

Louisiana Believes

Louisiana Guide to Implementing PhD Science: Grade 3

To assist teachers with the implementation of the third Grade PhD Science curriculum, this document provides guidance regarding how PhD Science units correlate with the Louisiana Student Standards for Science (LSSS). The PhD Science curriculum provides ample instructional guidance for teachers. This Louisiana Guide for Implementing PhD Science goes a step further to point out places in which teachers may need to make strategic decisions considering student needs and time availability.

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 classroomsupporttoolbox@la.gov so that we may use your input when updating this guide.

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Standards by Module ¹

	Module 1 Weather and Climate	Module 2 Survival	Module 3 Traits	Module 4 Forces and Motion
Approximate Timeframe	29 days	28 days	28 days	30 days
Anchor Phenomenon	1900 Galveston Hurricane	Butterfly Survival	Individual Variation in Humpback Whales	Motion in Outer Space
Essential Question	How can we prevent a storm from becoming a disaster?	How do butterflies survive over time in a changing environment?	What makes an individual humpback whale unique?	Why do objects appear to move differently in space than on Earth?
Instructional Texts	<i>Hurricanes! Tornadoes! Marvelous Mattie: How Margaret E. Knight Became an Inventor</i>	<i>A Butterfly is Patient Amos & Borris</i>	<i>Here come the Humpbacks</i>	<i>Moon Shot</i>
Standards	3-ESS2-1 3-ESS2-2 3-ESS3-1	3-LS2-1 3-LS4-1 3-LS4-3 3-LS4-4	3-LS1-1 3-LS3-1 3-LS3-2 3-LS4-2	3-PS2-1 3-PS2-2 3-PS2-3 3-PS2-4

¹ Adapted from guidance developed by PhD Science

Alignment to EAGLE 2.0

The EAGLE 2.0 online tool supports formative assessment in the classroom and can be used in conjunction with PhD Science assessment guidance to enhance teaching and learning. [A Teacher's Guide to LEAP 360](#) provides an overview of the online tool and information on how to access the science EAGLE assessment items. The assessment items below can be used immediately following a unit of study to help measure student progress.

Module	Eagle Discrete Items	EAGLE Item Sets and Practice Test Items
Module 1 Weather and Climate	Climates (3-ESS2-2) LA_BOS (3-ESS2-2) Gr3 Tornadoes (3-ESS3-1) Levees (3-ESS3-1)	Practice Item Set Winter Storms (3-ESS2-1 and 3-ESS3-1)
Module 2 Survival	Gulfbirds (3-LS4-3) Red Snapper (3-LS4-4) Tortoises (3-LS4-4) Penguins (3-LS2-1) Lions & Tigers (3-LS2-1) Fossils (3-LS4-1) Ashfall Fossil bed (3-LS4-1) Shark Tooth (3-LS4-1)	<i>Items Coming Soon</i>
Module 3 Traits	Moth (3-LS4-2) Black Bears (3-LS1-1) Butterfly Cycle (3-LS1-1)	Practice Item Set Amazon River Dolphins (3-LS2-1 and 3-LS1-1) Practice Item Set Rattlesnake (3-LS3-1 and 3-LS4-2) Practice Item Set Plants and Heat (3-LS3-2 and 3-ESS2-1) Pythons (3-LS3-1 and 3-LS3-2)
Module 4 Forces and Motion	Cradle (3-PS2-1) Volleyball (3-PS2-1) Skateboard (3-PS2-1) Ball Type (3-PS2-2)	Practice Item Set Seesaws (3-PS2-2 and 3-PS2-2) Oil Spill (3-PS2-2 and 3-PS2-3) Bowling (3-PS2-1, 3-PS2-2)

PhD Science Materials and Professional Development

Professional Development Services

PhD Science professional development sessions are designed for teachers, teacher leaders, instructional coaches, curriculum specialists, and administrators. For information about PhD Science professional development services, review the [PD Vendor Guide](#).

Purchasing Information

Great Minds offers PhD Science as a [Tier 1](#) science program for grades 3-5. Print materials and kits are available for purchase. The [Great Minds, PhD Science, Price List](#) provides an overview of the materials and kits available through the Department's [Instructional Materials Contract Pricing](#).