

**SUGGESTED PACING**

**STRAND: LIFE SCIENCE (LS)**

**Topic: Physical and Behavioral Traits of Living Things**

This topic focuses on observing, exploring, describing and comparing living things in Ohio.

**Content Statements:** Living things are different from non-living things.

- Living things include anything that is alive or has ever been alive. They have specific characteristics and traits.
- Living things grow and reproduce. They are found almost everywhere in the world.
- There are different kinds of living things that are found in different places.
- Living things respond to stimuli.
- Animals need food; plants make their own food.

**PRINT RESOURCES**

*ScienceFusion*

- Unit 2, Lesson 4 (TE pages 40-47)
  - Big Book of Science Vocabulary (page 4)
  - Big Book of Science Songs and Rhymes (page 5)
  - Picture Sorting Cards 1, 2, 4, 14, 26, 49, 50
- Unit 2, Lesson 6 (TE pages 56-64)
  - Big Book of Science Vocabulary (page 6)
  - Science Songs CD, Track 1-2
  - Picture Sorting Cards 10, 13, 16, 23, 26, 28, 32, 38
- Unit 2, Lesson 7 (TE pages 66-73)
  - Big Book of Science Vocabulary (page 7)
  - Big Book of Science Songs and Rhymes (page 24)
  - Picture Sorting Cards 9, 14, 18, 26, 32, 33, 34, 35, 36, 37
- Unit 2, Lesson 8 (TE pages 74-81)
  - Big Book of Science Vocabulary (page 8)
  - Big Book of Science Songs and Rhymes (page 20)
  - Science Songs CD, Track 3
  - Picture Sorting Cards 9, 11, 21-30
  - Science and Engineering Leveled Readers
    - On-Level/Below Level - *What Can We Learn About Animals?*
    - Above Level - *Animal Groups*
- Unit 3, Lesson 11 (TE pages 90-97, 98-105, 106-113, 114-121)
  - Big Book of Science Vocabulary (page 5, 9-12)
  - Big Book of Science Songs and Rhymes (page 21, 23)
  - Science Songs CD, Track 4
  - Picture Sorting Cards 49-51, 52-54
  - Science and Engineering Leveled Readers
    - On-Level/Below Level - *What Are Plants?*
    - Above Level - *Inside a Seed*
- Unit 4, Lesson 13 (TE pages 130-137)
  - Big Book of Science Vocabulary (page 13)
  - Science Songs CD, Track 6
  - Picture Sorting Cards 31, 36, 37, 43, 44, 47

**DIGITAL RESOURCES**

*ScienceFusion*

- Unit 2, Lesson 4 Digital Lesson
- Unit 2, Lesson 6 Digital Lesson
- Unit 2, Lesson 7 Digital Lesson
- Unit 2, Lesson 8 Digital Lesson
- Unit 2 Virtual Lab “What Can Your Senses Tell You About Living Things?”
- Unit 3, Lesson 9 Digital Lesson
- Unit 3, Lesson 10 Digital Lesson
- Unit 3, Lesson 11 Digital Lesson
- Unit 3, Lesson 12 Digital Lesson
- Unit 3 Virtual Lab “Why Do Plants Grow?”
- Unit 4, Lesson 13 Digital Lesson

**SCIENCE AND ACADEMIC VOCABULARY**

Adult Plant, Air, Feathers, Flower, Food, Fruit, Fur, Grass, Habitat, Leaf, Life Cycle, Light, Living Things, Nonliving Things, Roots, Scales, Seedling, Seeds, Shelter, Shrub, Soil, Space To Grow, Sprout, Stem, Tree, Water

**DIFFERENTIATION**

- Basic (Extra Support)
  - TE pages 46, 64, 80, 96, 104, 112, 120, 136
- Advanced (Enrichment)
  - TE pages 46, 64, 80, 96, 104, 112, 120, 136
  - Trade Book Reading - TE page 39, 89, 129

**FIELD EXPERIENCE CONNECTIONS**

**Fall Months only:** Nature Center at Shaker Lakes’ ASK (Applied Science for Kids): Nature Alive

**Program Details:** Standards-based programming guides students through the use of analysis and observation to determine what makes something alive. To prepare in advance In advance, plan to attend the professional development session to receive the activity kit (hands on activities and experiments) and receive the pre- and post-visit activities.

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<b>INQUIRY SKILLS</b>	
<ul style="list-style-type: none"> <li>• Classify</li> <li>• Compare</li> <li>• Infer</li> <li>• Observe</li> <li>• Predict</li> <li>• Sequence</li> </ul>	
<b>HANDS-ON INQUIRY AND APPLICATION</b>	
<ul style="list-style-type: none"> <li>• “Sort Living and Nonliving Things” (Flipchart page 4, TE pages 36, 45)</li> <li>• “Sort Animals” (Flipchart page 5, TE pages 36, 63)</li> <li>• “What Does Our Pet Need?” (TE pages 36, 71)</li> <li>• “How Do Animals Change As They Grow?” (TE pages 36, 79)</li> <li>• “How Are Plants Alike and Different?” (TE pages 86, 95)</li> <li>• “Observe a Plant’s Needs” (Flipchart page 6, TE pages 86, 103)</li> <li>• “Compare Plant Parts” (Flipchart page 7, TE pages 86, 111)</li> <li>• “Observe Plants Grow” (Flipchart page 8, TE pages 86, 119)</li> <li>• “Make a Model Terrarium” (Flipchart page 9, TE pages 126, 135)</li> </ul>	
<b>ASSESSMENTS/PROGRESS MONITORING</b>	
<ul style="list-style-type: none"> <li>• Sum it Up                             <ul style="list-style-type: none"> <li>○ Unit 2, Lesson 4 - SE page 16, TE page 44</li> <li>○ Unit 2, Lesson 6 - SE page 26, TE page 62</li> <li>○ Unit 2, Lesson 7 - SE page 30, TE page 70</li> <li>○ Unit 2, Lesson 8 - SE page 34, TE page 78</li> <li>○ Unit 3, Lesson 9 - SE page 38, TE page 94</li> <li>○ Unit 3, Lesson 10 - SE page 42, TE page 102</li> <li>○ Unit 3, Lesson 11 - SE page 46, TE page 110</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Sum it Up                             <ul style="list-style-type: none"> <li>○ Unit 3, Lesson 12 - SE page 50, TE page 118</li> <li>○ Unit 4, Lesson 13 - SE page 54, TE page 134</li> </ul> </li> <li>• Unit 2 Wrap-Up - TE page 82</li> <li>• Unit 2 Performance Assessment - TE page 82</li> <li>• Unit 3 Wrap-Up - TE page 122</li> <li>• Unit 3 Performance Assessment - TE page 122</li> </ul>
<b>ACADEMIC CONNECTIONS TO OTHER DISCIPLINES</b>	
<p>ELA: Journeys</p> <ul style="list-style-type: none"> <li>• Make Connections: TE page 47                             <ul style="list-style-type: none"> <li>○ Language Arts: Classify Things in a Poem</li> </ul> </li> <li>• Make Connections: TE page 65                             <ul style="list-style-type: none"> <li>○ Writing: Write Riddles</li> </ul> </li> <li>• Make Connections: TE page 73                             <ul style="list-style-type: none"> <li>○ Language Arts: Play an Animal Memory Game</li> </ul> </li> <li>• Make Connections: TE page 80                             <ul style="list-style-type: none"> <li>○ Writing: Make an Illustrated Animal Book</li> </ul> </li> <li>• Make Connections: TE page 96                             <ul style="list-style-type: none"> <li>○ Writing: Write and Acrostic Poem</li> <li>○ Language Arts: Write a Story About Plants</li> </ul> </li> <li>• Make Connections: TE page 104-105                             <ul style="list-style-type: none"> <li>○ Writing: Make a Plant Needs Book</li> <li>○ Drama: Act Out Caring for Plants</li> </ul> </li> <li>• Make Connections: TE page 113                             <ul style="list-style-type: none"> <li>○ Language Arts: Write a Play About Plant Parts</li> </ul> </li> <li>• Make Connections: TE page 120-121                             <ul style="list-style-type: none"> <li>○ Drama: Recite an Action Rhyme</li> <li>○ Drama: Act Out How a Seed Sprouts</li> </ul> </li> <li>• Make Connections: TE page 136-137                             <ul style="list-style-type: none"> <li>○ Writing: Write a Habitat Story</li> <li>○ Language Arts: Complete Sentence Frames</li> </ul> </li> </ul> <p><i>JOURNEYS CONNECTIONS</i></p> <ul style="list-style-type: none"> <li>• Lesson 3, Whole Group: Read Aloud Book: I Have a Pet! (T202)</li> <li>• Lesson 3, Small Group: Vocabulary Reader: The Puppy (T268)</li> <li>• Lesson 3, Small Group: Leveled Reader: My Dog! (T274)</li> <li>• Lesson 3, Small Group: Leveled Reader: My Cat! (T275)</li> </ul>	<p><i>JOURNEYS CONNECTIONS cont.</i></p> <ul style="list-style-type: none"> <li>• Lesson 3, Small Group: Leveled Reader: Lola, the Muddy Dog (T276)</li> <li>• Lesson 6, Small Group: On Level Reader: My Pet (T87)</li> <li>• Lesson 7, Whole Group: Big Book: Mice Squeak, We Speak (T130)</li> <li>• Lesson 7, Whole Group: Informational Text: The Fort Worth Zoo (T156)</li> <li>• Lesson 7, Small Group: Vocabulary Reader: On the Farm (T174)</li> <li>• Lesson 7, Small Group: Struggling Reader: A Walk in the Woods (T180)</li> <li>• Lesson 7, Small Group: On Level Reader: At the Zoo (T181)</li> <li>• Lesson 7, Small Group: Advanced Reader: Winter Sleep (T182)</li> <li>• Lesson 8, Whole Group: Read Aloud Book: Jonathan and His Mommy (T202)</li> <li>• Lesson 8, Whole Group: Big Book: Move! (T224)</li> <li>• Lesson 8, Whole Group: Folk Tale: The Hare &amp; the Tortoise (T250)</li> <li>• Lesson 8, Small Group: Struggling Reader: Let’s Climb (T274)</li> <li>• Lesson 8, Small Group: On Level Reader: At the Aquarium (T275)</li> <li>• Lesson 8, Small Group: Advanced Reader: In the Rain (T276)</li> <li>• Lesson 10, Whole Group: Read Aloud Book: David’s Drawings (T390)</li> <li>• Lesson 10, Whole Group: Big Book: Mouse Shapes (T412)</li> <li>• Lesson 12, Whole Group: Big Book: Snow (T130)</li> <li>• Lesson 12, Small Group: Vocabulary Reader: Animals in the Snow (T174)</li> <li>• Lesson 12, Small Group: On Level Reader: Bears Through the Winter: (T181)</li> <li>• Lesson 12, Small Group: Advanced Reader: No Snow! (T182)</li> <li>• Lesson 13, Whole Group: Read Aloud Book: A Zebra’s World (T202)</li> <li>• Lesson 13, Whole Group: Big Book: What Do You Do With a Tail Like This? (T224)</li> <li>• Lesson 13, Whole Group: Poetry: Poems About Animals (T250)</li> <li>• Lesson 13, Small Group: Vocabulary Reader: Lots of Birds (T268)</li> <li>• Lesson 13, Small Group: Struggling Reader: The Pet Show (T274)</li> <li>• Lesson 13, Small Group: On Level Reader: My Flower Garden (T275)</li> <li>• Lesson 13, Small Group: Advanced Reader: In the Desert (T276)</li> </ul>

ACADEMIC CONNECTIONS TO OTHER DISCIPLINES *cont.*

## MATH: Math Expressions

- Make Connections - TE pages 46
- Math - Identify Living and Nonliving Things
- *Math Expressions Connections:*
  - Unit 1 Lesson 11: Count from 1 to 10 MX TE pages 55-58
  - Unit 1 Lesson 12: Objects and Numbers Through 10 MX TE pages 59-64
  - Unit 1 Lesson 13: Practice Numbers 1-10 MX TE pages 65-68
  - Unit 1 Lesson 14: Number of Objects in a Group MX TE pages 69-76
  - Unit 1 Lesson 15: Objects and Numbers Through 10 MX TE pages 77-80
  - Unit 1 Lesson 17: More Objects and Numbers Through 10 MX TE pages 87-90
  - Unit 1 Lesson 18: Focus on Mathematical Practices MX TE pages 91-96
- Make Connections - TE pages 64
- Math - Make an Animal Picture Graph
- Make Connections - TE pages 72
- Math - Solve Problems About Feeding Pets
- *Math Expressions Connections:*
  - Unit 5 Lesson 22: Compare Weight and Capacity MX TE pages 561-564
  - Unit 5 Lesson 23: Focus on Mathematical Practices MX TE pages 317-322
- Make Connections - TE pages 81
- Math - Find the Missing Step
- Make Connections - TE pages 97
- Math - Make a Picture Graph
- Math - Play a Sort-It-Out Game
- *Math Expressions Connections:*
  - Unit 1 Lesson 11: Count from 1 to 10 MX TE pages 55-58
  - Unit 2 Lesson 13: Identify Triangles MX TE pages 159-164
  - Unit 2 Lesson 17: Identify Hexagons MX TE pages 177-182
  - Unit 2 Lesson 20: Focus on Mathematical Practices MX TE pages 191-196
  - Unit 3 Lesson 10: Explore Classifying MX TE pages 263-268
  - Unit 3 Lesson 12: More Attributes: Shape, Size, and Color MX TE pages 275-280
  - Unit 3 Lesson 21: Focus on Mathematical Practices MX TE pages 317-322
  - Unit 4 Lesson 1: Numbers 1-10 and Math Stories: Grocery Store Scenario MX TE pages 329-334
- Make Connections - TE pages 105
- Math - Figure Out the Right Amount
- *Math Expressions Connections:*
  - Unit 5 Lesson 21: Compare Length and Compare Height MX TE pages 557-560
  - Unit 5 Lesson 22: Compare Weight and Capacity MX TE pages 561-564
  - Unit 5 Lesson 23: Focus on Mathematical Practices MX TE pages 317-322
- Make Connections - TE pages 113
- Math - Measure the Amount of Water One Plant Takes In
- *Math Expressions Connection:*
  - Unit 5 Lesson 21: Compare Length and Compare Height MX TE pages 557-560
  - Unit 5 Lesson 22: Compare Weight and Capacity MX TE pages 561-564
  - Unit 5 Lesson 23: Focus on Mathematical Practices MX TE pages 317-322
- Make Connections - TE pages 120-121
- Math - Make a Plant-Growth Chart
- *Math Expressions Connections:*
  - Unit 5 Lesson 21: Compare Length and Compare Height MX TE pages 557-560
  - Unit 5 Lesson 23: Focus on Mathematical Practices MX TE pages 317-322
- Math - Count the Number of Sprouts
- *Math Expressions Connections:*
  - Unit 1 Lesson 11: Count from 1 to 10 MX TE pages 55-58
  - Unit 1 Lesson 12: Objects and Numbers Through 10 MX TE pages 59-64
  - Unit 1 Lesson 13: Practice Numbers 1-10 MX TE pages 65-68
  - Unit 1 Lesson 14: Number of Objects in a Group MX TE pages 69-76
  - Unit 1 Lesson 15: Objects and Numbers Through 10 MX TE pages 77-80
  - Unit 1 Lesson 17: More Objects and Numbers Through 10 MX TE pages 87-90
  - Unit 1 Lesson 18: Focus on Mathematical Practices MX TE pages 91-96
  - Unit 2 Lesson 1: Find Numbers 1-10: Neighborhood Scene MX TE pages 103-108