

SUGGESTED PACING	
<p>STRAND: PHYSICAL SCIENCE (PS) Topic: Changes in Motion This topic focuses on observing the relationship between forces and motion. Content Statements:</p> <ul style="list-style-type: none"> • Forces change the motion of an object. • Motion can increase, change direction or stop depending on the force applied. • The change in motion of an object is related to the size of the force. • Some forces act without touching, such as using a magnet to move an object or objects falling to the ground. 	
PRINT RESOURCES	DIGITAL RESOURCES
<p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 10, Lessons 2-3 • Unit 10, TE pages 397A-406A, 409A-410A • Unit 10, Inquiry Flip Chart pages 50, 52 • Unit 10, Science and Engineering Leveled Readers: <ul style="list-style-type: none"> ○ On-Level/Below Level: <i>How Do We Use Energy, Motion, and Magnets in Our Lives?</i> ○ Above Level: <i>Magnificent Magnets</i> • Unit 10, ScienceSaurus (Red Level): <ul style="list-style-type: none"> ○ Physical Science, Energy, pp. 260-265, 280-285 	<p><i>ScienceFusion</i></p> <ul style="list-style-type: none"> • Unit 10, Lesson 2 Digital Lesson • Unit 10, Lesson 3 Digital Lesson with Virtual Lab
SCIENCE AND ACADEMIC VOCABULARY	
<p>Attract, Magnet, Pole, Repel</p>	
DIFFERENTIATION	FIELD EXPERIENCE CONNECTIONS
<p>Basic (Extra Support)</p> <ul style="list-style-type: none"> • Unit 10 Response to Intervention - TE page 381I • Unit 10 TE pages 399, 400 <p>Advanced (Enrichment)</p> <ul style="list-style-type: none"> • Unit 10 TE pages 399, 400 <p>English Language Learners</p> <ul style="list-style-type: none"> • Unit 10 TE pages 381J-381K, 398, 401 	<p>Cleveland Museum of Natural History’s INSPIRE: Reach Every Child Program.</p> <p>Program details: Standards-based experience focusing on interactions within habitats. Students engage in hands-on learning activities that utilize real museum specimens and live native Ohio animals to illustrate key scientific elements.</p> <p>To prepare In advance, each teacher receives: Teacher Guide Teacher pre-visit video, Student pre-visit video and a pre-visit interactive lesson.</p> <p>For information contact: Heather Lee 216-231-4600 x3405 or hlee@cmnh.org</p>
INQUIRY SKILLS	
<ul style="list-style-type: none"> • Classify • Draw Conclusions • Experiment • Measure • Observe • Plan and Conduct a Simple Investigation 	
HANDS-ON INQUIRY AND APPLICATION	
<ul style="list-style-type: none"> • “Action at a Distance” (Flipchart page 50, TE pages 381E, 397A) • “Magnetic Attraction” (Flipchart page 50, TE pages 381E, 397A) • “How Strong is a Magnet?” (Flipchart page 52, TE pages 381G, 409A-410) 	<p><i>Differentiated Inquiry</i></p> <ul style="list-style-type: none"> • Unit 10, TE page 410A <ul style="list-style-type: none"> ○ Attract Through Paper (Easy) ○ Find the Strongest Magnet (Average) ○ Test a Magnet’s Strength (Average) ○ Ask Questions About Magnets (Challenging)
ASSESSMENTS/PROGRESS MONITORING	ASSESSMENT GUIDE
<ul style="list-style-type: none"> • Sum it Up <ul style="list-style-type: none"> ○ Unit 10, Lesson 2 - SE page 404, TE page 404 • Brain Check and Apply Concepts <ul style="list-style-type: none"> ○ Unit 10, Lesson 2 - SE pages 405-406, TE pages 405-406 	<ul style="list-style-type: none"> • Lesson Quiz <ul style="list-style-type: none"> ○ Unit 10, Lesson 2 - page AG 105 ○ Unit 10, Lesson 3 - page AG 106

ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: ELA

Journeys

- Writing Connection - TE page 402
- Make Connections - TE page 406A
 - Language Arts Connection - List Magnet Words (Challenging)

Journeys Connections

- Lesson 15
- Whole Group - Read Aloud Book - Adventures at Scout Camp (T403)
- Lesson 17
- Whole Group - Anchor Text - Luke Goes to Bat (T135)
 - Small Group - Struggling Reader - The Winning Hit (T192)
 - Small Group - Advanced Reader - The New Field (T194)

ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: MATH

Math Expressions

- Math Connection - TE page 403
- *Math Expressions Connections:*
 - Unit 1 Lesson 10: Add To and Take From Word Problems MX TE pages 71-76
 - Unit 1 Lesson 11: Add To and Take From Problems—Unknown All Positions MX TE pages 77-84
 - Unit 1 Lesson 12: Put Together/Take Apart Problems MX TE pages 85-90
 - Unit 1 Lesson 13: Special Put Together/Take Apart Problems MX TE pages 91-98
 - Unit 1 Lesson 16: Mixed Word Problems MX TE pages 111-116
 - Unit 1 Lesson 20: Mixed Word Problems MX TE pages 141-146
 - Unit 1 Lesson 21: Focus on Mathematical Practices MX TE pages 147-152
 - Unit 4 Lesson 4: Subtraction Word Problems MX TE pages 373-378
 - Unit 4 Lesson 12: Word Problems with Addition and Subtraction MX TE pages 427-432
 - Unit 4 Lesson 14: Practice Addition and Subtraction MX TE pages 439-444
 - Unit 4 Lesson 16: Word Problems with Unknown Addends MX TE pages 451-456
 - Unit 4 Lesson 17: More Word Problems with Unknown Addends MX TE pages 457-462
- Make Connections - TE page 406A
- Math Connection - Do Paper Clip Math (Average)