



GCSE PHYSICS

Science Department

Paper 2H 8463/2H

The format/structure of the papers remains unchanged. For each paper the list shows the major focus of the content of the exam. Each paper may cover some, or all, of the content in the listed topic. Another list shows which required practical activities will be assessed. Topics not assessed either directly or through 'linked' content have also been listed. Assessment of practical skills, maths skills, and Working Scientifically skills will occur throughout all the papers. Topics not explicitly given in any list may appear in low tariff questions or via 'linked' questions. Linked questions are those that bring together knowledge, skills and understanding from across the specification. Students will still be expected to apply their knowledge to unfamiliar contexts

For this paper, the following list shows the major focus of the content of the exam:

- 4.5.1 Forces and their interactions
- 4.5.2 Work done and energy transfer
- 4.5.3 Forces and elasticity
- 4.5.5 Pressure and pressure differences in fluids
- 4.5.6.1 Describing motion along a line
- 4.5.7 Momentum
- 4.6.1 Waves in air, fluids and solids
- 4.8.1 Solar system; stability of orbital motions; satellites
- 4.8.2 Red-shift

Required practical activity that will be assessed:

- Required practical activity 9: investigate the reflection of light by different types of surface and the refraction of light by different substances.

Topics not assessed in this paper:

- 4.5.4 Moments, levers and gears
- 4.6.2 Electromagnetic waves
- 4.6.3 Black body radiation
- 4.7.1 Permanent and induced magnetism, magnetic forces and fields