BEAUMONT INDEPENDENT SCHOOL DISTRICT

Physics (Overview)

NINE WEEKS 1	NINE WEEKS 2	NINE WEEKS 3	NINE WEEKS 4
Safety Safety Measurement SI Units Accuracy and Precision Significant Figures Linear Motion Displacement and distance Speed and velocity Acceleration Free-Fall Acceleration Kinematic equations Vectors Vector vs Scalar Vector Addition/Subtraction Resultant Vector Vector Components	Projectile Motion Separating 2 dimensional Motion Horizontally launched objects Objects launched at an angle Newton's Laws of Motion Free Body Diagrams First law Net Force Second Law Third Law Universal Gravitation and Circular Motion Newton's Law of Gravitation Centripetal Force Centripetal Acceleration Circular motion and Gravity	Work and Energy Forms of energy Energy transformations Conservation of Energy Momentum and Collisions Momentum Impulse Conservation of Momentum Elastic Collisions Inelastic collisions Harmonic Motion Restoring Forces Spring-Mass Systems Pendulum Systems	Waves Properties of waves Reflection Refraction Diffraction Superposition Principle Sound Electric Forces and Magnetism Electric Circuits Light and Optics Quantum and Nuclear Physics