

➤ Vectors

- Resultant using a scale diagram
- Resultant using analytical methods

➤ Kinematics

- Graphical analysis of displacement, velocity, and acceleration

➤ Waves

- Types
- Properties
- Wave equation, standing waves

➤ Sound

- Doppler Shift (conceptual only)
- Characteristics

➤ ~~EM Radiation~~

- ~~○ Know order (Energy, Wavelength, Frequency)~~

➤ Refraction

- Index of refraction
- Snell's Law
- Critical angle

➤ Diffraction

➤ Mirrors and Lenses

- Mirror and lens equation
- Magnification Equation
- Lens maker's formula

Required Materials

- Pencils, erasers
- Protractor
- Scientific calculator
- 10cm Ruler with mm divisions

Given Materials

- Formula sheet