

Calallen ISD 2025-2026
Syllabus

Campus: Calallen Middle School

Course and/or Grade Level: Grade 8, Science

Course Description: This is a developmentally appropriate laboratory/ field-oriented course that focuses on earth science but incorporates principles from biology, chemistry and physics. Units on career opportunities and the application of science in daily life are part of the course.

Semester 1: August 13 – December 19, 2025

1st Quarter Topics	2nd Quarter Topics
Properties and Conservation of Matter • Elements, Compounds, and Mixtures • Properties of Water • Properties of Acids and Bases • Conservation of Mass in Chemical Reactions Force and Motion Within Systems • Force, Mass, & Acceleration Calculations • Application of Newton’s Laws	Waves • Characteristics of Waves • Using Electromagnetic Waves Our Universe • Stars • Galaxies Weather and Climate • Influences on Weather and Climate • Global Patterns of Atmospheric Movement • Ocean and Weather Systems Impacts on Global Climate • Natural Events and Climate • Human Activities and Climate

Semester 2: January 5 – May 29, 2026

3rd Quarter Topics	4th Quarter Topics
Stability and Change in Populations and Ecosystems • Impacts on Food Webs • Ecological Succession • Biodiversity in Ecosystems Health and Survival of Organisms • Cell Structure and Function • Cells and Inherited Traits • Variations, Adaptations, and Survival	• Spiral in Concepts from 6th and 7th Grade. • Science STAAR Test (April 17, 2024)

**Minor adjustment to the schedule may be made based on campus schedules and student needs.*