



Teaching and Learning

# Louisiana Guide to Piloting OpenSciEd: Grades K-2

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To assist teachers with the pilot version of the OpenSciEd curriculum for Kindergarten through grade 2, 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

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## Kindergarten Standards by Unit

	K.1 Energy: Sunlight	K.2 Weather	K.3 Force & Motion	K.4 Ecosystems
Number of Lessons	10 Lessons	10 Lessons	<i>Pending Release</i>	<i>Pending Release</i>
Anchor Phenomenon Question	Why do some surfaces get hot and how can we make them less hot?	How can we be prepared for the weather?	How can we move things to where we want them to go?	What do plants and animals need and should we help them?
Standards	K-PS3-1 K-PS3-2 K-2-ETS1-1 K-2-ETS1-2	K-ESS2-1 K-ESS3-2	K-PS2-1 K-PS2-2 K-2ETS1-1 K-2-ETS1-2 K-2ETS1-3	K-LS1-1 K-ESS2-2 K-ESS3-1 K-ESS3-3
Unit Resources	<a href="#">Unit Materials</a>	<a href="#">Unit Materials</a>	<i>Available Summer 2024</i>	<i>Available Winter 2025</i>

## Grade 1 Standards by Unit

	1.1 Waves: Light	1.2 Waves: Sound	1.3 Sky Patterns	1.4 Animal & Plant Traits
Number of Lessons	10 Lessons	10 Lessons	<i>Pending Release</i>	<i>Pending Release</i>
Anchor Phenomenon Question	How can we read under the covers when it is dark?	How do objects make and use sound to communicate?	How do patterns of the Sun, Moon, and stars affect what we see in the sky?	How do animals and plants use their parts to survive?
Standards	1-PS4-2 1-PS4-3	1-PS4-1 1-PS4-4 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	1-ESS1-1 1-ESS1-2	1-LS1-1 1-LS1-2 1-LS3-1 K-2-ETS1-1 K-2-ETS1-2
Unit Resources	<a href="#">Unit Materials</a>	<a href="#">Unit Materials</a>	<i>Available Summer 2024</i>	<i>Available Winter 2025</i>

## Grade 2 Standards by Unit

	2.1 Earth: Land Erosion	1.2 Structure and Properties of Materials	1.3 Habitats and Biodiversity	Unit 4 Plants
Number of Lessons	10 Lessons	10 Lessons	<i>Pending Release</i>	<i>Pending Release</i>
Anchor Phenomenon Question	Why does land change shape and how can we prevent land from changing?	How can we design a new toy?	What plants and animals live in different lands, waters, and other places?	How is that growing there?
Standards	2-ESS1-1 2-ESS2-1 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	2-PS1-1 2-PS1-2 2-PS1-3 2-PS1-4 K-2-ETS1-1 K-2-ETS1-2 K-2-ETS1-3	2-LS4-1 2-ESS2-2 2-ESS2-3	2-LS2-1 2-LS2-2
Unit Resources	<a href="#">Unit Materials</a>	<a href="#">Unit Materials</a>	<i>Available Summer 2024</i>	<i>Available Winter 2025</i>