



Teaching and Learning

Louisiana Guide to Implementing IQWST: Grade 7

To assist teachers with the implementation of the IQWST curriculum for grade 7, 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 7 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 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 so that we may use your input when updating this guide.

February 4, 2025

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Standards by Unit

	Module 1 Chemistry IC1	Module 2 Earth Science ES2	Module 3 Life Science LS2	Module 4 Chemistry IC3
Number of Lessons	16 lessons	8 lessons	11 lessons	10 lessons
Anchor Phenomenon Question	How can I smell things from a distance?	What makes the weather change?	What is going on inside of me?	How does food provide my body with energy?
Standards ²	7-MS-PS1-2* 7-MS-PS1-4* 7-MS-PS3-4* 7-MS-ESS2-4* 8-MS-PS1-1 8-MS-PS3-3	7-MS-ESS2-4* 7-MS-ESS2-5 7-MS-ESS2-6 7-MS-ESS3-5 7-MS-PS1-4* 6-MS-ESS1-1 8-MS-ESS2-1 8-MS-PS3-5	7-MS-LS1-3 7-MS-LS1-7* 7-MS-PS1-5* 6-MS-LS1-1 6-MS-LS1-2 6-MS-LS2-2 6-MS-LS2-3 6-MS-ESS1-3 8-MS-LS1-4	7-MS-PS1-2* 7-MS-PS1-5* 7-MS-PS3-4* 7-MS-LS1-6 7-MS-LS1-7* 7-MS-LS2-4† 6-MS-PS1-1 6-MS-LS2-3 8-MS-PS1-6 8-MS-LS1-5

†The identified phenomenon only partially addresses the performance expectation. 7-LS2-5, 7-LS3-2, 7-LS4-4, and 7-LS4-5 are not addressed by the Grade 6 IQWST units. The performance expectations can be addressed by incorporating the [Grade 7 Louisiana Sample Scope and Sequence](#).

*Performance expectation appears in more than one module.

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 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	Sets
Module 1 Chemistry IC1	<p><u>LDOE Formative Assessment Items (Password- Educate2020):</u></p> <ul style="list-style-type: none"> Brass Experiment, Jeff’s Models (7-MS-PS1-4) Temperature Increase (7-MS-PS3-4) <p><u>LEAP Practice Test Standalone Items:</u></p> <ul style="list-style-type: none"> 22 (7-MS-PS1-4) 40 (7-MS-PS3-4) <p><u>LEAP Assessment Guide Items:</u></p> <ul style="list-style-type: none"> N/A 	<p><u>LDOE Formative Assessment Sets (Password- Educate2020):</u></p> <ul style="list-style-type: none"> N/A <p><u>LEAP Practice Test Sets:</u></p> <ul style="list-style-type: none"> Item Set: Melting Icebergs (7-MS-PS1-4, 7-MS-PS3-4) <p><u>LEAP Assessment Guide Sets:</u></p> <ul style="list-style-type: none"> Task Set: Properties of water (7-MS-PS1-4, 7-MS-PS3-4)
Module 2 Earth Science ES2	<p><u>LDOE Formative Assessment Items (Password- Educate2020)::</u></p> <ul style="list-style-type: none"> Washington Rainfall (7-MS-ESS2-5) White Chuck Glacier (7-MS-ESS3-5) <p><u>LEAP Practice Test Standalone Items:</u></p> <ul style="list-style-type: none"> 23 (7-MS-ESS2-6) 36 (7-MS-ESS3-5) <p><u>LEAP Assessment Guide Items:</u></p> <ul style="list-style-type: none"> Weather fronts (7-MS-ESS2-5) 	<p><u>LDOE Formative Assessment Sets (Password- Educate2020)::</u></p> <ul style="list-style-type: none"> N/A <p><u>LEAP Practice Test Sets:</u></p> <ul style="list-style-type: none"> Item Set: Arizona Monsoon (7-MS-ESS2-5, 7-MS-ESS2-6) <p><u>LEAP Assessment Guide Sets:</u></p> <ul style="list-style-type: none"> N/A
Module 3 Life Science LS2	<p><u>LDOE Formative Assessment Items (Password- Educate2020):</u></p> <ul style="list-style-type: none"> Artificial Windpipe (7-MS-LS1-3) <p><u>LEAP Practice Test Standalone Items:</u></p> <ul style="list-style-type: none"> 15, 41 (7-MS-LS1-3) 	<p><u>LDOE Formative Assessment Sets (Password- Educate2020):</u></p> <ul style="list-style-type: none"> N/A <p><u>LEAP Practice Test Sets:</u></p> <ul style="list-style-type: none"> N/A

Unit	Discrete Items	Sets
Module 3 <i>cont.</i>	<u>LEAP Assessment Guide Items:</u> <ul style="list-style-type: none"> • N/A 	<u>LEAP Assessment Guide Sets:</u> <ul style="list-style-type: none"> • N/A
Module 4 Chemistry IC3	<u>LDOE Formative Assessment Items (Password- Educate2020):</u> <ul style="list-style-type: none"> • Two Solids, Hydrogen Iodide (7-MS-PS1-2) • Pesticides (7-MS-PS1-5) • Dandelions (7-MS-LS1-6) <u>LEAP Practice Test Standalone Items:</u> <ul style="list-style-type: none"> • 14, 34, 37 (7-MS-PS1-2) • 32 (7-MS-LS1-6) <u>LEAP Assessment Guide Items:</u> <ul style="list-style-type: none"> • Properties of substances (7-MS-PS1-2) 	<u>LDOE Formative Assessment Sets (Password- Educate2020):</u> <ul style="list-style-type: none"> • N/A <u>LEAP Practice Test Sets:</u> <ul style="list-style-type: none"> • Item Set: Volcanic Carbon (7-MS-PS1-5, 7-MS-ESS3-5)* • Item Set: Louisiana Swamplands (7-MS-LS1-7, 7-MS-LS1-6) <u>LEAP Assessment Guide Sets:</u> <ul style="list-style-type: none"> • N/A
Other standards	<u>LDOE Formative Assessment Items (Password- Educate2020):</u> <ul style="list-style-type: none"> • Models (6-MS-PS1-1) • Gr6 Minerals (6-MS-LS1-1) • Slugs and Chloroplast, Plant Cells (6-MS-LS1-2) <u>LEAP Practice Test Standalone Items:</u> <ul style="list-style-type: none"> • 34 (6-MS-PS1-1) • 21 (6-MS-LS1-2) <u>LEAP Assessment Guide Items:</u> <ul style="list-style-type: none"> • N/A 	<u>LDOE Formative Assessment Sets (Password- Educate2020):</u> <ul style="list-style-type: none"> • N/A <u>LEAP Practice Test Sets:</u> <ul style="list-style-type: none"> • Item Set: Organelles (6-MS-LS1-1, 6-MS-LS1-2) <u>LEAP Assessment Guide Sets:</u> <ul style="list-style-type: none"> • N/A

*set includes a performance expectation from a previous unit

+set includes a performance expectation not fully covered in this scope and sequence