

CFISD AP Physics C Course Scope and Sequence (2026–2027)

Course Description

AP Physics C is a second-year physics course. In AP Physics C, students will explore the laws that govern the world around them in even more depth and with more emphasis on mathematics. Students will study principles of mechanics, electricity, and magnetism. Considerable emphasis is placed on laboratory investigations. AP Physics C is the equivalent to the first and second courses in an introductory college course sequence in calculus-based physics.

College Board Advanced Placement Standards:

AP Physics C: Mechanics and Electricity & Magnetism

First Semester (81 Days)

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

Unit	Title	Date Range	Days**
Unit 1	Kinematics	Aug. 12 - Aug. 25, 2026	10
Unit 2	Force and Translational Dynamics	Aug. 26 - Sept. 16, 2026	15
Unit 3	Work, Energy, and Power	Sept. 17 - Oct. 5, 2026	13

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

Unit	Title	Date Range	Days**
Unit 4	Linear Momentum	Oct. 6 - Oct. 27, 2026	10
Unit 5	Torque and Rotational Dynamics	Oct. 28 - Nov. 11, 2026	10
Unit 6	Energy and Momentum of Rotating Systems	Nov. 12 - Dec. 2, 2026	10
Unit 7	Oscillations	Dec. 3 - Dec. 14, 2026	8
	Finals Exams: Review & Administration	Dec. 15 – Dec. 18, 2025	4

Second Semester (92 Days)

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

Unit	Title	Date Range	Days**
Unit 8	Electrostatics and Electric Field	Jan. 5 – Jan. 15, 2027	9

Unit 9	Gauss' Law	Jan. 19 - Jan. 28, 2027	8
Unit 10	Electric Potential	Jan. 29 – Feb. 9, 2027	8
Unit 11	Capacitance	Feb. 10 – Feb. 22, 2027	8
Unit 12	Electric Current and DC Circuits	Feb. 23 – Mar. 4, 2027	8

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

Unit	Title	Date Range	Days**
Unit 13	Magnetic Fields and Forces	Mar. 5 – Mar. 31, 2027	12
Unit 14	Induction and Inductance	Apr. 1 – Apr. 16, 2027	12
	AP Exams: Review & Administration	Apr. 19 – May 14, 2027	19
	Finals Exams: Review & Administration	May 17 – May 27, 2027	9

**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):

Physics for Scientists and Engineers. 5th ed.,

Knight, Randall D.

Pearson, 2021.

ISBN: 978-0136956297