

Pearson Edexcel International GCSE (9–1)

May–June 2022 Assessment Window

Syllabus
reference

4SS0

Science (Single Award) 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.pearsonqualifications.com).

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.
- 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

- 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 4SS0/1B

- Topic 2e Nutrition (including practical 2.23) (2.18 – 2.29)
- Topic 2g Gas exchange (2.46 – 2.48)
- Topic 2h Transport (2.51 – 2.69)
- Topic 3b Inheritance (3.15 – 3.38)
- Topic 4b Feeding relationships (4.6 – 4.9)
- Topic 5b Genetic modification (genetic engineering) (5.12 – 5.16)

Topics **not assessed** in this paper:

- Topic 1a Characteristics of living organisms (1.1)
- Topic 2a Level of organisation (2.1)
- Topic 2c Biological molecules (2.7 – 2.13)
- Topic 2d Movement of substances into and out of cells (2.15 – 2.16)
- Topic 4c Cycles within ecosystems (4.10)
- Topic 5a Food production (5.1 – 5.6)

Paper 4SS0/1C

- Topic 1b Elements, compounds and mixtures (1.8 – 1.13)
- Topic 1e Chemical formulae and equations (1.25 – 1.26)
- Topic 1f Ionic bonding (1.37 – 1.42)
- Topic 1g Covalent bonding (1.44 – 1.49)
- Topic 2a Group 1 (alkali metals) (2.1 – 2.3)
- Topic 2c Gases in the atmosphere (including practical 2.14) (2.9 – 2.14)
- Topic 3a Energetics (including practical 3.8) (3.1 – 3.8)
- Topic 3b Rates of reaction (including practical 3.15) (3.9 – 3.15)

Topics **not assessed** in this paper:

- Topic 1a States of matter (1.1 – 1.3)
- Topic 4a Organic chemistry Introduction (4.1 – 4.2)
- Topic 4b Crude oil (4.7 – 4.16)
- Topic 4d Alkenes (4.23 – 4.28)

Paper 4SS0/1P

- Topic 1c Forces and movement (1.11 – 1.20)
- Topic 2c Current and voltage in circuits (2.8 – 2.19)
- Topic 3d Light and sound (including practical 3.17) (3.14 – 3.23)
- Topic 4c Work and power (4.11 – 4.17)
- Topic 7c Fission and fusion (7.17 – 7.25)
- Topic 8b Motion in the universe (8.2 – 8.5)

Topics **not assessed** in this paper:

- Topic 2b Mains electricity (2.4 – 2.6)
- Topic 3b Properties of waves (3.3 – 3.9)
- Topic 5b Density and pressure (5.5 – 5.6)
- Topic 6b Magnetism (6.4 – 6.7)
- Topic 6c Electromagnetism (6.8 – 6.14)
- Topic 8c Stellar evolution (8.7 – 8.9)

END OF ADVANCE INFORMATION

