

Louisiana Believes

Louisiana Guide to Implementing IQWST: Grade 6

To assist teachers with the implementation of the sixth Grade IQWST curriculum, this document provides guidance regarding how IQWST units 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 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.

Updated January 4, 2021



Table of Contents

Module Design	3
Standards by Module	4
Alignment to EAGLE 2.0	5
IQWST Materials and Professional Development	7
Remote Learning Resources	8

Module Design

The IQWST modules use phenomena to drive three-dimensional science instruction. The incorporated phenomena are observable events that occur in the universe and can be explained by science. They establish the purpose for learning and help students to connect their learning to real world experiences and related phenomena. IQWST engage students in the science and engineering practices as they experience, investigate, and explain phenomena while learning core ideas. Students build understanding by connecting ideas across multiple disciplines of science and across middle school grades.

The modules include bundles of performance expectations that are built around an anchor phenomenon. The modules may include performance expectations from previous or future grade levels. These modules 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 is not recommended and should be approached with much caution and careful consideration.

Primary and Secondary Standards

The modules do not equally emphasize the [primary and secondary standards](#). There is a greater emphasis on the primary standards to support students as they develop an understanding of the anchor phenomenon, the science and engineering practices, disciplinary core ideas, and crosscutting concepts. The modules introduce or revisit secondary standards throughout the modules to deepen students' understanding of the three dimensions, support students' learning over multiple grade levels, and help students' make interdisciplinary connections.

Standards by Module

The modules do not equally emphasize the primary and secondary standards. There is a greater emphasis on the primary standards to support students as they develop an understanding of the anchor phenomenon, the science and engineering practices, disciplinary core ideas, and crosscutting concepts. The modules introduce or revisit secondary standards throughout the modules to deepen students’ understanding of the three dimensions, support students’ learning over multiple grade levels, and help students’ make interdisciplinary connections.

Module	Standards by Module
Can I believe my eyes? (PS1)	6-MS-PS4-1, 6-MS-PS4-2, 6-MS-ESS1-1, 6-MS-ESS1-2, 6-MS-ESS1-3 7-MS-PS1-4, 7-MS-PS3-4, 8-MS-ESS 3-1
Where have all the creatures gone? (LS1)	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-LS4-2, 8-MS-ESS3-3, 8-MS-LS1-4, 8-MS-LS1-5
How will it move? (PS3)	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

Standards 6-MS-LS1-1, 6-MS-LS1-2 and 6-MS-PS1-1 are partially addressed throughout the Grade 6 modules.

Primary Standards (■) Secondary Standards (□)

Alignment to EAGLE 2.0

The EAGLE 2.0 online tool supports formative assessment in the classroom and can be used in conjunction with IQWST’s 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 that are included 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
Can I believe my eyes? (PS1)	Trials (6-MS-PS4-1) Reverberation (6-MS-PS4-1) Spectral Signature (6-MS-PS4-2) Telescopes (6-MS-PS4-2) Moons (6-MS-ESS1-1) Midnight_Sun (6-MS-ESS1-1) Spitzer (6-MS-ESS1-2) Dwarf Planets (6-MS-ESS1-3)	Ocean Waves (6-MS-PS4-1) Asteroids in the Solar System (6-MS-ESS1-2, 6-MS-ESS1-3)
Where have all the creatures gone? (LS1)	Gr6 Red Snapper (6-MS-ESS3-4) Cherry Tree (6-MS-LS2-2) Wolves and Moose (6-MS-LS2-2) Microplastics (6-MS-LS2-2)	Deer (6-MS-LS2-1) Anasazi and the Great Drought (6-MS-LS2-1, 6-MS-LS2-2)
How will it move? (PS3)	Satellite (6-MS-PS2-1) Shin Guard Design (6-MS-PS3-1) Soccer Ball (6-MS-PS2-2) Electric Motor (6-MS-PS2-3) Gr6 Moons (6-MS-PS2-4) Popcorn (6-MS-PS2-5) Mass Energy (6-MS-PS3-1)	Marbles (6-MS-PS3-1, 6-MS-PS3-2) Changes in the Earth's Magnetic Field (6-MS-PS2-3, 6-MS-PS2-5) Bowling (6-MS-PS3-1, 6-MS-PS2-2)

Module	Eagle Discrete Items	EAGLE Item Sets and Practice Test Items
Additional Standards	Gr6 Minerals (6-MS-LS1-1) Models (6-MS-PS1-1) Slugs and Chloroplast (6-MS-LS1-2) Plant Cells (6-MS-LS1-2)	Organelles (6-MS-LS1-1, 6-MS-LS1-2)

IQWST Materials and Professional Development

Purchasing Information

Activate Learning offers IQWST as a [Tier 1](#) science curriculum for grades 6-8. Print materials and kits are available for purchase. The [Activate Learning, IQWST, Price List](#) provides an overview of the materials and kits available through the Department's [Instructional Materials Contract Pricing](#).

Professional Development Services

IQWST professional development sessions invite teachers to rethink previous practices, construct new outcomes, and teach in new ways they may not have taught before as classroom discourse and pushing student thinking take center stage. For information about IQWST professional development services, review the [PD Vendor Guide](#).

IQWST Remote Learning Resources

The [Remote Learning Lesson Plan Overview](#) contains information about Remote Learning Lesson Plans (RLLPs) including:

- link to [Louisiana Specific Website](#)
- remote adaptation design considerations
- preparation protocols for teachers
- suggestions for supporting students
- links to additional IQWST resources and support

For questions about this or other IQWST resources, contact support@activatelearning.com.