



NEFERTARI INTERNATIONAL SCHOOL, CAIRO, EGYPT

Physics for IB

Admission Exam for Grade 11 (DP)

- 1. Measurements and units.**
- 2. Density.**
- 3. Motion, forces, and pressure.**
- 4. Momentum.**
- 5. Energy.**
- 6. Linking Pressure, temperature, and Volume (General Gas Law).**
- 7. Thermal energy (specific heat capacity and latent heat).**
- 8. Waves (Reflection, Refraction, and diffraction of water waves, and linking speed to the frequency and wavelength of a wave).**
- 9. Electromagnetic spectrum and its uses.**
- 10. Thin converging lenses and properties of the image.**
- 11. Electricity (Ohm's Law, series and parallel circuits, and electrical power).**