson 7- Careers and Sound Waves Lesson 8- Investigating Sound Review for Assessment (1 day) “Investigating Sound” Summative Assessment	Unit 2 Concept 4 “Conducting Heat” Lessons 1-5 BEST Standards SC.4.P.11.1 SC.4.P.11.2 Lesson 1- How Is Heat Conducted? Lesson 2- Temperature Rising Lesson 3- Sound, Heat, and Light Lesson 4- Conduction, Convection, and Radiation Lesson 5- How Energy Moves
Week 9	Week 9 Cont'd		
Unit 2 Concept 4 “Conducting Heat” Lessons 6-8 Review/Assessment	Lesson 8- Conducting Heat Review for Assessment (1 day)		

BEST Standards SC.4.P.11.1 SC.4.P.11.2 Lesson 6- How Is Heat Conducted? Lesson 7- Technology and Thermal Energy	“Conducting Heat” Summative Assessment		
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Franklin County School 4th Grade Science Curriculum Pacing Guide
3rd Nine Weeks- Unit 3 “Earth, Moon, and Space”

Week 1	Week 2	Week 3	Week 4
Unit 3 Concept 1 “Rocks and Minerals” Lessons 1-4 BEST Standards SC.4.E.6.1 SC.4.E.6.2 Lesson 1- How Do Rocks and Minerals Compare? Lesson 2- Classifying Minerals Lesson 3- Rocks Lesson 4- What Are Rocks?	Unit 3 Concept 1 “Rocks and Minerals” Lessons 5-8 Review/Assessment BEST Standards SC.4.E.6.1 SC.4.E.6.2 Lesson 5-Solid as a Rock Lesson 6- How Do Rocks and Minerals Lesson 7- Human-Made Rocks Lesson 8-Rocks and Minerals	Unit 3 Concept 2 “Weathering and Erosion” Lessons 1-3 BEST Standards SC.4.E.6.4 Lesson 1-How Do Weathering and Erosion Affect Earth’s Surface? Lesson 2-Earth's Changing Surface Lesson 3- Force That Shape Earth	Unit 3 Concept 2 “Weathering and Erosion” Lessons 4-7 BEST Standards SC.4.E.6.4 Lesson 4- Soil Erosion Lesson 5-Erosion Lesson 6- Slow Changes Lesson 7- How Do Weathering and Erosion Affect Earth’s Surface

	“Rocks and Minerals” Review and Summative Assessment		
Week 5	Week 6	Week 7	Week 8
Unit 3 Concept 2 “Weathering and Erosion” Lessons 8-9 Review/Assessment BEST Standards SC.4.E.6.4 Lesson 8-Geologists Lesson 9 Weathering and Erosion Review “Weathering and Erosion” Summative Assessment	Unit 3 Concept 3 “Renewable and Nonrenewable Resources” Lessons 1-4 BEST Standards SC.4.E.6.3 SC.4.E.6.6 Lesson 1- Why Are Renewable and Nonrenewable Resources Important? Lesson 2-Value of Renewable Resources Lesson 3-Resources All Around Lesson 4-Natural Resources	Unit 3 Concept 3 “Renewable and Nonrenewable Resources” Lesson 5- 8 BEST Standards SC.4.E.6.3 SC.4.E.6.6 Lesson 5-Differences in Renewable and Nonrenewable Resources Lesson 6- Renewable and Nonrenewable Resources Lesson 7-Why are Renewable and Nonrenewable Resources Lesson 8-Careers and Renewable Resources	Unit 3 Concept 3 “Renewable and Nonrenewable Resources” Lesson 9 Review/Assessment BEST Standards SC.4.E.6.3 SC.4.E.6.6 Lesson 9-Renewable and Nonrenewable Resources Review “Renewable and Nonrenewable Resources” Summative Assessment
Week 9	Week 10		
Unit 3 Concept 4 “Earth and Moon Patterns” Lessons 1,2,3,6 BEST Standards	Unit 3 Concept 5 “Space Exploration” Lessons 1,2,3,5 BEST Standards		

SC.4.E.5.1 SC.4.E.5.2 SC.4.E.5.3 SC.4.E.5.4 Lesson 1- What Are Patterns of Earth, the Moon, and the Stars Lesson 2-Constellations Lesson 3-A Year on Earth Lesson 6-What Are the Patterns of Earth, the Moon, and the Stars	SC.4.E.5.5 SC.4.E.6.5 Lesson 1- Why is Space Exploration Important? Lesson 2- Astronomy Lesson 3-Artemis at the Kennedy Space Center Lesson 5- Why is Space Exploration Important?		
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Franklin County School 4th Grade Science Curriculum Pacing Guide
Fourth Nine Weeks Unit 4 “Growth and Survival in Ecosystems”

Week 1	Week 2	Week 3	Week 4
Unit 4 Concept 1 “Human Body Systems” Lessons 1,2,3,5 BEST Standards HE.4.C.1.5 Lesson 1-How Can We Describe Human Body Systems? Lesson 2-Building a Body Lesson 3-Introduction to the Endocrine System	Unit 4 Concept 2 “Life Cycles” Lessons 1,3,5,6,8 BEST Standards SC.4.L.16.1 SC.4.L.16.4 Lesson 1-How Do Life Cycles Compare? Lesson 3-Life Cycles of Plants and Animals	Unit 4 Concept 3 “Traits and Behaviors” Lessons 1,2,5,6 BEST Standards SC.4.L.16.4 SC.4.L.16.3 Lesson 1- How Do Traits and Behaviors Impact Organisms? Lesson 2-Traits and Behaviors Exploration	Unit 4 Concept 4 “Food Chains” Lessons 1,2,4,6,8 BEST Standards SC.4.L.17.2 SC.4.L.17.3 Lesson 1- How Does Energy Flow in a Food Chain? Lesson 2-Needs of Living Things

Lesson 5- How Can We Describe Human Body Systems?	Lesson 5-Life Cycles of Flowering Plants Lesson 6- Insect's Life Cycle Lesson 8-How Do Life Cycles Compare?	Lesson 5-Acquired Traits Lesson 6- How Do Traits and Behaviors Impact an Organism?	Lesson 4- Food Chains and Energy Flow Lesson 6-Food Chains and Food Webs Lesson 8-How Does Energy Flow in a Food Chain?
Week 5	Week 6	Week 7 <u>Foundational Assessment, Form C</u>	Week 8
Unit 4 Concept 4 “Ecosystem Changes” Lessons 1,2,3,6 BEST Standards SC.4.L.17.4 Lesson 1- What Happens When the Ecosystem Changes? Lesson 2- Patts of Ecosystems Lesson 3-Environment Interactions and Impacts Lesson 6- What Happens When Ecosystems Change?	Unit 4 Concept 5 “Seasonal Changes in Plants and Animals” Lessons 1,2,3,5 BEST Standards SC.4.L.17.1 Lesson 1-How Do Organisms Respond to the Seasons? Lesson 2- Seasons Here, Seasons There Lesson 3- Animals Are Freezing in Florida Lesson 5- How Do Organisms Respond to the Seasons?		
Week 9			