



Louisiana Believes

Louisiana Guide to Implementing Activate Learning OpenSciEd: Grade 6

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

The Activate Learning OpenSciEd Grade 6 units may include performance expectations from previous 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.

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Standards by Unit¹

	Unit 1 Light and Matter	Unit 2 Contact Forces	Unit 3 Sound Waves	Unit 4 Forces at a Distance	Unit 5 Earth in Space	Unit 6 Cells and Systems
Number of Lessons	8	16	14	12	17	14
Anchor Phenomenon Question	Why do we sometimes see different things when looking at the same object?	Why do things sometimes get damaged when they hit each other?	How can a sound make something move?	How can a magnet move another object without touching it?	Why do we see patterns in the sky, and what else is out there that we can't see?	How do living things heal?
Louisiana Students Standards for Science	6-PS4-2*	6-PS2-1 6-PS2-2 6-PS3-1	6-PS4-1 6-PS4-2*	6-PS2-3 6-PS2-5 6-PS3-2	6-ESS1-1 6-ESS1-2 6-ESS1-3 6-PS2-4 6-PS4-2* 8-LS4-3	6-LS1-1 6-LS1-2 7-LS1-3*

*6-PS1-1, 6-LS2-1, 6-LS2-2, L-LS2-3, & 6-ESS3-4 are not fully addressed by the Grade 6 Activate Learning OpenSciEd units. Further instruction of the performance expectation should be explored by incorporating the [Grade 6 Louisiana Sample Scope and Sequence](#) and/or [Chapters 1-4 of Disruptions in Ecosystems Alternative Unit](#) as needed.

¹Adapted from guidance developed by Activate Learning and OpenSciEd.

Alignment to LDOE Formative Assessment Resources

Created by Louisiana educators to support formative assessment in the classroom, the Department has released a library of discrete items and item sets correlated to the Louisiana Student Standards for Science. These items, along with LEAP 2025 Practice Test Items, may be used in conjunction with guidance from high-quality curriculum as opportunities for students to demonstrate what they have learned. LDOE Formative Assessment Resources can be found on the [K-12 Science Planning](#) webpage.

Unit	EAGLE Discrete Items	EAGLE Item Sets and Practice Test Items
Light and Matter OpenSciEd 6.1	Spectral Signature (6-MS-PS4-2) Telescopes (6-MS-PS4-2)	Items Coming Soon
Contact Forces OpenSciEd 8.1	Satellite (6-MS-PS2-1) Shin Guard Design (6-MS-PS2-1) Soccer Ball (6-MS-PS2-2) Juan’s Skateboard (6-MS-PS2-2) Sports Balls (6-MS-PS3-1)	Bowling (6-MS-PS3-1, 6-MS-PS2-2)
Sound Waves OpenSciEd 8.2	Trials (6-MS-PS4-1) Reverberation (6-MS-PS4-1)	Ocean Waves (6-MS-PS4-1)
Forces at a Distance OpenSciEd 8.3	Electric Motor (6-MS-PS2-3) Gr6 Moons (6-MS-PS2-4) Popcorn (6-MS-PS2-5)	Marbles (6-MS-PS3-1, 6-MS-PS3-2) Changes in the Earth's Magnetic Field (6-MS-PS2-3, 6-MS-PS2-5)
Earth in Space OpenSciEd 8.4	Moons (6-MS-ESS1-1) Midnight_Sun (6-MS-ESS1-1) Spitzer (6-MS-ESS1-2)	Dwarf Planets (6-MS-ESS1-3) Asteroids in the Solar System (6-MS-ESS1-2, 6-MS-ESS1-3)

Unit	EAGLE Discrete Items	EAGLE Item Sets and Practice Test Items
Cells and Systems OpenSciEd 6.6	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)
Disruptions in Ecosystems	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)