

Honors Physics

2020-21

	Week	Major Concepts / Topics	Possible Resources
Quarter 1	1-2	Beginning Science skills including Lab safety, review of lab equipment and lab practices.	Bozemanscience.com Khan Academy.com Physicsclassroom.com
	3-9	SC.912.12.1, 2, 3: Kinetics, Newton's Laws	
Quarter 2	Week	Major Concepts / Topics	
	1-4	SC.912.P.12.4, 6, SC.912.P.12.6: Gravity, Kepler's Laws, Angular Momentum	
	5-9	SC.912.P.12.5, P.10.3, 10.6: Impulse, Energy, work, power. Midterm Review.	
Quarter 3	Week	Major Concepts / Topics	
	1-4	SC.912.P.10.1, 10.8, P.8.3, 4, 7, 4, 10.2: Energy Forms & conversions, entropy, Atomic Theory, Atomic Properties.	
	5-9	SC.912.P.10.18, 10.20, 10.21: Waves, electromagnetic Spectrum	
Quarter 4	Week	Major Concepts / Topics	
	1-2	SC.912.P.12.7, 8., 9: Theory of Relativity	
	3-9	SC.P.10.10,-P.10.17, 10.22: Lenses, Electricity. Review for Final Exam.	