



Teaching and Learning

# Louisiana Guide to Piloting OpenSciEd: Grade 5

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To assist teachers with the pilot version of the OpenSciEd curriculum for grade 5, this document provides guidance regarding how OpenSciEd units correlate with the [Louisiana Student Standards for Science](#) (LSSS). The OpenSciEd curriculum provides ample instructional guidance for teachers. This Louisiana Guide for Piloting OpenSciEd goes a step further to point out places in which teachers may need to make strategic decisions considering student needs. This guide will be updated as OpenSciEd K-5 units are [released](#).

This guidance document is considered a “living” document as we believe that teachers and other educators will find ways to improve the document as they use it. Please send feedback to [STEM@la.gov](mailto:STEM@la.gov) so that we may use your input when updating this guide.

Updated March 10, 2025

# Table of Contents

<a href="#"><u>Standards by Unit</u></a>	3
<a href="#"><u>LDOE Formative Assessment Resources</u></a>	4

## Standards by Unit

	5.1 Ecosystems and Matter Cycling	5.2 Matter Properties	5.3 Earth Systems	5.4 Earth in the Universe
<b>Number of Lessons</b>	14 Lessons	15 Lessons	<i>Pending Release</i>	<i>Pending Release</i>
<b>Anchor Phenomenon Question</b>	How does a nurse log help other things live and grow?	How can we make water healthy for all living things?	How does changing the flow of water impact Earth's systems and how can humans help?	How and why does what I see in the sky change?
<b>Standards</b>	5-PS1-1 5-PS3-1 5-LS1-1 5-LS2-1	5-PS1-2 5-PS1-3 5-PS1-4 3-5-ETS1-3	5-ESS2-1 5-ESS2-2 5-ESS3-1 3-5-ETS1-2	5-ESS1-1 5-ESS1-2 5-PS2-1
<b>Unit Resources</b>	<a href="#">Unit Materials</a>	<a href="#">Unit Materials</a>	<i>Available Summer 2024</i>	<i>Available Winter 2025</i>

## LDOE Formative Assessment Resources

LDOE formative assessment resources include a library of Louisiana educator-created discrete items and sets, LEAP Practice Test Items, and LEAP Assessment Guide Items correlated to the Louisiana Student Standards for Science. These resources can be used alongside guidance from a high-quality curriculum to provide opportunities for students to showcase their learning.

Unit	Discrete Items	Item Sets and Practice Test Items
5.1 Ecosystems and Matter Cycling	<p><b><u>LDOE Formative Assessment Items (Password - Educate2020):</u></b></p> <ul style="list-style-type: none"> <li>• Pond, Arctic Ground Squirrels (5-PS3-1)</li> <li>• Plant Project, Atchafalaya Basin (5-LS1-1)</li> <li>• African Ecosystem, Water Hyacinths, Walter’s Food Web (5-LS2-1)</li> </ul> <p><b><u>LEAP Practice Test Standalone Items:</u></b></p> <ul style="list-style-type: none"> <li>• 23 &amp; 38 (5-PS3-1)</li> <li>• 13 &amp; 33 (5-LS1-1)</li> <li>• 15 (5-LS2-1)</li> </ul> <p><b><u>LEAP Assessment Guide Items:</u></b></p> <ul style="list-style-type: none"> <li>• Forest Ecosystem (5-PS3-1)</li> </ul>	<p><b><u>LDOE Formative Assessment Items (Password - Educate2020):</u></b></p> <ul style="list-style-type: none"> <li>• Australian Ecosystem (5-LS1-1 and 5-PS3-1)</li> </ul> <p><b><u>LEAP Practice Test Sets:</u></b></p> <ul style="list-style-type: none"> <li>• Rafflesia (5-LS1-1 and 5-LS2-1)</li> </ul> <p><b><u>LEAP Assessment Guide Sets:</u></b></p> <ul style="list-style-type: none"> <li>• Item Set: Cordgrass Ecosystem (5-LS1-1 and 5-LS2-1)</li> </ul>
5.2 Matter Properties	<p><b><u>LDOE Formative Assessment Items (Password - Educate2020):</u></b></p> <ul style="list-style-type: none"> <li>• Gas Particles (5-PS1-1)</li> <li>• Coolers, Burning Wood, Mixing Substances (5-PS1-2)</li> <li>• Water Quality (5-PS1-3)</li> <li>• Hoey (5-PS1-4)</li> </ul> <p><b><u>LEAP Practice Test Standalone Items:</u></b></p> <ul style="list-style-type: none"> <li>• 35 (5-PS1-1)</li> <li>• 22 &amp; 32 (5-PS1-2)</li> <li>• 41 (5-PS1-3)</li> <li>• 14 (5-PS1-4)</li> </ul> <p><b><u>LEAP Assessment Guide Items:</u></b></p> <ul style="list-style-type: none"> <li>• Milk Investigation (5-PS1-4)</li> </ul>	<p><b><u>LDOE Formative Assessment Items (Password - Educate2020):</u></b></p> <ul style="list-style-type: none"> <li>• Diamond Mining (5-PS1-3 and 5-PS1-4)</li> </ul> <p><b><u>LEAP Practice Test Sets:</u></b></p> <ul style="list-style-type: none"> <li>• Mineral Identification (5-PS1-3 and 5-PS1-1)</li> <li>• Mixing Liquids (5-PS1-2 and 5-PS1-4)</li> </ul> <p><b><u>LEAP Assessment Guide Sets:</u></b></p> <ul style="list-style-type: none"> <li>• N/A</li> </ul>

Unit	Discrete Items	Item Sets and Practice Test Items
5.3 Earth's Systems	<p><b><u>LDOE Formative Assessment Items</u></b> (Password - Educate2020):</p> <ul style="list-style-type: none"> <li>Precipitation, Briksdal (5-ESS2-1)</li> <li>Water Distribution (5-ESS2-2)</li> <li>Air Pollution, Dust Storms (5-ESS3-1)</li> </ul> <p><b><u>LEAP Practice Test Standalone Items:</u></b></p> <ul style="list-style-type: none"> <li>34 &amp; 39 (5-ESS2-2)</li> </ul> <p><b><u>LEAP Assessment Guide Items:</u></b></p> <ul style="list-style-type: none"> <li>Water on Earth (5-ESS2-2)</li> </ul>	<p><b><u>LDOE Formative Assessment Items</u></b> (Password - Educate2020):</p> <ul style="list-style-type: none"> <li>N/A</li> </ul> <p><b><u>LEAP Practice Test Sets:</u></b></p> <ul style="list-style-type: none"> <li>Louisiana Black Bears (5-ESS3-1)</li> <li>Controlling Runoff (5-ESS2-1 and 5-ESS3-1)</li> </ul> <p><b><u>LEAP Assessment Guide Sets:</u></b></p> <ul style="list-style-type: none"> <li>N/A</li> </ul>
5.4 Earth in the Universe	<p><b><u>LDOE Formative Assessment Items</u></b> (Password - Educate2020):</p> <ul style="list-style-type: none"> <li>Gravity (5-PS2-1)</li> <li>Skies (5-ESS1-1)</li> <li>Two Stars (5-ESS1-1)</li> <li>Constellations, Moon Cycle (5-ESS1-2)</li> </ul> <p><b><u>LEAP Practice Test Standalone Items:</u></b></p> <ul style="list-style-type: none"> <li>40 (5-PS2-1)</li> <li>37 (5-ESS1-1)</li> <li>21 &amp; 36 (5-ESS1-2)</li> </ul> <p><b><u>LEAP Assessment Guide Items:</u></b></p> <ul style="list-style-type: none"> <li>Sky Patterns (5-ESS1-2)</li> </ul>	<p><b><u>LDOE Formative Assessment Items</u></b> (Password - Educate2020):</p> <ul style="list-style-type: none"> <li>Biomes (5-ESS3-1 and 5-LS1-1)**</li> </ul> <p><b><u>LEAP Practice Test Sets:</u></b></p> <ul style="list-style-type: none"> <li>Brightness and Shadows (5-ESS1-1 and 5-ESS1-2)</li> </ul> <p><b><u>LEAP Assessment Guide Sets:</u></b></p> <ul style="list-style-type: none"> <li>Task Set: Landslides (5-PS2-1 and 5-ESS2-1)**</li> </ul>

\*\*Contains performance expectations from a previous unit