

# BERMUDIAN SPRINGS SCHOOL DISTRICT

## (Grades 11-12) PHYSICS I - Year-Long Curriculum Map



	Aug.		Sept.			Oct.			Nov.			Dec.			Jan.			Feb.			Mar.			Apr.			May																					
UNIT/Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40								
<b>MATH CONCEPTS &amp; RIGHT TRIANGLE TRIGONOMETRY</b> (Dimensional Analysis, Factor Label Method, & Significant Figures)																																																
<b>ONE-DIMENSIONAL MOTION</b> (Equilibrium, Acceleration, & Freefall)																																																
<b>VECTOR ADDITION &amp; TWO-DIMENSIONAL MOTION</b> (Head to Tail Method & Component Method for Adding Vectors)																																																
<b>NEWTON'S LAWS OF MOTION</b> (Force, Normal Force, Friction (Static & Kinetic), & Equilibrant Force)																																																
<b>WORK AND ENERGY</b> (Potential & Kinetic Energy, Conservative and Non-conservative Work, Work Energy, & Conservation of Mechanical Energy)																																																
<b>MOMENTUM &amp; COLLISIONS</b> (Impulse-Momentum Thm., Inelastic, Perfectly Inelastic, and Elastic Collisions)																																																
<b>ROTATIONAL KINEMATICS</b> (Rotational Dynamics)																																																
<b>Preview</b>																																																
<b>Reading, Writing, Grammar, Vocabulary</b>																																																