Unit of Study – Continuation of Motion, Motion in two dimensions, projectile motion,					
TEKS #	Knowledge and Skill TEK	Student Expectation	Vocabulary	Tools	Instructional/Assessment Resources
4, 1, 2, 3	Science concepts. The student knows the laws governing motion (To be continued into Third Six Weeks)	a. generate and interpret graphs describing motion including the use of real-time technology b. analyze examples of uniform and accelerated motion including linear, projectile, and circular c. demonstrate the effects of forces on the motion of objects d. develop and interpret a free-body diagram for force analysis e. identify and describe motion relative to different frames of reference	Motion, Force, Velocity, Speed, Acceleration, Projectile, Linear, Centripetal, SI Unit, Gravity, free-fall, Vector, Scalar, Magnitude, Height, Range, Time, Displacement, Distance	Text Lab Manual Pasco Equip. Projectile Launcher	Labs Demos Lecture Quizzes (once/week) Tests (every 2 weeks)
5, 1, 2, 3	Science concepts. The student knows that changes occur within a physical system and recognizes that energy and momentum are conserved	a. interpret evidence for the work-energy theorem b. observe and describe examples of kinetic and potential energy and their transformations c. calculate the mechanical energy and momentum in a physical system such as billiards, cars, and trains d. demonstrate the conservation of energy and momentum	Momentum, work, energy, work-energy theorem, potential energy, kinetic energy, friction, Newtons, mechanical energy,	Text Lab Manual Video Pasco Equip. Billiards Tennis/bowling ball	Labs Demos Lecture Quizzes Tests
