

6th Grade Science
2023 - 2024 Course Syllabus Term 2

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Objectives: These are the College and Career Readiness Standards students are expected to master.

L.6.3.3 Analyze cause and effect relationships to explore how changes in the physical environment (limiting factors, natural disasters) can lead to population changes within an ecosystem.

L.6.3.4 Investigate organism interactions in a competitive or mutually beneficial relationship (predation, competition, cooperation, or symbiotic relationships).

L.6.3.5 Develop and use food chains, webs, and pyramids to analyze how energy is transferred through an ecosystem from producers (autotrophs) to consumers (heterotrophs, including humans) to decomposers.

L.6.4.1 Compare and contrast modern classification techniques (e.g., analyzing genetic material) to the historical practices used by scientists such as Aristotle and Carolus Linnaeus.

L.6.4.2 Use classification methods to explore the diversity of organisms in kingdoms (animals, plants, fungi, protists, bacteria). Support claims that organisms have shared structural and behavioral characteristics.

L.6.4.3 Analyze and interpret data from observations to describe how fungi obtain energy and respond to stimuli (e.g., bread mold, rotting plant material).

L.6.4.4 Conduct investigations using a microscope or multimedia source to compare the characteristics of protists (euglena, paramecium, amoeba) and the methods they use to obtain energy and move through their environment (e.g., pond water).

L.6.4.5 Engage in scientific arguments to support claims that bacteria (Archaeobacteria and Eubacteria) and viruses can be both helpful and harmful to other organisms and the environment.

Tests and Grades

Grading: A=90-100 B=80-89 C=70-79 D=65-69 F=below 65 I=incomplete

Grading follows the policies of Biloxi Public Schools.

A mid-term progress report and a report card following the end of each term are issued.

Tests: Tests are given upon completion of a unit. If absent, make-up work should be completed within 10 days of returning to school.

Unit 1 Assessment Environmental Interactions the week of October 23rd, 2023

Unit 2 Assessment Classification of Organisms the week of November 6th, 2023

Unit 3 Assessment Environmental Interactions the week of December 4th, 2023

Common Term Assessment (CTA) Given the week of December 11th, 2023. The CTA will be comprehensive in nature, covering all objectives for the 1st and 2nd nine weeks.

Dates of the tests are subject to change

Reteach and Retest: All teachers will participate in re-teaching and re-testing for BUE students. All students who fail a Science test will be retaught and retested. Students will be allowed to **retest on one** major department test, not activities, or the CTA (Common Term Assessment.) per subject area per 9 week period.

Course Requirements: Students are expected to complete all bell ringers and class work/homework assignments. Students are expected to prepare for tests and complete them within **one** class period.

Grading Scheme:

CTA (Common Term Assessment) = 5% Tests = 60% Activity = 35%

Important Dates:	Midterm Progress Reports:	November 7, 2023
	Common Term Assessment (CTA) Window:	December 11 - 15, 2023
	End of Term 2:	December 15, 2023
	Term 2 Report Cards:	January 9, 2024