

Louisiana Guide to Implementing IQWST: Grade 6

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Purpose

To assist teachers with the implementation of the IQWST curriculum for grade 6, this document provides guidance regarding how the IQWST modules correlate with the [Louisiana Student Standards for Science](#) (LSSS). The IQWST curriculum provides ample instructional guidance for teachers. This Louisiana Guide for Implementing IQWST goes a step further to point out places in which teachers may need to make strategic decisions, considering student needs.

IQWST Grade 6 may include performance expectations featured in other grade levels. These units are intentionally designed to provide students the opportunity to incrementally make sense of phenomena to build understanding and abilities over time through a coherent storyline. Modification to the sequence or content of lessons within these units could undermine the design and, therefore, should be approached with caution and careful consideration.

This guidance document is considered a 'living' document, reflecting the expectation that teachers and other educators will continue to identify opportunities for improvement as it is applied in practice. Please send feedback to STEM@la.gov so that the Louisiana Department of Education (LDOE) may incorporate your suggestions when updating this guide.

Standards by Unit

	Module 1 Physical Science PS1	Module 2 Life Science LS1	Module 3 Physical Science PS3
Number of Lessons	13 lessons 3 Appendices	13 lessons 1 Appendix	8 lessons 2 Appendices
Anchor Phenomenon Question	Can I believe my eyes?	Where have all the creatures gone?	How will it move?
Standards ²	6-MS-PS4-1 6-MS-PS4-2 6-MS-ESS1-1 6-MS-ESS1-3 7-MS-PS1-4 7-MS-PS3-4 8-MS-ESS3-1	6-MS-LS2-1 6-MS-LS2-2 6-MS-LS2-3 6-MS-ESS3-4 7-MS-LS1-6 7-MS-LS1-7 7-MS-LS2-4 7-MS-LS2-5 8-MS-LS1-4 8-MS-LS1-5 8-MS-LS4-2 8-MS-ESS3-3	6-MS-PS2-1 6-MS-PS2-2 6-MS-PS2-3 6-MS-PS2-4 6-MS-PS2-5 6-MS-PS3-1 6-MS-PS3-2 6-MS-ESS1-2 8-MS-PS3-5

6-MS-LS1-1, 6-MS-LS1-2, and 6-MS-PS1-1 are not addressed by the Grade 6 IQWST units. The performance expectations can be addressed by incorporating the [Grade 6 Louisiana Sample Scope and Sequence](#).

²Performance expectations which are unique to the Next Generation Science Standards for Middle School have not been included in this table.

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 LSSS. These resources can be used alongside guidance from a high-quality curriculum to provide opportunities for students to showcase their learning.

Unit	Discrete Items	Sets
Module 1 Physical Science PS1	<u>LDOE Formative Assessment Items (Password- Educate2020):</u> • Trials, Reverberation (6-MS-PS4-1) • Spectral Signature, Telescopes (6-MS-PS4-2) • Moons, Midnight_Sun (6-MS-ESS1-1) • Dwarf Planets (6-MS-ESS1-3) <u>LEAP Practice Test Standalone Items:</u> • 23and 32 (6-MS-ESS1-1) • 41 (6-MS-PS4-1) <u>LEAP Assessment Guide Items:</u> • Sound Waves (6-MS-PS4-1) <u>LEAP Science Released Items:</u> • Eclipses (6-MS-ESS1-1)	<u>LDOE Formative Assessment Sets (Password- Educate2020):</u> • Item Set: Ocean Waves (6-MS-PS4-1) <u>LEAP Practice Test Sets:</u> • Item Set: Properties of Light and Sound Waves (6-MS-PS4-1, 6-MS-PS4-2) <u>LEAP Assessment Guide Sets:</u> • N/A <u>LEAP Science Released Items:</u> • Item Set: Solar System Properties (6-MS-ESS1-3)
Module 2 Life Science LS1	<u>LDOE Formative Assessment Items (Password- Educate2020):</u> • Cherry Tree, Wolves and Moose (6-MS-LS2-2) • Microplastics (6-MS-LS2-3) • Gr6 Red Snapper (6-MS-ESS3-4) <u>LEAP Practice Test Standalone Items:</u> • 13 (6-MS-LS2-3) • 22 (6-MS-ESS3-4) • 36 (6-MS-LS2-3)	<u>LDOE Formative Assessment Sets (Password- Educate2020):</u> • Item Set: Deer (6-MS-LS2-1) <u>LEAP Practice Test Sets:</u> • Item Set: Anasazi and the Great Drought (6-MS-LS2-1 and 6-MS-LS2-2) <u>LEAP Assessment Guide Sets:</u> • N/A

Unit	Discrete Items	Sets
Module 2 <i>continued</i>	<u>LEAP Assessment Guide Items:</u> - Lichens (6-MS-LS2-2) - Florida Everglades (6-MS-LS2-1) <u>LEAP Science Released Items:</u> - Interactions (6-MS-LS2-3)	<u>LEAP Science Released Items:</u> Task Set: Aldabra Tortoises (6-MS-LS2-1 and 6-MS-LS2-2)
Module 3 Physical Science PS3	<u>LDOE Formative Assessment Items (Password- Educate2020):</u> - Satellite, Shin Guard Design (6-MS-PS2-1) - Soccer Ball, Juan's Skateboard (6-MS-PS2-2) - Electric Motor (6-MS-PS2-3) - Gr6 Moons (6-MS-PS2-4) - Popcorn (6-MS-PS2-5) - Spitzer (6-MS-ESS1-2) - Sports Balls (6-MS-PS3-1) <u>LEAP Practice Test Standalone Items:</u> 14, 33 (6-MS-PS2-2) 35 (6-MS-PS3-2) 37 (6-MS-PS2-5) 38 (6-MS-ESS1-2) 39 (6-MS-PS2-4) 40 (6-MS-PS2-1) <u>LEAP Assessment Guide Items:</u> - Electric and Magnetic Forces (6-MS-PS2-3) - Gravitational Force (6-MS-PS2-4) <u>LEAP Science Released Items:</u> - N/A	<u>LDOE Formative Assessment Sets (Password- Educate2020):</u> - Item Set: Bowling (6-MS-PS3-1, 6-MS-PS2-2) <u>LEAP Practice Test Sets:</u> - Item Set: Changes in the Earth's Magnetic Field (6-MS-PS2-3, 6-MS-PS2-5) - Task Set: Marbles (6-MS-PS3-1, 6-MS-PS3-2) - Item Set: Asteroids in the Solar System (6-MS-ESS1-2, 6-MS-ESS1-3) <u>LEAP Assessment Guide Sets:</u> - Task Set: Laws of Motion and Bicycle Helmets (6-MS-PS2-1, 6-MS-PS2-2) - Item Set: Eclipses (6-MS-ESS1-1, 6-MS-ESS1-2) <u>LEAP Science Released Items:</u> - N/A

Unit	Discrete Items	Sets
Other standards	<u>LEAP Formative Assessment Items</u> (Password- Educate2020): - Models (6-MS-PS1-1) - Gr6 Minerals (6-MS-LS1-1) - Slugs and Chloroplasts, Plant Cells (6-MS-LS1-2) <u>LEAP Practice Test Standalone Items:</u> 15 (6-MS-PS1-1) 34 (6-MS-LS1-1) 21 (6-MS-LS1-2) <u>LEAP Assessment Guide Items:</u> - N/A <u>LEAP Science Released Items:</u> - N/A	<u>LEAP Formative Assessment Sets</u> (Password- Educate2020): - N/A <u>LEAP Practice Test Sets:</u> - Item Set: Organelles (6-MS-LS1-1, 6-MS-LS1-2) <u>LEAP Assessment Guide Sets:</u> - N/A <u>LEAP Science Released Items:</u> - N/A