

Honors Physics Pacing Guide First Semester

	1 st Quarter	TN Standards	Lesson Focus	Additional Notes
	Week 1	3231.1.1 and 3231.1.2	Math skill needed for physics	Scientific notation, trig function
	Week 2	3231.1.1 and 3231.1.2	Math skill needed for physics	Dimensional analysis
	Week 3	3231.1.1 and 3231.1.2	Math skill needed for physics	Metric conversion, etc.
	Week 4	3231.1.2 and 3231.1.4	Velocity, displacement	Labs
	Week 5	3231.1.2 and 3231.1.4	Kinematics Graphs	Graphing
	Week 6	3231.1.2 and 3231.1.4	Acceleration	
	Week 7	3231.1.11 and 3231.1.12	Projectiles (Horizontally Launched)	
	Week 8	3231.1.11 and 3231.1.12	Projectiles (Launched at angles/height)	Labs
	Week 9	3231.1.11 and 3231.1.12	Projectiles Labs/Activities	
	End of 1st Quarter			
Fall Break				
	2 nd Quarter	TN Standards	Lesson Focus	Additional Notes
	Week 1	3231.1.3, 3231.1.1	Overview Newton's Law	Mass, weight
	Week 2	3231.1.15, 3231.1.8	Equilibrium forces	Normal force, friction
	Week 3	3231.1.7, 3231.1.6	Unbalanced forces (incline planes)	Net forces
	Week 4	3231.1.7, 3231.1.6	Unbalanced forces	Net forces
	Week 5	3231.1.9	Impulse and momentum	
	Week 6	3231.1.10	Conservation of momentum	Labs
	Week 7	3231.1.14	Work, energy, and power	
	Week 8	3231.2.1 3231.2.2	Temperature an heat	
	Week 9	Semester exam	Review and semester exam	
	End of 2nd Quarter			
	End of 1st Semester	Semester Exam		
Winter Break				

Physics and Honors Physics Pacing Guide Second Semester

	3 rd Quarter	TN Standards	Lesson Focus	Additional Notes
	Week 1	3231.3.2, 3231.3.3, 3231.3.4	Mechanical waves and sound waves	Labs
	Week 2	3231.3.5, 3231.3.6	Mechanical waves and sound waves	Wave interactions, speed
	Week 3	3231.4.1	Electromagnetic waves, light and color	Lab
	Week 4	3231.4.1	Electromagnetic waves, light and color	
	Week 5	3231.4.2, 3231.4.3, 3231.4.5	Optics	Concave, convex mirrors
	Week 6	3231.4.2, 3231.4.3, 3231.4.5	Optics	Lenses
	Week 7	3231.1.15, 3231.1.16,	Centripetal force, circular motion	
	Week 8	3231.1.17, 3231.1.18	Newton's Universal Law of Gravitation	
	Week 9	3231.1.17, 3231.1.18	Kepler's Laws of planetary motion	
	End of 3rd Quarter			
	4 th Quarter	TN Standards	Lesson Focus	Additional Notes
	Week 1	3231.1.3	Harmonic motion, Hooke's Law	
	Week 2	3231.1.3	Harmonic motion, Hooke's Law	
	Week 3	3231.6.2, 3231.5.6	Charge and electric force	Method of charging
	Week 4	3231.6.2, 3231.5.6	Electric fields	Electrostatic forces
	Week 5	3231.6.2, 3231.5.6	Electrical potential	Coulomb's law
	Week 6	3231.5.5	Capacitance, direct current	
	Week 7	3231.5.8	Ohm's law	
	Week 8	3231.5.5, 3231.5.8	Series and parallel circuits	
	Week 9		Review and semester exam	
	End of 4th Quarter			
	End of 2nd Semester	Semester Exam		