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| **SUGGESTED PACING** |
| **STRAND: LIFE SCIENCE (LS)****Topic: Earth’s Living History**This topic focuses on using fossil evidence and living organisms to observe that suitable habitats depend upon a combination of biotic and abiotic factors. **Content Statements:*** Fossils can be compared to one another and to present-day organisms according to their similarities and differences.
* The concept of biodiversity is expanded to include different classification schemes based upon shared internal and external characteristics of organisms.
* Most types of organisms that have lived on Earth no longer exist.
* Fossils provide a point of comparison between the types of organisms that lived long ago and those existing today.
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| **PRINT RESOURCES** | **DIGITAL RESOURCES** |
| *ScienceFusion** Unit 5, All Lessons
* Unit 5, TE pages 213A-248A
* Unit 5, Inquiry Flip Chart page 27-30
 | *ScienceFusion** Unit 5, Lesson 1 Digital Lesson
* Unit 5, Lesson 2 Digital Lesson
* Unit 5, Lesson 3 Digital Lesson with Virtual Lab
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| **SCIENCE AND ACADEMIC VOCABULARY** |
| Cast, Fossil, Index Fossil, Mass Extinction, Mold |
| **DIFFERENTIATION** | **FIELD EXPERIENCE CONNECTIONS** |
| Basic (Extra Support)* Unit 5 Response to Intervention - TE page 211I
* Unit 5 TE pages 215, 217, 231, 233, 235

Advanced (Enrichment)* Unit 5 TE pages 215, 217, 231, 233, 235
* Unit 5 STEM - Flipchart page 28, TE pages 211E, 223-224B

English Language Learners* Unit 5 TE pages 211J-211K, 214, 218, 228, 232, 234
 | Greater Cleveland Aquarium’s N.E.M.O: Nurturing the Environment by Maintaining Ohio Program. ***Program details:*** Aquatic animal adaptation investigation. Use STEM design to build a model fish to live in a specific habitat, Predict how environmental changes may affect fish. To prepare in advance-attend two professional development sessions to receive Classroom Aquarium and a flash drive with year-long curriculum connections. For information contact: Ray Patacca & Erin Bauer 216-862-8803 x7703 or education@greaterclevelandaquarium.com  |
| **INQUIRY SKILLS** |
| * Classify/Order
* Communicate
* Compare
 | * Draw Conclusions
* Formulate or Use Models
* Gather, Record, Display or Interpret Data
 | * Infer
* Observe
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| **HANDS-ON INQUIRY AND APPLICATION** |
| * “What Made It?” (Flipchart page 27, TE pages 211D, 213A)
* “Comparing Fossils” (Flipchart page 27, TE pages 211D, 213A)
* “Footprints in the Sand” (Flipchart page 29, TE pages 211F, 225A)
* “A Place for a Vacation?” (Flipchart page 29, TE pages 211F, 225A)
* “How Can Scientists Use Fossils?” (Flipchart page 30, TE pages 211G, 243A-244A)
 | *Differentiated Inquiry** Unit 5, TE page 244A
	+ Identify Fossil Types (Easy)
	+ Determining the Age of Rocks (Average)
	+ Match Rock Layers (Average)
	+ Draw a Conclusion (Challenging)
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| **ASSESSMENTS/PROGRESS MONITORING** | **ASSESSMENT GUIDE** |
| * Sum it Up
	+ Unit 5, Lesson 1 - SE page 220, TE page 220
	+ Unit 5, Lesson 2 - SE page 236, TE page 236
* Brain Check and Apply Concepts
	+ Unit 5, Lesson 1 - SE pages 221-222, TE pages 221-222
	+ Unit 5, Lesson 2 - SE pages 237-240, TE pages 237-240
* Unit 5 Review - TE pages 245A-248
* Unit 5 Short Option Performance Assessment - TE page 247
 | * Lesson Quiz
	+ Unit 5, Lesson 1 - page AG 47
	+ Unit 5, Lesson 2 - page AG 48
	+ Unit 5, Lesson 3 - page AG 49
* Unit 5 Test and Performance Task with Long Option Rubric - pages AG 50-AG 55
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| **ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: ELA** |
| Journeys* Writing Connection - TE page 216
* Writing Connection - TE page 227
* Writing Connection - TE page 230
 | * Make Connections - TE page 240A
	+ Writing Connection - Explain How Scientists Work (Average)
* Writing Connection - TE page 241
 |
| **ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: MATH** |
| Math Expressions* Math Connection - TE page 219
* *Math Expressions Connections:*
	+ Unit 1 Lesson 6: Make New Groups for Addition MX TE pages 45-54
	+ Unit 1 Lesson 7: Add Greater Numbers MX TE pages 55-60
	+ Unit 1 Lesson 8: Estimation and Mental Math MX TE pages 61-68
	+ Unit 1 Lesson 9: Subtract from Thousands MX TE pages 69-76
	+ Unit 1 Lesson 11: Subtract Greater Numbers MX TE pages 83-90
	+ Unit 1 Lesson 12: Practice Addition and Subtraction MX TE pages 91-96
	+ Unit 1 Lesson 13: Problem Solving with Greater Numbers MX TE pages 97-104
	+ Unit 1 Lesson 14: Focus on Mathematical Practices MX TE pages 105-110
* Make Connections - TE page 222A
* Math Connection - Make a Scale Drawing (Challenging)
* *Math Expressions Connections:*
	+ Unit 1 Lesson 14: Focus on Mathematical Practices MX TE page 106
* Math Connection - TE page 226
* *Math Expressions Connections:*
	+ Unit 2 Lesson 4: Model One-Digit by Two-Digit Multiplication MX TE pages 139-140
	+ Unit 2 Lesson 10: One-Digit by Three-Digit Multiplication MX TE page 186
	+ Unit 4 Lesson 8: Solve Multistep Problems MX TE page 414
* Math Connection - TE page 229
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