CFISD Advanced Placement Physics 2

Scope and Sequence 2024-2025

Course Description:

AP Physics 2 is a second year physics course. It is an algebra-based, introductory college-level physics course equivalent to the second course in an introductory college course sequence in algebra-based physics. Students cultivate their understanding of physics by developing models of physical phenomena through inquiry-based investigations. Students build their understanding of physical models as they explore and solve problems in these topics: Thermodynamics; Electric Force, Field, and Potential; Electric Circuits; Magnetism and Electromagnetism; Geometric Optics; Waves, Sound, and Physical Optics; and Modern Physics.

College Board Advanced Placement Standards: AP Physics 2

Instructional Units	Days*	Start Dates	End Dates
First Semester	81	8/19/2024	12/20/2024
1st Grading Period (8/19/2024 - 10/18/2024)			
Unit 9: Thermodynamics	25	8/19/2024	9/23/2024
2nd Grading Period (10/21/2024 - 12/20/2024)			
Unit 10: Electric Force, Field, and Potential	25	9/24/2024	10/29/2024
Unit 11: Electric Circuits	25	10/30/2024	12/12/2024
Finals Review and Exam	6	12/13/2024	12/20/2024
Second Semester	92	1/7/2025	5/29/2025
3rd Grading Period (01/07/2025 - 3/7/2025)			
Unit 12: Magnetism and Electromagnetism	13	1/7/2025	1/24/2025
Unit 13: Geometric Optics	13	1/27/2025	2/12/2025
4th Grading Period (03/17/2025 - 05/29/2025)			
Unit 14: Waves, Sound, and Physical Optics	20	2/13/2025	3/21/2025
Unit 15: Modern Physics	19	3/24/2025	4/17/2025
AP Review & Exams	19	4/22/2025	5/16/2025
Finals Review and Exam	8	5/19/2025	5/29/2025

** The length of each unit is a specific number of days, but it is understood that there is a range of +/- two days. The purpose of the flexibility is meant to allow teachers the opportunity to plan for the needs of their students and to accomodate 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 Materials:

College Physics: A Stratgic Approach 4th ed, AP ed

Knight et al

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