

# LEVEL 1 PHYSICS COURSE OUTLINE

**Chapter 1: Introduction and Mathematical Concepts**

**Chapter 2: Kinematics in One Dimension**

**Chapter 3: Kinematics in Two Dimensions**

**Chapter 4: Forces and Newton's Laws of Motion**

**Chapter 5: Dynamics of Circular Motion**

**Chapter 6: Work and Energy**

**Chapter 7: Impulse and Momentum**

**Chapter 10: Simple Harmonic Motion**

**Chapter 11: Fluids**

**Chapter 16: Waves and Sound**

**Chapter 17: Principle of Linear Superposition**

**Chapter 18: Electric Forces**

**Chapter 20: Electric Circuits**

**Chapter 24: Electromagnetic Waves**

**Chapter 25: The Reflection of Light**

**Chapter 26: The Refraction of Light**

**Chapter 21: Magnetic Force (time permitting)**