

CFISD Advanced Placement Biology Course Scope and Sequence (2026–2027)

Course Description

Biology AP is a college preparatory course designed to extend the understanding of biology concepts. Major emphasis is placed on the latest theories and concepts dealing with molecular biology, biochemistry, cellular processes, human genetics, and bioethics. Other topics include plant and animal taxonomy, ecology, and evolution. The course is also heavily lab-oriented to familiarize the student with some of the techniques and processes currently used in scientific research. This course is recommended for students planning to major in any area of science in college. Students who take the course will be prepared for the AP Biology exam.

College Board Advanced Placement Standards: [AP Biology](#)

First Semester (80 Days)

1st Grading Period (Aug. 12 – Oct. 8, 2026)

Unit	Title	Date Range	Days**
Unit 1	Chemistry of Life	Aug. 12 - Aug. 31, 2026	14
Unit 2	Cell Structure and Function	Sept. 1 - Sept. 21, 2026	14
Unit 3	Cellular Energies	Sept. 22 - Oct. 8, 2026	13

2nd Grading Period (Oct. 19 – Dec. 18, 2026)

Unit	Title	Date Range	Days**
Unit 4	Cell Communication and Cell Cycle	Oct. 19 - Nov. 12, 2026	18
Unit 5	Heredity	Nov. 13 - Dec. 11, 2026	17
	Review and Final Exams	Dec. 14 - 18, 2026	5

Second Semester (93 Days)

3rd Grading Period (Jan. 5 – Mar. 11, 2027)

Unit	Title	Date Range	Days**
Unit 6	Gene Expression and Regulation	Jan. 5 - Feb 2, 2027	20
Unit 7	Natural Selection	Feb. 3- Mar. 4, 2027	21

4th Grading Period (Mar. 22 – May 27, 2027)

Unit	Title	Date Range	Days**
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Last updated: May 20, 2026

Unit 8	Ecology	Mar. 5 - April 12, 2027	20
Unit 9	AP Test Review and Test	April 13 - May 3, 2027	14
Unit 10	Post-AP Projects and Research	May 4 - May 20, 2027	13
	Review & Final Exams	May 21 - May 27, 2027	5

**The length of each unit is a specific number of days, but it is understood that there is a range of +/- a day. The purpose of the flexibility is meant to allow teachers the opportunity to plan for the needs of their students and to accommodate re-teaching or review when necessary. If pre-assessment indicates student mastery could be obtained in a fewer number of days, the additional time could be used for extension or carried into the next unit.

Instructional Material(s):

Biology (14th ed.).

Mader, S. S., & Windelspecht, M. (2022).

McGraw Hill.