South Eastern School District
Science Curriculum
Physics I - CP
Grade 10-12

Standard	Benchmark	Objectives	Methods	Assessments
3.1	A,B,C,D,E	KINEMATICS	Class discussions Lab Activities	Tests Quizzes
3.2	A,B,C,D	A. Distinguish between a scalar and a vector measurements and perform vector mathematics	Diagrams Models	Activity Sheets Student Discussion
3.4	A,B,C	B. Describe motion in terms of frame of reference, displacement, velocity and acceleration	Graphic organizers Charts Lecture Student research	Lab reports Student Project Homework Worksheets
3.7	A,B			
3.8	A,B	C. Construct and interpret graphs of position, velocity and acceleration versus time	Multimedia presentation Demonstrations	
		D. Problem solve in both one and two dimensions		
		E. Use kinematics equations to solve projectile motion and relative velocity		
3.1	A,B,C,D,E	DYNAMICS		
3.2	A,B,C,D	A. Explain how force affects the motion of an object		
3.4	A,B,C	B. Interpret and construct free-body diagrams		
3.7	A,B	C. State and apply Newton's Laws of Motion		
3.8	A,B	D. Explain the difference between mass and weight		
		E. Solve problems involving forces		