

<p>SUGGESTED PACING</p> <p>20 DAYS</p>	<p>STRAND: PHYSICAL SCIENCE (PS)</p> <p>Topic: Motion and Materials</p> <p>This topic focuses on the changes in properties that occur in objects and materials. Changes of position of an object are a result of pushing or pulling.</p> <p>Content Statements:</p> <ul style="list-style-type: none"> • Properties of objects and materials can change. • Objects and materials change when exposed to various conditions, such as heating or freezing. • Not all materials change in the same way. 	
	<p>Print Resources:</p> <p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 9, TE pages 323A-368 • Unit 9, Inquiry Flip Chart pages 40-44 • Unit 9, Science and Engineering Leveled Readers <ul style="list-style-type: none"> ○ On-Level/Below Level - <i>What Do We Know About Matter?</i> ○ Above Level - <i>Making Crayons</i> 	<p>Digital Resources</p> <p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 9, Lesson 1 Digital Lesson • Unit 9, Lesson 2 Digital Lesson • Unit 9, Lesson 3 Digital Lesson with Virtual Lab • Unit 9, Lesson 4 Digital Lesson • Unit 9, Lesson 5 Digital Lesson with Virtual Lab
<p>Science and Academic Vocabulary: Dissolve, Gas, Liquid, Mass, Matter, Mixture, Property, Solid, Temperature, Texture, Weight</p>		
<p>Inquiry Skills:</p> <ul style="list-style-type: none"> • Classify • Compare • Draw Conclusions • Experiment • Formulate and Use Models • Identify and Control Variables • Infer • Measure • Observe • Plan and Conduct a Simple Investigation • Predict 	<p>Differentiation:</p> <p>Basic (Extra Support)</p> <ul style="list-style-type: none"> • Unit 9 Response to Intervention - TE page 323K • Unit 9 TE pages 327, 331, 341, 342, 354, 357 <p>Advanced (Enrichment)</p> <ul style="list-style-type: none"> • Unit 9 TE pages 327, 331, 341, 342, 354, 357 • Unit 9 STEM - Inquiry Flipchart page 45, TE pages 323I, 363-364B <p>English Language Learners</p> <ul style="list-style-type: none"> • Unit 9 TE pages 323L-323M, 328, 330, 340, 343, 352, 355, 356 	
<p>Planning for Inquiry and Hands-On Application:</p> <ul style="list-style-type: none"> • “Sort It Out” (Flipchart page 40, TE pages 323D, 325A) • “What’s the Weight?” (Flipchart page 40, TE pages 323D, 325A) • “The Paper Towel Mystery” (Flipchart page 41, TE pages 323E, 339A) • “Cornstarch Crazyiness” (Flipchart page 323E, 339A) • “How Can We Measure Temperature?” (Flipchart page 42, TE pages 323F, 349A-350) • “Dissolve or Separate?” (Flipchart page 43, TE pages 323G, 351A) • “Making Changes” (Flipchart page 43, TE pages 323G, 351A) • “What Dissolves in Water?” (Flipchart page 44, TE pages 323H, 361A-362) 	<p>DIFFERENTIATED INQUIRY -</p> <ul style="list-style-type: none"> • Unit 9, TE page 350A <ul style="list-style-type: none"> ○ Measure Temperature (Easy) ○ Find Changes in Temperature (Average) ○ Compare Indoor and Outdoor Temperatures (Challenging) ○ Compare Materials (Challenging) • Unit 9, TE page 362A <ul style="list-style-type: none"> ○ Investigate What Dissolves (Easy) ○ Find Out How Much Dissolves (Average) ○ Grow Sugar Crystals (Challenging) ○ Investigate Temperature and Dissolving (Challenging) 	
<p>Assessments/Progress Monitoring:</p> <ul style="list-style-type: none"> • Sum it Up <ul style="list-style-type: none"> ○ Unit 9, Lesson 1 - SE page 334, TE page 334 ○ Unit 9, Lesson 2 - SE page 346, TE page 346 ○ Unit 9, Lesson 4 - SE page 358, TE page 358 • Brain Check and Apply Concepts <ul style="list-style-type: none"> ○ Unit 9, Lesson 1 - SE pages 335-336, TE pages 335-336 ○ Unit 9, Lesson 2 - SE pages 347-348, TE pages 347-348 ○ Unit 9, Lesson 4 - SE pages 359-360, TE pages 359-360 • Unit 9 Review - TE pages 365A-368 • Unit 9 Short Option Performance Assessment - TE page 367 	<p>ASSESSMENT GUIDE -</p> <ul style="list-style-type: none"> • Lesson Quiz <ul style="list-style-type: none"> ○ Unit 9, Lesson 1 - page AG 89 ○ Unit 9, Lesson 2 - page AG 90 ○ Unit 9, Lesson 3 - page AG 91 ○ Unit 9, Lesson 4 - page AG 92 ○ Unit 9, Lesson 5 - page AG 93 • Unit 9 Test and Performance Task with Long Option Rubric - pages AG 94-100 	
<p>Academic Connections to ELA (Journeys):</p> <ul style="list-style-type: none"> • Writing Connection - TE page 332 • Make Connections - TE page 336A <ul style="list-style-type: none"> ○ Language Arts/Writing Connection - Illustrate Sentences (Average) • Writing Connection - TE page 337 • Writing Connection - TE page 344 • Make Connections - TE page 360A <ul style="list-style-type: none"> ○ Language Arts - Make a Book of Changes (Challenging) ○ Writing Connection - Write a Recipe (Average) 	<p>Academic Connections to Math (Math Expressions):</p> <ul style="list-style-type: none"> • Math Connection - TE page 329 • <i>Math Expressions Connections:</i> <ul style="list-style-type: none"> ○ Unit 6 Lesson 1: Explore Representing Data MX TE pages 490-492 ○ Unit 6 Lesson 2: Organize Categorical Data MX TE pages 496-500 ○ Unit 6 Lesson 3: Use Stair Steps to Represent Data MX TE pages 504-506 ○ Unit 6 Lesson 4: Data Sets with Three Categories MX TE pages 510-512 ○ Unit 6 Lesson 5: Data Collecting MX TE pages 516-519 • Make Connections - TE page 336A • Math Connection - Sort and Order (Challenging) • <i>Math Expressions Connections:</i> <ul style="list-style-type: none"> ○ Unit 7 Lesson 6: Squares and Other Rectangles MX TE pages 586-590 ○ Unit 7 Lesson 7: Triangles and Circles MX TE pages 594-598 • Math Connection - TE page 345 • <i>Math Expressions Connections:</i> <ul style="list-style-type: none"> ○ Unit 6 Lesson 1: Explore Representing Data MX TE pages 490-492 ○ Unit 6 Lesson 5: Data Collecting MX TE pages 516-519 ○ Unit 7 Lesson 8: Equal Shares MX TE pages 602-606 • Make Connections - TE page 348A • Math Connection - Measure Length (Challenging) • <i>Math Expressions Connections:</i> <ul style="list-style-type: none"> ○ Unit 7 Lesson 12: Order by Length MX TE pages 636-638 • Math Connection - TE page 353 • <i>Math Expressions Connections:</i> <ul style="list-style-type: none"> ○ Unit 7 Lesson 9: Compose 2-Dimensional Shapes MX TE pages 610-616 • Make Connections - TE page 360A • Math Connection - Fold Shapes (Average) • <i>Math Expressions Connections:</i> <ul style="list-style-type: none"> ○ Unit 7 Lesson 9: Compose 2-Dimensional Shapes MX TE pages 610-616 	

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	<p>Print Resources:</p> <p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 10, Lessons 1-3 • Unit 10, TE pages 369-394A • Unit 10, Inquiry Flip Chart pages 46-48 • Unit 10, Science and Engineering Leveled Readers <ul style="list-style-type: none"> ○ On-Level/Below Level - <i>What Are Forces and Energy?</i> ○ Above Level - <i>Soccer Moves!</i> 	<p>Digital Resources</p> <p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 10, Lesson 1 Digital Lesson • Unit 10, Lesson 2 Digital Lesson • Unit 10, Lesson 3 Digital Lesson with Virtual Lab
<p>Science and Academic Vocabulary: Force, Motion, Pull, Push, Speed</p>		
<p>Inquiry Skills:</p> <ul style="list-style-type: none"> • Compare • Experiment • Formulate or Use Models • Identify and Control Variables • Infer • Observe • Plan and Conduct a Simple Investigation • Sequence 	<p>Differentiation:</p> <p>Basic (Extra Support)</p> <ul style="list-style-type: none"> • Unit 10 Response to Intervention - TE page 369K • Unit 10 TE pages 372, 374, 381, 385, 387 <p>Advanced (Enrichment)</p> <ul style="list-style-type: none"> • Unit 10 TE pages 372, 374, 381, 385, 387 <p>English Language Learners</p> <ul style="list-style-type: none"> • Unit 10 TE pages 369L-369M, 373, 375, 382, 384 	
<p>Planning for Inquiry and Hands-On Application:</p> <ul style="list-style-type: none"> • "Marble Race" (Flipchart page 46, TE pages 369D, 371A) • "Testing Toys" (Flipchart page 46, TE pages 369D, 371A) • "Changing Motion" (Flipchart page 47, TE pages 369E, 379A) • "Motion Maze" (Flipchart page 47, TE pages 369E, 379A) • "How Can We Change Motion?" (Flipchart page 48, TE pages 369F, 393A-394) 	<p>DIFERENTIATED INQUIRY -</p> <ul style="list-style-type: none"> • Unit 10, TE page 394A <ul style="list-style-type: none"> ○ Play Ball (Easy) ○ Make Collages (Easy) ○ Move Objects (Average) ○ Plan an Investigation (Challenging) 	
<p>Assessments/Progress Monitoring:</p> <ul style="list-style-type: none"> • Sum it Up <ul style="list-style-type: none"> ○ Unit 10, Lesson 1 - SE page 376, TE page 376 ○ Unit 10, Lesson 2 - SE page 388, TE page 388 • Brain Check and Apply Concepts <ul style="list-style-type: none"> ○ Unit 10, Lesson 1 - SE pages 377-378, TE pages 377-378 ○ Unit 10, Lesson 2 - SE pages 389-390, TE pages 389-390 	<p>ASSESSMENT GUIDE -</p> <ul style="list-style-type: none"> • Lesson Quiz <ul style="list-style-type: none"> ○ Unit 10, Lesson 1 - page AG 101 ○ Unit 10, Lesson 2 - page AG 102 ○ Unit 10, Lesson 3 - page AG 103 	
<p>Academic Connections to ELA (Journeys):</p> <ul style="list-style-type: none"> • Make Connections - TE page 336A <ul style="list-style-type: none"> ○ Language Arts - Find Motion in Books (Average) ○ Writing Connection - Write About Motion (Challenging) • Writing Connection - TE page 386 • Make Connections - TE page 390A <ul style="list-style-type: none"> ○ Writing Connection - Write a Description (Average) • Writing Connection - TE page 391 	<p>Academic Connections to Math (Math Expressions):</p> <ul style="list-style-type: none"> • Math Connection - TE page 383 • <i>Math Expressions Connections:</i> <ul style="list-style-type: none"> ○ Unit 2 Lesson 4: Addition Equations and Stories MX TE pages 98-99 ○ Unit 2 Lesson 10: Represent Subtraction MX TE pages 134-137 ○ Unit 2 Lesson 11: Subtraction with Drawings and Equations MX TE pages 142, 145 ○ Unit 2 Lesson 12: Practice with Subtraction MX TE pages 148-150 ○ Unit 2 Lesson 13: Generate Subtraction Problems MX TE pages 154-155 ○ Unit 3 Lesson 6: Subtraction Strategies MX TE pages 220-224 ○ Unit 3 Lesson 7: Subtraction Stories and Games MX TE pages 228-229 ○ Unit 3 Lesson 8: Practice with Subtraction Stories MX TE pages 234-238 ○ Unit 3 Lesson 11: Practice with Mixed Problems MX TE pages 256-258 	