

Calallen ISD 2025-2026
Syllabus - 7th Science

Campus: Calallen Middle School

Course and/or Grade Level: 7th Science

Course Description: Students will build upon concepts taught in 6th grade. There are four major categories that will be covered: chemistry, physics, earth and space, and life sciences.

Semester 1: August 13 – December 19, 2025

1st Quarter Topics	2nd Quarter Topics
Element, Compound, and Solutions • Elements and Compounds • Physical and Chemical Changes • Properties of Solutions • Effects on Dissolution Relationship Between Force and Motion • Average Speed	Relationship Between Force and Motion • Speed and Velocity • Distance-Time Graphs • First Law of Motion Thermal Energy in Systems • Temperature and Thermal Energy • Thermal Energy Transfer

Semester 2: January 5 – May 29, 2026

3rd Quarter Topics	4th Quarter Topics
Our Solar System • Gravity and Motion • Objects in Our Solar System • Characteristics for Life Plate Tectonics • Earth's Changes Over Time • Plate Tectonics and Geologic Events Humans and the Hydrosphere • Effects of Human Activity on Water in Watersheds • Humans and Ocean Systems	Matter and Energy in Ecosystems • Energy Flow in Ecosystems • Matter Cycles in Ecosystems Organisms and Traits • Levels of Organization in Organisms • Plant and Animal Reproduction • Natural and Artificial Selection of Traits Human Body System • Transport and Defense • Structure, Movement, and Control Classification of Organisms • The Taxonomic System • Kingdoms in Ecosystems

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