

SUGGESTED PACING

STRAND: LIFE SCIENCE (LS)

Topic: Basic Needs of Living Things

This topic focuses on the physical needs of living things in Ohio. Energy from the sun or food, nutrients, water, shelter and air are some of the physical needs of living things.

Content Statements: Living things have basic needs, which are met by obtaining materials from the physical environment.

- Living things require energy, water and a particular range of temperatures in their environments.
- Plants get energy from sunlight. Animals get energy from plants and other animals.
- Living things acquire resources for the living and nonliving components of the environment.

PRINT RESOURCES

ScienceFusion

- Unit 3, Lessons 1 and 2
- Unit 3, TE pages 83A-104A
- Unit 3, Inquiry Flip Chart pages 11-12
- Unit 3, Science and Engineering Levelled Readers
 - On-Level/Below Level - *What Can we Learn About Animals?*
 - Above Level - *Amazing Animals*
- Unit 4, Lessons 1 and 2
- Unit 4, TE pages 131A-142
- Unit 4, Inquiry Flip Chart pages 16-17
- Unit 4, Science and Engineering Levelled Readers
 - On-Level/Below Level - *What is a Plant?*
 - Above Level - *Weird and Wacky Plants*
- Unit 5, TE pages 175A-1196
- Unit 5, Inquiry Flip Chart pages 22-23
- Unit 5, Science and Engineering Levelled Readers
 - On-Level/Below Level - *Where Do Plants and Animals Live?*
 - Above Level - *A Trip to the Aquarium*
- Unit 6, Lessons 1 and 5
- Unit 6, TE pages 199A-208A, 225A-236A
- Unit 6, Inquiry Flip Chart page 25, 29

DIGITAL RESOURCES

ScienceFusion

- Unit 3, Lesson 1 Digital Lesson
- Unit 3, Lesson 2 Digital Lesson
- Unit 4, Lesson 1 Digital Lesson
- Unit 4, Lesson 2 Digital Lesson with Virtual Lab
- Unit 5, Lesson 1 Digital Lesson
- Unit 5, Lesson 2 Digital Lesson with Virtual Lab
- Unit 6, Lesson 1 Digital Lesson
- Unit 6, Lesson 5 Digital Lesson

SCIENCE AND ACADEMIC VOCABULARY

Environment, Flower, Food Chain, Fruit, Gills, Lake, Leaf, Living, Natural Resource, Nonliving, Nutrients, Ocean, Reproduce, River, Rock, Root, Seed, Shelter, Soil, Stem, Stream, Sunlight

DIFFERENTIATION

Basic (Extra Support)

- Unit 3 Response to Intervention - TE page 811
- Unit 3 TE pages 84, 86, 94, 99
- Unit 4 Response to Intervention - TE page 129K
- Unit 4 TE pages 132, 137
- Unit 5 Response to Intervention - TE page 173I
- Unit 5 TE pages 176, 180, 183
- Unit 6 Response to Intervention - TE page 197 K
- Unit 6 TE pages 201, 202, 205

Advanced (Enrichment)

- Unit 3 TE pages 84, 86, 94, 99
- Unit 4 TE pages 132, 137
- Unit 5 TE pages 176, 180, 183
- Unit 5 STEM - Inquiry Flipchart page 24, TE pages 173G, 191-192B
- Unit 6 TE pages 201, 202, 205

English Language Learners

- Unit 3 TE pages 81J-81K, 87, 88, 96,98
- Unit 4 TE pages 129L-129M, 134, 136
- Unit 5 TE pages 173J-173K, 178, 181
- Unit 6 TE pages 197L-197M, 200

FIELD EXPERIENCE CONNECTIONS

INQUIRY SKILLS	
<ul style="list-style-type: none"> • Classify • Compare • Draw Conclusions • Experiment 	<ul style="list-style-type: none"> • Formulate or Use Models • Gather, Record, Display, and Interpret Data • Identify and Control Variables • Infer
<ul style="list-style-type: none"> • Make a Model • Observe • Plan and Conduct a Simple Investigation • Sequence 	
HANDS-ON INQUIRY AND APPLICATION	
<ul style="list-style-type: none"> • “Modeling You” (Flipchart page 11, TE pages 81D, 83A) • “Neighborhood Search” (Flipchart page 11, TE pages 81D, 83A) • “Meet the Mealworm” (Flipchart page 12, TE pages 81E, 93A) • “Eat Like a Bird” (Flipchart page 12, TE pages 81E, 93A) • “Grow to the Light” (Flipchart page 16, TE pages 129D, 131A) • “Colored Celery” (Flipchart page 16, TE pages 129D, 131A) • “Why Do Plants Grow?” (Flipchart page 17, TE pages 129E, 141A-142) • “Make a Food Chain” (Flipchart page 22, TE pages 173D, 175A) • “Plan for Pets” (Flipchart page 22, TE pages 173E, 175A) • “What is a Terrarium?” (Flipchart page 23, TE pages 173F, 189A-190) • “Clay in a Tray” (Flipchart page 25, TE pages 197D, 199A) • “Do People Eat Plants?” (Flipchart page 25, TE pages 197D, 199A) • “Pass the Salt” (Flipchart page 29, TE pages 197H, 225A) • “Water Watch” (Flipchart page 29, TE pages 197H, 225A) 	<p>Differentiated Inquiry</p> <ul style="list-style-type: none"> • Unit 4, TE page 142A <ul style="list-style-type: none"> ○ Predict What Happens with No Water and a Little Water (Easy) ○ Predict What Happens with No Water, No Light, and Water and Light (Average) ○ Predict Which Plant Needs More Water (Challenging) ○ Predict What Happens with No Light, Some Light, and Sunlight (Challenging) • Unit 5, TE page 190A <ul style="list-style-type: none"> ○ Suggest Changes to a Terrarium (Easy) ○ Observe Pill Bugs (Average) ○ Study Pill Bug Habits (Challenging) ○ Compare Animal Environments (Challenging)
ASSESSMENTS/PROGRESS MONITORING	ASSESSMENT GUIDE
<ul style="list-style-type: none"> • Sum it Up <ul style="list-style-type: none"> ○ Unit 3, Lesson 1 - SE page 90, TE page 90 ○ Unit 3, Lesson 2 - SE page 102, TE page 102 ○ Unit 4, Lesson 1 - SE page 138, TE page 138 ○ Unit 5, Lesson 1 - SE page 184, TE page 184 ○ Unit 6, Lesson 1 - SE page 206, TE page 206 ○ Unit 6, Lesson 5 - SE page 234, TE page 234 • Brain Check and Apply Concepts <ul style="list-style-type: none"> ○ Unit 3, Lesson 1 - SE pages 91-92, TE pages 91-92 ○ Unit 3, Lesson 2 - SE pages 103-104, TE pages 103-104 ○ Unit 4, Lesson 1 - SE pages 139-140, TE pages 139-140 ○ Unit 5, Lesson 1 - SE pages 185-186, TE pages 185-186 ○ Unit 6, Lesson 1 - SE page 27-208, TE page 207-208 ○ Unit 6, Lesson 5 - SE pages 235-236, TE pages 235-236 • Unit 5 Review - TE pages 193A-196 • Unit 5 Short Option Performance Assessment - TE page 195 	<ul style="list-style-type: none"> • Lesson Quiz <ul style="list-style-type: none"> ○ Unit 3, Lesson 1 - page AG 24 ○ Unit 3, Lesson 2 - page AG 25 ○ Unit 4, Lesson 1 - page AG 35 ○ Unit 4, Lesson 2 - page AG 36 ○ Unit 5, Lesson 1 - page AG 47 ○ Unit 5, Lesson 2 - page AG 48 ○ Unit 6, Lesson 1 - page AG 56 ○ Unit 6, Lesson 5 - page AG 60 • Unit 5 Test and Performance Task with Long Option Rubric - pages AG 49- AG 55
ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: ELA	

Journeys

- Writing Connection - TE page 85
- Writing Connection - TE page 89
- Make Connections - TE page 92A
 - Writing Connection - Write Riddles (Challenging)
- Writing Connection - TE page 97
- Writing Connection - TE page 101
- Make Connections - TE page 104A
 - Writing Connection - Make Animal Books (Average)
 - Writing Connection - Write About a Day in the Life of an Animal (Challenging)
- Writing Connection - TE page 133
- Make Connections - TE page 140A
 - Writing Connection - Write Poems About Plants (Challenging)
- Writing Connection - TE page 179
- Writing Connection - TE page 182
- Make Connections - TE page 186A
 - Writing Connection - Write a Riddle (Easy)
- Writing Connection - TE page 187
- Writing Connection - TE page 203
- Make Connections - TE page 208A
 - Writing Connection - Write a Natural Resource Poem (Challenging)
- Writing Connection - TE page 230
- Make Connections - TE page 236A
 - Writing Connection - Write About Water Fun (Easy)

ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: ELA cont.

Journeys Connections:

Lesson 7

- Whole Group: Read Aloud Book: Prairie Dog (T112)
- Whole Group: Anchor Text: How Animals Communicate (T122)
- Whole Group: Informational Text: Insect Messages (T160)
- Small Group: Vocabulary Reader: Animal Talk (T182)
- Small Group: Struggling Reader: Dogs (T188)
- Small Group: On Level Reader: Animals at Night (T189)
- Small Group: Advanced Reader: Dog Talk (T190)

Lesson 11

- Whole Group: Anchor Text: At Home in the Ocean (T24)
- Small Group: Vocabulary Reader: Shark (T84)
- Small Group: Struggling Reader: In the Sea (T90)
- Small Group: On Level Reader: Coral Reefs (T91)
- Small Group: Advanced Reader: The Amazing Octopus (T92)

Lesson 12

- Small Group: Vocabulary Reader: Spots (T184)

Lesson 13

- Whole Group: Read Aloud: The Prickly Pride of Texas (T212)
- Whole Group: Anchor Text: Seasons (T222)
- Whole Group: Informational Text: Four Seasons for Animals (T262)
- Small Group: Vocabulary Reader: Ducks (T288)
- Small Group: Struggling Reader: Winter (T294)
- Small Group: On Level Readers: Fall Changes (T295)
- Small Group: Advanced Reader: Seasons Around the World (T296)

Lesson 14

- Small Group: Vocabulary Reader: Desert Animals (T390)

Lesson 15

- Whole Group: Anchor Text: Animal Groups (T428)
- Small Group: Vocabulary Reader: Animals (T494)
- Small Group: Struggling Reader: Making a Home (T500)
- Small Group: On Level Reader: All About Bats (T501)
- Small Group: Advanced Reader: Bald Eagles (T502)

Lesson 16

- Small Group: Advanced Reader: Living and Working in Space (T96)

Lesson 18

- Whole Group: Anchor Text: Where Does Food Come From? (T228)
- Whole Group: Fairy Tale: Jack & the Beanstalk (T270)
- Small Group: Vocabulary Reader: My Favorite Foods (T292)
- Small Group: Struggling Reader: Apples (T298)
- Small Group: On Level Reader: Food for You (T299)
- Small Group: Advanced Reader: A World of Food (T300)

Lesson 21

- Whole Group: Informational Text: Garden Good Guys (T62)
- Small Group: Vocabulary Reader: Trees (T84)

Lesson 22

- Whole Group: Anchor Text: Amazing Animals (T122)
- Small Group: Vocabulary Reader: Baby Birds (T184)
- Small Group: Struggling Reader: Animal Homes (T190)
- Small Group: On Level Reader: Kangaroos (T191)
- Small Group: Advanced Reader: How Animals Move (T192)

Lesson 23

- Whole Group: Connect to Topic: Pet Poems (T264)

Lesson 24

- Whole Group: Teacher Read Aloud: Visiting Butterflies (T314)
- Whole Group: Anchor Text: A Tree is a Plant (T324)
- Whole Group: Informational Text: Grow, Apples, Grow (T368)
- Small Group: Vocabulary Reader: Worms (T390)
- Small Group: Struggling Reader: An Acorn Grows (T396)
- Small Group: On Level Reader: From Pit to Plum (T397)
- Small Group: Advanced Reader: The Story of a Rose (T398)

Lesson 29

- Small Group: Vocabulary Reader: Butterflies (T386)

ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: MATH

Math Expressions:

- Make Connections - TE page 92A
- Math Connection - Describe Objects in Terms of a Number (Average)
- *Math Expressions Connections:*
 - 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 95
- *Math Expressions Connections:*
 - Unit 1 Lesson 1: Discuss Numbers 1-10 MX TE pages 2-5
 - Unit 1 Lesson 2: Visualize Numbers as a 5-Group and Ones MX TE pages 10-11
 - Unit 1 Lesson 3: Partners of 2 Through 5 MX TE pages 16-22
 - Unit 1 Lesson 4: Partners of 6 MX TE pages 26-31
 - Unit 1 Lesson 5: Partners of 7 MX TE pages 36-40
 - Unit 1 Lesson 6: Partners of 8 MX TE pages 44-48
 - Unit 1 Lesson 7: Partners of 9 MX TE pages 52-56
 - Unit 1 Lesson 8: Partners of 10 MX TE pages 60-66
 - Unit 1 Lesson 9: Focus on Mathematical Practices MX TE pages 70-71

ACADEMIC CONNECTIONS TO OTHER DISCIPLINES: MATH cont.

Math Expressions *cont.*:

- *Math Expressions Connections cont.*:
 - Unit 2 Lesson 6: Addition Strategies: Counting On MX TE pages 110-114
 - Unit 2 Lesson 7: Count On from the Greater Number MX TE pages 118-120
 - Unit 2 Lesson 9: Practice Counting On MX TE page 130
 - Unit 4 Lesson 1: Introduction to Tens Groupings MX TE pages 274-278
 - Unit 4 Lesson 7: Understand Tens and Ones MX TE pages 318-320
 - Unit 4 Lesson 8: Integrate Tens and Ones MX TE pages 324-326
 - Unit 4 Lesson 9: Practice Grouping Ones into Tens MX TE pages 330-332
 - Unit 5 Lesson 7: Count with Groups of 10 MX TE pages 446-448
- Math Connection - TE page 100
- *Math Expressions Connections*:
 - 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
- Math Connection - TE page 135
- *Math Expressions Connections*:
 - Unit 1 Lesson 1: Discuss Numbers 1-10 MX TE pages 2-5
 - Unit 1 Lesson 2: Visualize Numbers as a 5-Group and Ones MX TE pages 10-11
 - Unit 1 Lesson 3: Partners of 2 Through 5 MX TE pages 16-22
 - Unit 1 Lesson 4: Partners of 6 MX TE pages 26-31
 - Unit 1 Lesson 5: Partners of 7 MX TE pages 36-40
 - Unit 1 Lesson 6: Partners of 8 MX TE pages 44-48
 - Unit 1 Lesson 7: Partners of 9 MX TE pages 52-56
 - Unit 1 Lesson 8: Partners of 10 MX TE pages 60-66
 - Unit 1 Lesson 9: Focus on Mathematical Practices MX TE pages 70-71
 - Unit 2 Lesson 6: Addition Strategies: Counting On MX TE pages 110-114
 - Unit 2 Lesson 7: Count On from the Greater Number MX TE pages 118-120
 - Unit 2 Lesson 9: Practice Counting On MX TE page 130
 - Unit 4 Lesson 1: Introduction to Tens Groupings MX TE pages 274-278
 - Unit 4 Lesson 7: Understand Tens and Ones MX TE pages 318-320
 - Unit 4 Lesson 8: Integrate Tens and Ones MX TE pages 324-326
 - Unit 4 Lesson 9: Practice Grouping Ones into Tens MX TE pages 330-332
 - Unit 5 Lesson 7: Count with Groups of 10 MX TE pages 446-448
- Make Connections - TE page 140A
- Math Connection - Measure Stems (Average)
- *Math Expressions Connections*:
 - 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
- Math Connection - TE page 177
- *Math Expressions Connections*:
 - Unit 4 Lesson 3: Represent and Compare Teen Numbers MX TE page 290
 - Unit 4 Lesson 12: Use Place Value to Compare Numbers MX TE pages 348-350
 - Unit 4 Lesson 16: Practice with 2-Digit Numbers MX TE pages 374-376
 - Unit 4 Lesson 18: Focus on Mathematical Practices MX TE page 387
 - Unit 8 Lesson 6: Focus on Mathematical Practices MX TE page 697
- Math Connection - TE page 204
- *Math Expressions Connections*:
 - 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

Math Expressions *cont.*:

- Make Connections - TE page 208A
- Math Connection - Solve a Math Problem (Easy)
- *Math Expressions Connections:*
 - Unit 2 Lesson 6: Addition Strategies: Counting On MX TE pages 110-114
 - Unit 2 Lesson 7: Count On from the Greater Number MX TE pages 118-120
 - Unit 2 Lesson 9: Practice Counting On MX TE page 130
 - Unit 2 Lesson 11: Subtraction with Drawings and Equations MX TE pages 142-144
 - Unit 2 Lesson 12: Practice with Subtraction MX TE pages 148-150
 - Unit 3 Lesson 1: Explore Unknowns MX TE pages 186-190
 - Unit 3 Lesson 6: Subtraction Strategies MX TE pages 220-224
 - Unit 4 Lesson 4: Visualize Teen Addition MX TE pages 294-298
 - Unit 4 Lesson 5: Teen Addition Strategies MX TE pages 302-306
 - Unit 4 Lesson 6: Investigate Doubles MX TE pages
 - Unit 4 Lesson 10: Add with Groups of Ten MX TE pages 336-340
 - Unit 4 Lesson 13: Add Tens or Ones MX TE pages 354-356
 - Unit 4 Lesson 14: Mixed Addition with Tens and Ones MX TE pages 360-364
 - Unit 4 Lesson 15: Counting On Strategy: 2-Digit Numbers MX TE pages 368-370
 - Unit 4 Lesson 16: Practice with 2-Digit Numbers MX TE pages 374, 376
 - Unit 4 Lesson 17: 2-Digit Addition Games MX TE pages 380-382
 - Unit 5 Lesson 2: Subtraction with Teen Numbers MX TE pages 406-411
 - Unit 5 Lesson 3: Mixed Practice with Teen Problems MX TE pages 414-418
 - Unit 5 Lesson 4: Small Group Practice with Teen Problems MX TE pages 422-426
 - Unit 5 Lesson 5: Teen Problems with Various Unknowns MX TE pages 430-434
 - Unit 5 Lesson 7: Count with Groups of 10 MX TE pages 446-448
- Math Connection - TE page 229
- Math Connection - TE page 232
- *Math Expressions Connections:*
 - 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
- Make Connections - TE page 236A
- Math Connection - Compare River Lengths (Average)
- *Math Expressions Connections:*
 - Unit 7 Lesson 12: Order by Length MX TE pages 636-638