

Fresno Unified School District - Physics Pacing Guide - December 2005

Quarter 1	Topic	Book References	CA Standard	Weeks	COS Page
Introduction	Unit 1 – Introduction	Chapter 1		As needed	
	Lab Safety			As needed	
	What is Physics?			As needed	
	Scientific Method			As needed	
	Measurements			As needed	
	Scientific Notation			As needed	
Motion and Forces	Linear Motion	Chapter 2	1 a	Weeks 1-7	
	Vectors	Chapter 3	1j* (As needed)	Weeks 1-7	
	Balanced Forces	Chapter 4	1b	Weeks 1-7	

Quarter 2	Topic	Book References	CA Standard	Weeks	COS Page
Motion and Forces	$F = ma$	Chapter 5	1c	Weeks 8-15	
	Newton's 3 rd Law	Chapter 6	1d	Weeks 8-15	
	Universal Gravitation	Chapter 12	1 e	Weeks 8-15	

Quarter 3	Topic	Book References	CA Standard	Weeks	COS Page
Conservation of Momentum and Energy	Momentum	Chapter 7	2 d, e, f, g	Weeks 1-4	
	Energy	Chapter 8	2 a, b, c	Weeks 1-4	
Circular Motion	Circular Motion	Chapter 9	1 g	Weeks 5-6	
	Satellite Motion	Chapter 14.1, 14.2	1 e, f	Weeks 5-6	
Waves	Waves	Chapter 25	4 a, b, c, f	Weeks 7-11	
	Refraction	Chapter 29	4 f	Weeks 7-11	
	Diffraction	Chapter 31	4 f	Weeks 7-11	
	Sound Waves	Chapter 26	4 d, f	Weeks 7-11	
	E-M Waves	Chapter 27	4 e, f	Weeks 7-11	
Electrostatic	Electrostatic	Chapter 32	5 m*	Before E&M in Quarter 4?	
Quarter 4	Topic	Book References	CA Standard		COS Page
Heat and Thermodynamics	Temperature, Internal Energy	Chapter 21	3 c	Week 12	
	Heat	Chapter 22	3 a	Week 12-13	
	First / Second Law of Thermodynamics, Entropy	Chapter 24	3 b, d, e,		
Electric and Magnetic Phenomena	Circuits	Chapter 34	5 a, c	Week 13– 16	
	Ohm’s Law	Chapter 35	5 b, c	Week 13- 16	
	Magnetic Fields	Chapter 36	5 e, f, g	Week 13- 16	
	Electromagnetic Induction	Chapter 37.1	5 h	Week 13-16	
	Plasma	Chapter 17.9	5 i	Week 13- 16	