UNIT 3: CONCEPT AND TERM LIST

	Variable	Units	Notes or Definition
Applied Force			
Centripetal acceleration			
Centripetal force			
Circumference			
Coefficient of friction			
Distance between two masses			
Frictional Force			
Horizontal Force Component			
Impulse			
Momentum			
Normal Force			
Radius			
Spring constant			
Spring Force			
Universal gravitational constant			
Vertical Force Component			
Weight			F_g=mg use where we know "g" or the force of the Earth's field on object.
Force of Universal Gravitation			$F_g = G\frac{m_1 m_2}{r^2}$ Used when distance is large (ie two planetary objects or distance between Earth and object is large) or between two masses neither of which involves a known "g"

UNIT 3: VOCABULARY			
Direct Relationship	Equation format	Graph	Description
Direct Square Relationship	Equation format	Graph	Description
Inverse Relationship	Equation format	Graph	Description
Inverse square Relationship	Equation format	Graph	Description
Conserved Quantity			
Equilibrant			
Equilibrium			
Force			
Free Body Diagram			
Fundamental force			
Inclined Plane			
Inertia			
Kinetic Friction			
Recoil			
Resultant			
Static friction			
Tangential velocity			