

**Youngstown City Schools  
Science Pacing Guide  
Grade 1**

**GRADING PERIOD 1**

Strand/Topic/Content Statement	Duration	“I Can” Statements	Curriculum Resources	Supplemental Materials
<p><b>SCIENCE INQUIRY &amp; APPLICATION</b></p> <p><b>Thinking Like a Scientist</b></p> <p>Intro to Science</p>	<p>3 Weeks</p>	<p><b>Science Inquiry and Application “I Can” Statements:</b></p> <p>I can observe and ask questions about the natural environment.</p> <p>I can plan and conduct simple investigations.</p> <p>I can employ simple equipment and tools to gather data and extend the senses.</p> <p>I can use appropriate mathematics with data to construct reasonable explanations.</p> <p>I can communicate about observations, investigations, and explanations.</p> <p>I can review and ask questions about the observations and explanations of other.</p>	<p><u>Textbook:</u></p> <ul style="list-style-type: none"> <li>• How Do We Use Our Senses?</li> <li>• How Do We Use Inquiry Skills?</li> <li>• How Do We Use Science Tools?</li> </ul> <p><u>Other:</u></p> <p>Lessons</p> <ul style="list-style-type: none"> <li>• Dancing Raisins</li> </ul> <p>Mini Books</p> <ul style="list-style-type: none"> <li>• What is a Scientist?</li> <li>• Scientists and Their Tools</li> </ul>	<p><u>DiscoveryEd:</u></p> <ul style="list-style-type: none"> <li>• How Scientists Work: What is Scientific Inquiry? (all segments) – for teacher background</li> <li>• How Scientists Work: What is the Scientific Method? (all segments) – for teacher background</li> </ul> <p><u>SMARTBoard Lessons:</u></p> <ul style="list-style-type: none"> <li>• Experiment Conditions</li> <li>• Measure Up</li> <li>• Measuring Puppy</li> <li>• Mass and Measurement</li> <li>• Water Resistance</li> <li>• Science Safety Rules</li> <li>• Magnifying Glass Observation</li> </ul> <p><u>Science in Storytown Connections:</u></p> <ul style="list-style-type: none"> <li>• Lesson 11 (Q2)</li> <li>• Lesson 21 (Q3)</li> <li>• Lesson 26 (Q4)</li> </ul> <p><u>Content Statement-Related Centers</u></p> <ul style="list-style-type: none"> <li>• Build Something New (1)</li> <li>• Out of Gas (1)</li> <li>• Scientific Tools (2)</li> <li>• Fun Measuring (2)</li> </ul>

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<p style="text-align: center;"><b>LIFE SCIENCE</b></p> <p><b>Basic Needs of Living Things</b></p> <p>Living things have basic needs, which are met by obtaining materials from the physical environment.</p>	<p>6 Weeks</p>	<p><b>Topic “I Can” Statement:</b></p> <p>I understand that energy from the sun or food, nutrients, water, shelter, and air are some of the physical needs of living things in Ohio.</p> <p>I can observe and ask questions about the natural environment.</p> <p><b>Science Inquiry and Application “I Can” Statements:</b></p> <p>I can plan and conduct simple investigations.</p> <p>I can employ simple equipment and tools to gather data and extend the senses.</p> <p>I can use appropriate mathematics with data to construct reasonable explanations.</p> <p>I can communicate about observations, investigations, and explanations.</p> <p>I can review and ask questions about the observations and explanations of other.</p>	<p><u>Textbook:</u></p> <ul style="list-style-type: none"> <li>• What Are Living and Nonliving Things?</li> <li>• What Do Animals Need?</li> <li>• What Do Plants Need?</li> </ul> <p><u>Other:</u></p> <p>Lessons</p> <ul style="list-style-type: none"> <li>• What Are Living and Nonliving Things?</li> <li>• Basic Needs – Part 1</li> <li>• Where Food Comes From</li> </ul> <p><u>Reproducible Books:</u></p> <ul style="list-style-type: none"> <li>• All Animals Need Food and Shelter</li> <li>• Basic Needs</li> <li>• Do You Know Where Food Comes From?</li> </ul> <p><u>Ohio Department of Education - Science:</u>  <a href="http://education.ohio.gov/Topics/Ohio-s-New-Learning-Standards/Science">http://education.ohio.gov/Topics/Ohio-s-New-Learning-Standards/Science</a></p>	<p><u>DiscoverEd:</u></p> <ul style="list-style-type: none"> <li>▪ Living and Nonliving Things (12:00)</li> <li>▪ Everybody Needs Food (all segments)</li> </ul> <p><u>SMARTBoard Lessons:</u></p> <ul style="list-style-type: none"> <li>▪ Animal Needs</li> <li>▪ Dead or Alive</li> <li>▪ Plant Needs</li> <li>▪ What Is Real About Plants and Animals</li> </ul> <hr/>