

Pearson Edexcel Level 3 GCE

May–June 2022 Assessment Window

Syllabus
reference

9PH0

Physics Advance Information

You are not permitted to take this notice into the examination.
This document is valid if downloaded from the [Pearson Qualifications website](https://www.pearson.com/qualifications).

Instructions

- Please ensure that you have read this notice before the examination.

Information

- This notice covers all examined components.
- The format of the assessments remains unchanged.
- The advance information details the focus of the content of the exams in the May–June 2022 assessments.
- There are no restrictions on who can use this notice.
- This notice is meant to help students to focus their revision time.
- Students and teachers can discuss the advance information.
- This document has 4 pages.

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General advice

- In addition to covering the content outlined in the advance information, students and teachers should consider how to:
 - manage their revision of parts of the specification which may be assessed in areas not covered by the advance information
 - manage their revision of other parts of the specification which may provide knowledge that helps with understanding the areas being tested in 2022.
- For specifications with synoptic questions, topics not explicitly given in the advance information may appear, e.g. where students are asked to bring together knowledge, skills and understanding from across the specification.
- For specifications with optional papers/topics/content, students should only refer to the advance information for their intended option.
- For specifications with NEA, advance information does not cover any NEA components.

A link to the Joint Council for Qualifications guidance document on advance information can be found on the Joint Council for Qualifications website or [here](#).

Advance Information

Subject specific section

- This notice does **not** apply to topics worth fewer than 5% of the marks on each question paper.
- For each paper, the topics listed form the major focus of questions. The list is in rank order, with the topics carrying the highest mark allocations at the top of each list. Each exam paper may include some, or all, of the content in the listed topic.
- Topics **not** included on the list below **may** still appear in multiple-choice items, questions with a low tariff, or via synopticity. Students will still be expected to apply their knowledge of these topics in unfamiliar contexts.
- Assessment of practical skills (Appendix 5) and maths skills (Appendix 6 of the specification) will occur across the three papers as usual.

Paper 1 – 9PH0/01

- Topic 8 / PRO Particle interactions (135 – 143)
- Topic 3 / SPC Resistivity and circuit principles (37 – 43)
- Topic 6 / PRO Conservation of momentum and circular motion (97 – 107)
- Topic 2 / HFS Work done, energy and power (17 – 30)
- Topic 2 / HFS Graphical representation of motion (9 – 11)
- Topic 7 / TRA Magnetic fields and Faraday's law (121 – 128)
- Topic 8 / PRO Particle accelerators (132 – 133)

Paper 2 – 9PH0/02

- Topic 11 / STA Radioactive decay (168 – 173)
- Topic 5 / MUS & SPC Photoelectric effect and spectra (91 – 96)
- Topic 9 / STA Heat and Gases (148 – 152)
- Topic 13 / BLD Simple harmonic motion (182 – 185)
- Topic 5 / MUS Superposition of waves in strings (59 – 68)
- Topic 5 / SUR Lenses (75 – 80)
- Topic 10 / STA Doppler Effect (161 – 162)

Paper 3 – 9PH0/03

- Topic 1 / WAP Graphical analysis of data (1 – 8)
- Topic 1 / WAP Experimental error and uncertainty (1 – 8)
- Topic 11 / STA Radioactive decay (168 – 173)
- Topic 5 / MUS Superposition of waves (inc. Core Practical 6) (59 – 68)
- Topic 2 / HFS Conservation of energy and conservation of momentum (21 – 28)
- Topic 3 / DIG The potential divider (42 – 43)
- Topic 3 / SPC Series and parallel circuits (33 – 36)
- Topic 13 / BLD Simple harmonic motion (182 – 185)

END OF ADVANCE INFORMATION