Pearson Edexcel International GCSE (9–1)

May–June 2022 Assessment Window

Syllabus reference **4PH1**

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.

Instructions

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

Information

- This notice covers all examined components.
- The format/structure of the assessments remains unchanged.
- This advance information notice 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.
- It is **not** permitted to take this notice into the exam.
- This document has 5 pages.

There are two option codes for this qualification. Some centres will enter for option "R", depending on their location – if you're unsure if your centre uses option "R" papers you should contact your centre who can confirm and check the Information Manual. Please ensure you consult the advance information relevant to the option code used within your centre. Information related to the "R" option is indicated by an "R" after the paper number, e.g. 4PH1/2PR or Paper 2PR.

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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

- For each paper the list shows the major focus of the content of the exam.
- Topics **not** assessed either directly or synoptically have also been listed.
- The information is presented in specification order and not in question order.
- Numbers in brackets refer to the points as listed in the specification.
- Each exam paper may include some, or all, of the content in the listed topic.
- Assessment of practical skills, maths skills, and Working Scientifically skills will occur throughout all the papers.
- Core practicals that will be assessed have also been listed.
- Topics not explicitly given in any list may appear in low tariff questions or via synoptic or 'linked' questions. Synoptic or '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.

Paper 4PH1/1P

- Topic 1b Movement and position (including practical 1.5) (1.3 – 1.10)
- Topic 2c Energy and voltage in circuits (2.7 – 2.21)
- Topic 3b Properties of waves (3.2 – 3.9)
- Topic 4b Energy transfers (4.2 – 4.10)
- Topic 5b Density and pressure (5.3 – 5.7)
- Topic 7b Radioactivity (7.2 – 7.15)
- Topic 8b Motion in the universe (8.2 – 8.6)

Topics **not assessed** in this paper:

- Topic 2d Electric charge (2.22P – 2.28P)
- Topic 4d Energy resources and electricity generation (4.18P – 4.19P)
- Topic 5c Change of state (5.8P – 5.14P)
- Topic 6b Magnetism (6.2 – 6.7)
- Topic 8c Stellar evolution (8.7 – 8.12P)
- Topic 8d Cosmology (8.13P – 8.18P)

Paper 4PH1/2P

- Topic 1c Forces, movement, shape and momentum (1.11 – 1.33P)
- Topic 3d Light and sound (including core practical 3.27P) (3.14 – 3.29P)
- Topic 5c Changes of state (including practicals 5.11P and 5.14P) (5.8P – 5.14P)
- Topic 6d Electromagnetic induction (6.15 – 6.20P)
- Topic 7c Fission and fusion (7.17 – 7.26)
- Topic 8d Cosmology (8.13P – 8.18P)

Topics **not assessed** in this paper:

- Topic 1b Movement and position (1.3 – 1.10)
- Topic 2d Electric charge (2.22P – 2.28P)
- Topic 3c The electromagnetic spectrum (3.10 – 3.13)
- Topic 4b Energy transfers (4.2 – 4.10)
- Topic 4d Energy resources and electricity generation (4.18P – 4.19P)
- Topic 5b Density and pressure (5.3 – 5.7)
- Topic 5d Ideal gas molecules (5.15 – 5.22)
- Topic 6b Magnetism (6.2 – 6.7)
- Topic 6c Electromagnetism (6.8 – 6.14)
- Topic 8b Motion in the universe (8.2 – 8.6)
- Topic 8c Stellar evolution (8.7 – 8.12P)

Paper 4PH1/1PR

- Topic 1c Forces, movement, shape and momentum (1.11 – 1.24)
- Topic 2b Mains electricity (2.2 – 2.6)
- Topic 2c Energy and voltage in circuits (2.7 – 2.21)
- Topic 3c The electromagnetic spectrum (3.10 – 3.13)
- Topic 3d Light and sound (3.14 – 3.23)
- Topic 5b Density and pressure (including practical 5.4) (5.3 – 5.7)
- Topic 5d Ideal gas molecules (5.15 – 5.22)
- Topic 7b Radioactivity (7.2 – 7.16)
- Topic 8c Stellar evolution (8.7 – 8.10)

Topics **not assessed** in this paper:

- Topic 2d Electric charge (2.22P – 2.28P)
- Topic 4c Work and power (4.11 – 4.17)
- Topic 4d Energy resources and electricity generation (4.18P – 4.19P)
- Topic 5c Change of state (5.8P – 5.14P)
- Topic 7c Fission and fusion (7.17 – 7.26)
- Topic 8d Cosmology (8.13P – 8.18P)

Paper 4PH1/2PR

- Topic 1c Forces, movement, shape and momentum (1.11 – 1.33P)
- Topic 3d Light and sound (including practical 3.25P and practical 3.27P) (3.14 – 3.29P)
- Topic 5c Changes of state (including practical 5.11P) (5.8P – 5.14P)
- Topic 6d Electromagnetic induction (6.15 – 6.20P)
- Topic 8c Stellar evolution (8.7 – 8.12P)

Topics **not assessed** in this paper:

- Topic 1b Movement and position (1.3 – 1.10)
- Topic 2b Mains electricity (2.2 – 2.6)
- Topic 2c Energy and voltage in circuits (2.7 – 2.21)
- Topic 3c The electromagnetic spectrum (3.10 – 3.13)
- Topic 4b Energy transfers (4.2 – 4.10)
- Topic 4d Energy resources and electricity generation (4.18P – 4.19P)
- Topic 5b Density and pressure (5.3 – 5.7)
- Topic 5d Ideal gas molecules (5.15 – 5.22)
- Topic 6b Magnetism (6.2 – 6.7)
- Topic 7b Radioactivity (7.2 – 7.16)
- Topic 7c Fission and fusion (7.17 – 7.26)
- Topic 8d Cosmology (8.13P – 8.18P)

END OF ADVANCE INFORMATION