

2023-2024 Physics Year-At-A-Glance

Unit Title	Student Expectations	Suggested Instructional Days
1st Grading Period: August 22 - October 13 (36 instructional days) 1st Nine Weeks Exam Window: October 10-13		
Unit 1: Background/ Scientific Method/Process , Definition of Science, Theory, Lab Protocol	2A/B/C/D, 2H	8
Unit 2: One-Dimensional Motion , manipulate formulas, use motion detectors	3E, 4A/B	12
Unit 3: Two-Dimensional Motion , graphical vector addition, projectile and circular motion, KE, PE ME, conservation of energy	4C, 3E, 6B/C/D	13
2nd Grading Period: October 17 - December 16 (39 instructional days) First Semester Exam Window: December 12-15		
Unit 4: Forces , graphical vector addition, projectile and circular forces, inertia, acceleration, Free Body diagrams, gravitational and electrical force	4D, 5B, 5C	12
Unit 5: Work, Power, and Energy , work-power-energy theorem, KE, PE, ME, conservation of energy	6A/B/C/D	12
Unit 6: Momentum , conservation of momentum	6C/D	9
3rd Grading Period: January 8 – March 8 (43 instructional days) Third Nine Weeks Exam Window: March 4-8		
Unit 7: Torque, Circular Motion, Universal Law of Gravitation	6B/C/D, 4C/D	11
Unit 8: Heat/ Thermodynamics	6E	9
Unit 9: Wave Characteristics , frequency, wavelength, transverse, longitudinal, EMS	7A/B/C/D	13
Unit 10: Wave Interactions , media, frequency, wavelength, transverse, longitudinal	7A/B/C/D	8
4th Grading Period: March 18 – May 30 (51 instructional days) Second Semester Exam / Final Window: May 28-30 (<i>Seniors test early</i>)		
Unit 11: Light Waves , media, frequency, wavelength, transverse, longitudinal, plane mirror, refraction through a thin convex lens	7A/B/C/D/E	11
Unit 12: Magnetism & Electrostatics	5D	10
Unit 13: Electricity	5A, 5C/D/E/F	14
Unit 14: Nuclear	8A/B/C/D	8

Process standards will be embedded into instruction on a daily basis

Dates are flexible within nine-weeks as long as the covered content is learned prior to 9-wks exams.

[Click here to access state standards for Physics.](#)