

Thunderstorms

High School Earth Science

Unit 6: Structure of the Dynamic Earth System Louisiana Comprehensive Curriculum

Unit Description

In this unit we will learn the ingredients needed to produce a thunderstorm. We will explore the life cycle of thunderstorms and identify products of severe thunderstorms. To conclude we will look at safety measures to apply when encountering hazards produced by severe thunderstorms.

Student Understandings

Students will be able to identify the necessary ingredients for thunderstorm formation. Explain the concept of instability and life cycle of the thunderstorm cell. Discuss the different types of thunderstorms hazards and safety procedures.

Guiding Questions

1. Can students identify ingredients needed for thunderstorms?
2. Can students define and explain the thunderstorm life cycles?
3. Can students identify forces and motions needed for thunderstorms development?
4. Can students recognize hazards of thunderstorms?
5. Can students relay safety procedures for thunderstorm hazards?

Unit 6 Grade-Level Expectations (GLEs)

Earth and Space Science	
8.	Explain why weather only occurs in the tropospheric layer of Earth's atmosphere (ESS-H-A5)
10.	Analyze the mechanisms that drive weather and climate patterns and relate them to the three methods of heat transfer (ESS-H-A6)