

Blessed George Napier Catholic School and Sixth Form

A Youth Sport Trust Lead School for Leadership, Coaching and Volunteering

Addison Road, Banbury

Oxfordshire

OX16 9DG

Tel: 01295 264216

www.bgn.oxon.sch.uk

Compassion

Respect

Truth

Service

Forgiveness



10 February 2022

Dear Parent / Guardian

We have put together a pack that contains the Advanced Information that we have received from the exam boards for the GCSE examinations this summer.

This is the format that the Boards have sent to us, however, subjects will be working with students over the coming weeks and months to put this information to best effect.

For some subjects (GCSE History, Geography, English Literature, Art and Photography), adjustments had already been made previously, which is why there are no further amendments.

Students continue to work hard with their teachers, as they prepare for their second set of mock examinations. These begin on Thursday 3rd March. Staff will have already been preparing students for these assessments.

Thank you for your continued support.

Yours sincerely

Miss M Joyce
Deputy Headteacher

Headteacher: **Ms Niamh Dolan, BSc (Hons)** headteacher@bgn.oxon.sch.uk

An academy within The Pope Francis Catholic Multi Academy Company which is a company limited by guarantee and an exempt charity registered in England and Wales with company number 9113542 and registered address Addison Road, Banbury, Oxon, OX16 9DG.

"The school's contribution to pupils' personal, spiritual, moral, social and cultural development is exemplary. Pupils go out of their way to do good things. They act as positive role models for younger children." **Ofsted, June 2017**

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

May–June 2022 Assessment Window

Syllabus
reference

1BI0

Biology **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.
- 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.
- This document has 7 pages.

Continue ►

W50840A

©2022 Pearson Education Ltd.

G:1/1/1/



General advice

- In addition to covering the content outline in the Advance Information, students and teachers should consider how to:
 - manage their revision of content 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.
- 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 either 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.
- Each exam paper may include some, or all, of the content in the listed topic.

Paper 1BI0/1F

Content **will be assessed** from the following topics:

- Topic 2 Cells and control – brain and eye (2.10B–2.17B)
- Topic 3 Genetics – reproduction and DNA (3.1B–3.6)
- Topic 4 Natural selection and genetic modification – evolution and selective breeding (4.1B–4.8)
- Topic 5 Health, disease, and the development of medicines – disease (5.1–5.8)
- Topic 5 Health, disease, and the development of medicines – immune system (5.13–5.16)

Core practical activities that **will be assessed**:

- Core Practical 1.10: Investigate the effect of pH on enzyme activity
- Core Practical 1.13B: Investigate the use of chemical reagents to identify starch, reducing sugars, proteins and fats

Topics **not assessed** in this paper:

- Topic 1 Key concepts in biology – microscopy (1.4–1.6)
- Topic 1 Key concepts in biology – osmosis (1.16–1.17)
- Topic 3 Genetics – proteins (3.7B–3.11B)
- Topic 3 Genetics – inheritance (3.17B–3.23)
- Topic 4 Natural selection and genetic modification – genetic engineering (4.9B–4.14)
- Topic 5 Health, disease, and the development of medicines – plant defences (5.9B–5.10B)
- Topic 5 Health, disease, and the development of medicines – microbial cultures (5.17B–5.20)

Paper 1BI0/1H

Content **will be assessed** from the following topics:

- Topic 2 Cells and control – cell cycle (2.1–2.6)
- Topic 2 Cells and control – brain and eye (2.10B–2.17B)
- Topic 3 Genetics – reproduction and DNA (3.1B–3.6)
- Topic 4 Natural selection and genetic modification – inheritance (4.1B–4.6B)
- Topic 4 Natural selection and genetic modification – selective breeding and genetic modification (4.8–4.11)
- Topic 5 Health, disease, and the development of medicines – disease (5.2–5.8)
- Topic 5 Health, disease, and the development of medicines – antibiotics (5.16–5.20)

Core practical activities that **will be assessed**:

- Core Practical 1.6: Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations
- Core Practical 1.10: Investigate the effect of pH on enzyme activity
- Core Practical 5.18B: Investigate the effects of antiseptics, antibiotics or plant extracts on microbial cultures

Topics **not assessed** in this paper:

- Topic 1 Key concepts in biology – transport into and out of cells (1.13B–1.17)
- Topic 3 Genetics – proteins (3.7B–3.10B)
- Topic 3 Genetics – genetic disorders and mutations (3.17B–3.23)
- Topic 4 Natural selection and genetic modification – genetic engineering of plants (4.12B–4.14)
- Topic 5 Health, disease, and the development of medicines – defence against disease (5.9B–5.15B)
- Topic 5 Health, disease, and the development of medicines – monoclonal antibodies (5.21B–5.23)

Paper 1BI0/2F

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in biology – cells and microscopes (1.1–1.6)
- Topic 6 Plant structures and their functions – movement of substances through plants (6.7–6.12)
- Topic 7 Animal coordination, control, and homeostasis – homeostasis (7.9–7.12B)
- Topic 7 Animal coordination, control, and homeostasis – urinary system (7.18B–7.22B)
- Topic 8 Exchange and transport in animals – the heart and blood (8.6–8.9)
- Topic 9 Ecosystems and material cycles – energy transfer (9.7B–9.9)

Core practical activities that **will be assessed**:

- Core Practical 1.6: Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations
- Core Practical 6.5: Investigate the effect of light intensity on the rate of photosynthesis

Topics **not assessed** in this paper:

- Topic 1 Key concepts in biology – enzymes (1.7–1.12)
- Topic 6 Plant structures and their functions – plant hormones (6.14B–6.15B)
- Topic 7 Animal coordination, control, and homeostasis – hormones (7.1–7.7)
- Topic 7 Animal coordination, control, and homeostasis – diabetes (7.13–7.17)
- Topic 8 Exchange and transport in animals – diffusion (8.3–8.5B)
- Topic 8 Exchange and transport in animals – respiration (8.10–8.12)
- Topic 9 Ecosystems and material cycles – communities (9.1–9.6)

Paper 1BI0/2H

Content **will be assessed** from the following topics:

- Topic 6 Plant structures and their functions – transport of substances in plants (6.8–6.12)
- Topic 6 Plant structures and their functions – plant hormones (6.15B–6.16B)
- Topic 7 Animal co-ordination, control, and homeostasis – human hormones (7.1–7.8)
- Topic 7 Animal co-ordination, control, and homeostasis – thermoregulation and diabetes (7.11B–7.16)
- Topic 8 Exchange and transport in animals – gas exchange (8.2–8.5B)
- Topic 8 Exchange and transport in animals – respiration (8.9–8.12)
- Topic 9 Ecosystems and material cycles – energy transfers (9.7B–9.9)
- Topic 9 Ecosystems and material cycles – conservation and material cycles (9.10–9.15)
- Topic 9 Ecosystems and material cycles – decomposition (9.16B–9.19B)

Core practical activities that **will be assessed**:

- Core Practical 8.11: Investigate the rate of respiration in living organisms
- Core Practical 9.5: Investigate the relationship between organisms and their environment using fieldwork techniques, including quadrats and belt transects

Topics **not assessed** in this paper:

- Topic 1 Key concepts in biology – enzymes (1.7–1.12)
- Topic 1 Key concepts in biology – transport into and out of cells (1.14B–1.17)
- Topic 6 Plant structures and their functions – limiting factors on photosynthesis (6.3–6.6)
- Topic 9 Ecosystems and material cycles – communities (9.1–9.3)

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE Business (8132)

Version 1.2

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Business (8132).

Information

- This notice covers all examined components.
- For each paper the list shows the major focus of the content of the exam.
- It is not permitted to take this advance information into the examination.

Advice

- Students and teachers should consider how to focus their revision of other non-listed parts of the specification, for example to review whether other topics may provide knowledge which helps understanding in relation to the areas being tested in 2022.
- Students will still be expected to apply their knowledge to unfamiliar contexts.
- Students will be expected to draw on knowledge, skills and understanding from across the specification when responding to synoptic questions.

Focus of the June 2022 exam

3.1 Business in the real world

	Component 1	Component 2
3.1.1 The purpose and nature of businesses	<ul style="list-style-type: none">• Purpose of business• Basic functions and types of business• Dynamic nature of business	
3.1.2 Business ownership	<ul style="list-style-type: none">• Partnerships• Private limited companies (Ltd)	<ul style="list-style-type: none">• Public limited companies (plc)
3.1.3 Setting business aims and objectives	<ul style="list-style-type: none">• What are business aims and objectives• Purpose of setting objectives	

3.1.6 Business planning	<ul style="list-style-type: none"> Basic financial calculations 	<ul style="list-style-type: none"> The purpose of business planning
3.1.7 Expanding a business	<ul style="list-style-type: none"> Methods of expansion Benefits and drawbacks of expansion Diseconomies of scale 	<ul style="list-style-type: none"> Methods of expansion

3.2 Influences on business

	Component 1	Component 2
3.2.2 Ethical and environmental considerations		<ul style="list-style-type: none"> Ethical considerations Sustainability: <ul style="list-style-type: none"> global warming using scarce resources
3.2.3 The economic climate on businesses		<ul style="list-style-type: none"> Interest rates: <ul style="list-style-type: none"> how fluctuating interest rates can affect businesses that rely on overdrafts and loans for finance how fluctuating interest rates can affect consumer and business spending Consumer spending
3.2.5 Legislation	<ul style="list-style-type: none"> Consumer law 	

3.3 Business operations

	Component 1	Component 2
3.3.1 Production processes	Methods of production: <ul style="list-style-type: none"> flow Efficiency in production: <ul style="list-style-type: none"> lean production 	
3.3.2 The role of procurement	Managing stock: <ul style="list-style-type: none"> Just in time (JIT) Just in case (JIC) 	
3.3.3 The concept of quality	Methods of maintaining consistent quality: Total quality management (TQM)	
3.3.4 Good customer services	Benefits of good customer service, including: <ul style="list-style-type: none"> increase in customer satisfaction customer loyalty increased spend profitability 	

	<p>The ways in which advances in ICT have allowed customer services to develop:</p> <ul style="list-style-type: none"> • websites • e-commerce 	
--	--	--

3.4 Human Resources

	Component 1	Component 2
3.4.1 Organisational structures	<ul style="list-style-type: none"> • Organisational structures • Appropriateness of organisational structures 	
3.4.2 Recruitment and selection of employees	<ul style="list-style-type: none"> • Methods of recruitment and selection of employees 	
3.4.3 Motivating employees	<ul style="list-style-type: none"> • Importance of motivation in the workforce • Methods to motivate staff 	
3.4.4 Training	<ul style="list-style-type: none"> • Importance of training the workforce • Types of training undertaken by businesses 	

3.5 Marketing

	Component 1	Component 2
3.5.3 The purpose and methods of market research		<p>Purpose of market research</p> <p>Methods of market research</p>
3.5.4 The elements of the marketing mix: price, product, promotion and place (4Ps)		<p>Pricing methods, including:</p> <ul style="list-style-type: none"> • loss leader <p>The factors that influence pricing decisions, including:</p> <ul style="list-style-type: none"> • costs • nature of the market • degree of competition • product life cycle <p>Product</p> <p>Product differentiation:</p> <ul style="list-style-type: none"> • unique selling point (USP) • brand image <p>The product life cycle:</p> <ul style="list-style-type: none"> • research and development • introduction • growth • maturity • decline • extension strategies: <ul style="list-style-type: none"> • updating packaging

		<ul style="list-style-type: none"> • adding more or different features • changing target market • advertising • price reduction <p>Product portfolio</p> <p>Promotional methods:</p> <ul style="list-style-type: none"> • PR • sponsorship <p>Reasons for promotion:</p> <ul style="list-style-type: none"> • inform/remind customers about the product • create or increase sales • create or change the image of the product • persuade customers to buy the product <p>Place (the different channels of distribution used by businesses):</p> <ul style="list-style-type: none"> • telesales <ul style="list-style-type: none"> • Integrated nature of the marketing mix
--	--	---

3.6 Finance

3.6.1 Sources of finance		<ul style="list-style-type: none"> • Methods businesses use to raise finance • Appropriateness of sources of finance
3.6.2 Cash flow		<ul style="list-style-type: none"> • Interpreting cash flow forecasts
3.6.3 Financial terms and calculations	<ul style="list-style-type: none"> • Basic financial terms • Basic financial calculations 	<ul style="list-style-type: none"> • Basic financial terms • Average rate of return • Break-even
3.6.4 Analysing the financial performance of a business		<ul style="list-style-type: none"> • Components of financial statements

6 Appendix: quantitative skills in business

6.1 Calculation	<ul style="list-style-type: none"> • averages • revenue, costs and profit 	<ul style="list-style-type: none"> • gross profit margin and net profit margin ratios • average rate of return • cash flow forecasts, including total costs, total revenue and net cash flow
-----------------	---	---

6.2 Interpretation	<ul style="list-style-type: none">• information from graphs and charts	<ul style="list-style-type: none">• information from graphs and charts
--------------------	--	--

END OF ADVANCE INFORMATION

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

May–June 2022 Assessment Window

Syllabus
reference

1CH0

Chemistry **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.co.uk).

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.
- This document has 7 pages.

Continue ►

W50844A

©2022 Pearson Education Ltd.

G:1/1/1/1/1



W 5 0 8 4 4 A



Pearson

General advice

- In addition to covering the content outline in the Advance Information, students and teachers should consider how to:
 - manage their revision of content 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.
- 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 either 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.
- Each exam paper may include some, or all, of the content in the listed topic.

Paper 1CH0/1F

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in chemistry – Types of substance (1.32–1.42)
- Topic 1 Key concepts in chemistry – Calculations involving masses (1.43–1.49)
- Topic 2 States of matter and mixtures – States of matter (2.1–2.4)
- Topic 2 States of matter and mixtures – Methods of separating and purifying substances (2.5–2.12)
- Topic 3 Chemical changes – Acids and bases (3.1–3.14)
- Topic 5 Separate chemistry 1 – Transition metals, alloys and corrosion (5.1C–5.7C)
- Topic 5 Separate chemistry 1 – Quantitative analysis (5.9C–5.14C)
- Topic 5 Separate chemistry 1 – Dynamic Equilibria (5.19C–5.24C)

Core practical activities that **will be assessed**:

- Core Practical 3.6 Investigate the change in pH on adding powdered calcium hydroxide or calcium oxide to a fixed volume of dilute hydrochloric acid
- Core Practical 5.9C Carry out an accurate acid-alkali titration, using burette, pipette and a suitable indicator

Topics **not assessed** in this paper:

- Topic 4 Extracting metals and equilibria – Obtaining and using metals (4.1–4.12)
- Topic 4 Extracting metals and equilibria – Reversible reactions and equilibria (4.13–4.16)
- Topic 5 Separate chemistry 1 – Chemical cells and fuel cells (5.25C–5.27C)

Paper 1CH0/1H

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in chemistry – Types of substance (1.32–1.42)
- Topic 1 Key concepts in chemistry – Calculations involving masses (1.43–1.53)
- Topic 3 Chemical changes – Acids and bases (3.1–3.14)
- Topic 3 Chemical changes – Electrolytic processes (3.22–3.31)
- Topic 4 Extracting metals and equilibria – Obtaining and using metals (4.1–4.12)
- Topic 5 Separate chemistry 1 – Quantitative analysis (5.8C–5.18C)
- Topic 5 Separate chemistry 1 – Dynamic equilibrium (5.19C–5.24C)

Core practical activities that **will be assessed**:

- Core Practical 3.6 Investigate the change in pH on adding powdered calcium hydroxide or calcium oxide to a fixed volume of dilute hydrochloric acid
- Core Practical 3.31 Investigate the electrolysis of copper sulfate solution with inert electrodes and copper electrodes
- Core Practical 5.9C Carry out an accurate acid-alkali titration, using burette, pipette and a suitable indicator

Topics **not assessed** in this paper:

- Topic 1 Key concepts in chemistry – Atomic structure (1.1–1.12)
- Topic 1 Key concepts in chemistry – The periodic table (1.13–1.20)
- Topic 2 States of matter and mixtures – States of matter (2.1–2.4)
- Topic 2 States of matter and mixtures – Methods of separating and purifying substances (2.5–2.12)
- Topic 4 Extracting metals and equilibria – Reversible reactions and equilibria (4.13–4.17)

Paper 1CH0/2F

Content **will be assessed** from the following topics:

- Topic 6 Groups in the periodic table – Group 1 (6.1–6.5)
- Topic 6 Groups in the periodic table – Group 7 (6.6–6.13)
- Topic 7 Rates of reaction and energy changes – Rates of reaction (7.1–7.8)
- Topic 7 Rates of reaction and energy changes – Heat energy changes in chemical reactions (7.9–7.16)
- Topic 8 Fuels and Earth science – Fuels (8.1–8.17)
- Topic 8 Earth and atmospheric science (8.18–8.26)
- Topic 9 Separate chemistry 2 – Qualitative analysis: tests for ions (9.1C–9.9C)
- Topic 9 Separate chemistry 2 – Hydrocarbons (9.10C–9.16C)
- Topic 9 Separate chemistry 2 – Polymers (9.17C–9.25C)
- Topic 9 Separate chemistry 2 – Bulk and surface properties of matter including nanoparticles (9.35C–9.39C)

Core practical activities that **will be assessed**:

- Core Practical 7.1 Investigate the effects of changing the conditions of a reaction on the rates of chemical reaction
- Core Practical 9.6C Identify the ions in unknown salts

Topics **not assessed** in this paper:

- Topic 1 Key concepts in chemistry – Atomic structure (1.1–1.12)
- Topic 1 Key concepts in chemistry – Covalent bonding (1.28–1.31)
- Topic 1 Key concepts in chemistry – Types of substance (1.32–1.42)
- Topic 9 Separate chemistry 2 – Alcohols and carboxylic acids (9.26C–9.34C)

Paper 1CH0/2H

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in chemistry – Calculations involving masses (1.43–1.53)
- Topic 6 Groups in the periodic table – Group 7 (6.6–6.13)
- Topic 7 Rates of reaction and energy changes – Rates of reaction (7.1–7.8)
- Topic 7 Rates of reaction and energy changes – Heat energy changes in chemical reactions (7.9–7.16)
- Topic 8 Fuels and Earth science – Fuels (8.1–8.17)
- Topic 8 Fuels and Earth science – Earth and atmospheric science (8.18–8.26)
- Topic 9 Separate chemistry 2 – Qualitative analysis: tests for ions (9.1C–9.9C)
- Topic 9 Separate chemistry 2 – Bulk and surface properties of matter including nanoparticles (9.35C–9.39C)

Core practical activities that **will be assessed**:

- Core Practical 7.1 Investigate the effects of changing the conditions of a reaction on the rates of chemical reaction
- Core Practical 9.28C Investigate the temperature rise produced in a known mass of water by the combustion of the alcohols ethanol, propanol, butanol and pentanol

Topics **not assessed** in this paper:

- Topic 1 Key concepts in chemistry – Atomic structure (1.1–1.12)
- Topic 1 Key concepts in chemistry – Ionic bonding (1.21–1.27)
- Topic 1 Key concepts in chemistry – Covalent bonding (1.28–1.31)

END OF ADVANCE INFORMATION

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

May–June 2022 Assessment Window

Syllabus
reference

1SC0

Combined Science 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 9 pages.

Continue ►

W73065A

©2022 Pearson Education Ltd.

G:1/1/1/1/1




Pearson

General advice

- In addition to covering the content outline in the advance information, students and teachers should consider how to:
 - manage their revision of content 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.
- 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 either 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.
- Each exam paper may include some, or all, of the content in the listed topic.

Paper 1SC0/1BF

Content **will be assessed** from the following topics:

- Topic 2 Cells and control – cell cycle (2.1–2.8)
- Topic 3 Genetics – reproduction and DNA (3.3–3.6)
- Topic 4 Natural selection and genetic modification – evolution and selective breeding (4.2–4.5)
- Topic 5 Health, disease, and the development of medicines – disease (5.1–5.8)
- Topic 5 Health, disease, and the development of medicines – immune system (5.13–5.16)

Core practical activities that **will be assessed**:

- Core Practical 1.10 Investigate the effect of pH on enzyme activity.

Topics **not assessed** in this paper:

- Topic 1 Key concepts in biology – microscopy (1.4–1.6)
- Topic 1 Key concepts in biology – osmosis (1.16–1.17)
- Topic 3 Genetics – inheritance (3.19–3.23)
- Topic 4 Natural selection and genetic modification – genetic engineering (4.10–4.14)
- Topic 5 Health, disease, and the development of medicines – new medicines (5.20)

Paper 1SC0/1BH

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in biology – enzymes (1.7–1.12)
- Topic 2 Cells and control – cell cycle (2.1–2.6)
- Topic 3 Genetics – reproduction and DNA (3.3–3.6)
- Topic 4 Natural selection and genetic modification – inheritance (4.2–4.5)
- Topic 4 Natural selection and genetic modification – genetic modification (4.8–4.11)
- Topic 5 Health, disease, and the development of medicines – disease (5.2–5.8)

Core practical activities that **will be assessed**:

- Core Practical 1.6 Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations.
- Core Practical 1.10 Investigate the effect of pH on enzyme activity.

Topics **not assessed** in this paper:

- Topic 1 Key concepts in Biology – transport into and out of cells (1.15–1.17)
- Topic 3 Genetics – variation (3.19–3.23)
- Topic 5 Health, disease, and the development of medicines – defence against disease (5.12–5.14)

Paper 1SC0/1CF

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in chemistry – Types of substance (1.32–1.42)
- Topic 1 Key concepts in chemistry – Calculations involving masses (1.43–1.49)
- Topic 2 States of matter and mixtures – States of matter (2.1–2.4)
- Topic 2 States of matter and mixtures – Methods of separating and purifying substances (2.5–2.12)
- Topic 3 Chemical changes – Acids and bases (3.1–3.14)
- Topic 3 Chemical changes – Acids and making salts (3.15–3.21)

Core practical activities that **will be assessed**:

- Core Practical 3.6 Investigate the change in pH on adding powdered calcium hydroxide or calcium oxide to a fixed volume of dilute hydrochloric acid

Topics **not assessed** in this paper:

- Topic 4 Extracting metals and equilibria – Obtaining and using metals (4.1–4.12)
- Topic 4 Extracting metals and equilibria – Reversible reactions and equilibria (4.13–4.16)

Paper 1SC0/1CH

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in chemistry – Types of substance (1.32–1.42)
- Topic 1 Key concepts in chemistry – Calculations involving masses (1.43–1.53)
- Topic 3 Chemical changes – Acids and bases (3.1–3.14)
- Topic 3 Chemical changes – Electrolytic processes (3.22–3.31)
- Topic 4 Extracting metals and equilibria – Obtaining and using metals (4.1–4.12)

Core practical activities that **will be assessed**:

- Core Practical 3.6 Investigate the change in pH on adding powdered calcium hydroxide or calcium oxide to a fixed volume of dilute hydrochloric acid
- Core Practical 3.31 Investigate the electrolysis of copper sulfate solution with inert electrodes and copper electrodes

Topics **not assessed** in this paper:

- Topic 1 Key concepts in chemistry – Atomic structure (1.1–1.12)
- Topic 1 Key concepts in chemistry – The periodic table (1.13–1.20)
- Topic 2 States of matter and mixtures – States of matter (2.1–2.4)
- Topic 2 States of matter and mixtures – Methods of separating and purifying substances (2.5–2.12)
- Topic 4 Extracting metals and equilibria – Reversible reactions and equilibria (4.13–4.17)

Paper 1SC0/1PF

Content **will be assessed** from the following topics:

- Topic 2 Motion and forces – Velocity and acceleration (2.1–2.13)
- Topic 2 Motion and forces – Reaction times and stopping distances (2.27–2.31)
- Topic 3 Conservation of energy – Conservation of energy and energy transfers and efficiency (3.1–3.11)
- Topic 4 Waves – Waves and their effects (4.1–4.11)
- Topic 5 Light and the electromagnetic spectrum – Electromagnetic waves (5.7–5.11)
- Topic 5 Light and the electromagnetic spectrum – Harmful effects and uses of electromagnetic radiation (5.20–5.24)
- Topic 6 Radioactivity – Activity of radioactive sources, half-life, dangers and applications (6.23–6.32)

Core practical activities that **will be assessed**:

- Core Practical 4.17 Investigate the suitability of equipment to measure the speed, frequency and wavelength of a wave in a solid and a fluid

Topics **not assessed** in this paper:

- Topic 2 Motion and forces – Newton's laws (2.14–2.23)
- Topic 3 Conservation of energy – Energy sources and patterns in usage of energy (3.13–3.14)
- Topic 5 Light and the electromagnetic spectrum – Emission and absorption of thermal radiation (5.12–5.14)

Paper 1SC0/1PH

Content **will be assessed** from the following topics:

- Topic 2 Motion and forces – Velocity and acceleration (2.1–2.13)
- Topic 2 Motion and forces – Newton's 3rd law and momentum (2.20–2.26)
- Topic 3 Conservation of energy – energy transfers and efficiency (3.1–3.12)
- Topic 6 Radioactivity – Emission of ionising radiations (6.10–6.22)

Core practical activities that **will be assessed**:

- No core practicals are assessed in this paper

Topics **not assessed** in this paper:

- Topic 2 Motion and forces – Newton's 1st law and 2nd law (2.14–2.19)
- Topic 3 Conservation of energy – Energy sources and patterns in usage of energy (3.13–3.14)
- Topic 5 Light and the electromagnetic spectrum – Emission and absorption of thermal radiation (5.12–5.14)

Paper 1SC0/2BF

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in biology – cells and microscopes (1.1–1.6)
- Topic 6 Plant structures and their functions – photosynthesis (6.1–6.5)
- Topic 6 Plant structures and their functions – movement of substances through plants (6.7–6.12)
- Topic 8 Exchange and transport in animals – the heart and blood (8.6–8.9)

Core practical activities that **will be assessed**:

- Core Practical 1.6 Investigate biological specimens using microscopes, including magnification calculations and labelled scientific drawings from observations.
- Core Practical 6.5 Investigate the effect of light intensity on the rate of photosynthesis.

Topics **not assessed** in this paper:

- Topic 1 Key concepts in biology – enzymes (1.7–1.12)
- Topic 7 Animal coordination, control, and homeostasis – hormones (7.1–7.7)
- Topic 7 Animal coordination, control, and homeostasis – diabetes (7.13–7.17)
- Topic 8 Exchange and transport in animals – respiration (8.10–8.12)
- Topic 9 Ecosystems and material cycles – communities (9.1–9.6)

Paper 1SC0/2BH

Content **will be assessed** from the following topics:

- Topic 7 Animal co-ordination, control, and homeostasis – human hormones (7.1–7.8)
- Topic 8 Exchange and transport in animals – respiration (8.9–8.12)
- Topic 9 Ecosystems and material cycles – organisms and the environment (9.4–9.5)
- Topic 9 Ecosystems and material cycles – conservation and material cycles (9.10–9.15)

Core practical activities that **will be assessed**:

- Core Practical 8.11 Investigate the rate of respiration in living organisms.
- Core Practical 9.5 Investigate the relationship between organisms and their environment using field-work techniques, including quadrats and belt transects.

Topics **not assessed** in this paper:

- Topic 1 Key concepts in biology – enzymes (1.7–1.12)
- Topic 1 Key concepts in biology – transport into and out of cells (1.15–1.17)
- Topic 6 Plant structures and their functions – limiting factors on photosynthesis (6.3–6.6)
- Topic 9 Ecosystems and material cycles – communities (9.1–9.3)

Paper 1SC0/2CF

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in chemistry – Calculations involving masses (1.43–1.49)
- Topic 6 Groups in the periodic table – Group 1 (6.1–6.5)
- Topic 6 Groups in the periodic table – Group 7 (6.6–6.13)
- Topic 6 Groups in the periodic table – Group 0 (6.14–6.16)
- Topic 7 Rates of reaction and energy changes – Rates of reaction (7.1–7.8)
- Topic 7 Rates of reaction and energy changes – Heat energy changes in chemical reactions (7.9–7.16)
- Topic 8 Fuels and Earth science – Fuels (8.1–8.17)

Core practical activities that **will be assessed**:

- Core Practical 7.1 Investigate the effects of changing the conditions of a reaction on the rates of chemical reaction

Topics **not assessed** in this paper:

- Topic 1 Key concepts in chemistry – Atomic structure (1.1–1.12)
- Topic 1 Key concepts in chemistry – Covalent bonding (1.28–1.31)
- Topic 1 Key concepts in chemistry – Types of substance (1.32–1.42)

Paper 1SC0/2CH

Content **will be assessed** from the following topics:

- Topic 1 Key concepts in chemistry – Calculations involving masses (1.43–1.53)
- Topic 6 Groups in the periodic table – Group 7 (6.6–6.13)
- Topic 6 Groups in the periodic table – Group 0 (6.14–6.16)
- Topic 7 Rates of reaction and energy changes – Rates of reaction (7.1–7.8)
- Topic 7 Rates of reaction and energy changes – Heat energy changes in chemical reactions (7.9–7.16)
- Topic 8 Fuels and Earth science – Fuels (8.1–8.17)

Core practical activities that **will be assessed**:

- Core Practical 7.1 Investigate the effects of changing the conditions of a reaction on the rates of chemical reaction

Topics **not assessed** in this paper:

- Topic 1 Key concepts in chemistry – Atomic structure (1.1–1.12)
- Topic 1 Key concepts in chemistry – Ionic bonding (1.21–1.27)
- Topic 1 Key concepts in chemistry – Covalent bonding (1.28–1.31)
- Topic 1 Key concepts in chemistry – Types of substance (1.32–1.42)

Paper 1SC0/2PF

Content **will be assessed** from the following topics:

- Topic 8 Energy – forces doing work (8.1–8.15)
- Topic 10 Electricity and circuits – Electrical circuit principles (10.1–10.17)
- Topic 10 Electricity and circuits – Electrical energy and power (10.22–10.31)
- Topic 10 Electricity and circuits – a.c. and d.c. used in practice (10.32–10.42)
- Topic 12 Magnetism and the motor effect – Magnets and magnetic fields (12.1–12.6)

Core practical activities that **will be assessed**:

- Core Practical 14.3 Investigate the densities of solids and liquids
- Core Practical 14.11 Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature time graph for melting ice.

Topics **not assessed** in this paper:

- Topic 9 Forces and their effects – describing and representing forces (9.1–9.2)
- Topic 10 Electricity and circuits – Electrical devices (10.18–10.21)
- Topic 12 Magnetism and the motor effect – Electromagnetism (12.7–12.9)
- Topic 13 Electromagnetic induction – Transformers (13.8–13.10)
- Topic 14 Particle model – Pressure of a gas (14.12–14.15)
- Topic 15 Forces and matter – Elasticity (15.1–15.6)

Paper 1SC0/2PH

Content **will be assessed** from the following topics:

- Topic 8 Energy – forces doing work (8.1–8.15)
- Topic 10 Electricity and circuits – Electrical circuit principles (10.1–10.17)
- Topic 12 Magnetism and the motor effect – Magnets and magnetic fields (12.1–12.6)
- Topic 14 Particle Model – Properties of solids, liquid and gases (14.1–14.5)

Core practical activities that **will be assessed**:

- Core Practical 10.17 Construct electrical circuits to A: Investigate the relationship between potential difference, current and resistance for a resistor and a lamp
B: test series and parallel circuits using resistors and filament lamps
- Core Practical 14.3 Investigate the densities of solids and liquids
- Core Practical 14.11 Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice.

Topics **not assessed** in this paper:

- Topic 9 Forces and their effects – Describing and representing forces (9.1–9.5)
- Topic 10 Electricity and circuits – a.c. and d.c. used in practice (10.32–10.42)
- Topic 13 Electromagnetic induction – Transformers (13.8–13.10)
- Topic 15 Forces and matter – Elasticity (15.1–15.6)

END OF ADVANCE INFORMATION

Advance Information for Summer 2022

GCSE (9–1)

Computer Science

J277

We have produced this advance information to help support all teachers and students with revision for the Summer 2022 exams.

Information

- This notice covers component J277/01 Computer Systems.
- There is no advance information for J277/02 Computational Thinking and Algorithms.
- There are no restrictions on who can use this notice.
- It is advised that teaching and learning should still cover the entire subject content in the specification.
- The information is presented in specification order and not in question order.
- Do **not** take this notice into the exam.
- This document has **3** pages.

Advice

- This notice is meant to help students to focus their revision time
- You should consider how you revise other parts of the specification, for example to review whether other topics may provide knowledge which helps your understanding in relation to the areas being tested in 2022.
- Students and teachers can discuss this notice.
- Students can ask their teachers for advice.

If you have any queries about this notice, please call our Customer Support Centre on **01223 553998** or email general.qualifications@ocr.org.uk.

J277/01 Computer Systems

Specification Reference	Name of topic	Sub part of topic directly assessed
1.1 Systems architecture	1.1.1 Architecture of the CPU	<p>The purpose of the CPU</p> <p>Common CPU components and their features.</p> <p>Von Neumann architecture</p>
1.2 Memory and storage	1.2.1 Primary storage (Memory)	<i>All subtopics to be covered</i>
	1.2.2 Secondary storage	<i>All subtopics to be covered</i>
	1.2.3 Units	The units of data storage
	1.2.4 Data Storage	<p>Numbers.</p> <p>Characters.</p> <p>Images.</p> <p>Sound.</p>
	1.2.5 Compression	<i>All subtopics to be covered</i>
1.3 Computer networks, connections and protocols	1.3.1 Networks and topologies	<p>Factors that affect the performance of networks.</p> <p>The hardware needed to connect stand-alone computers into a Local Area Network.</p> <p>The Internet as a worldwide collection of computer networks.</p>
	1.3.2 Wired and wireless networks, protocols and layers	<p>Modes of connection.</p> <p>Encryption.</p> <p>IP addressing and MAC addressing.</p> <p>Standards.</p> <p>Common protocols.</p>
1.4 Network security	1.4.2 Identifying and preventing vulnerabilities	Common prevention methods.
1.6 Ethical, legal, cultural and environmental impacts of digital technology	1.6.1 Ethical, legal, cultural and environmental impact	<p>Impacts of digital technology on wider society.</p> <p>Legislation relevant to Computer Science.</p>

END OF ADVANCE INFORMATION



Copyright Information

OCR is committed to seeking permission to reproduce all third-party content that it uses in its assessment materials. OCR has attempted to identify and contact all copyright holders whose work is used in this paper. To avoid the issue of disclosure of answer-related information to candidates, all copyright acknowledgements are reproduced in the OCR Copyright Acknowledgements Booklet. This is produced for each series of examinations and is freely available to download from our public website (www.ocr.org.uk) after the live examination series.

If OCR has unwittingly failed to correctly acknowledge or clear any third-party content in this assessment material, OCR will be happy to correct its mistake at the earliest possible opportunity.

For queries or further information please contact The OCR Copyright Team, The Triangle Building, Shaftesbury Road, Cambridge CB2 8EA.

OCR is part of Cambridge University Press & Assessment, which is itself a department of the University of Cambridge.

Advance information June 2022

GCSE Design and Technology (8552)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Design and Technology (8552).

Information

- This advance information covers the examined component.
- The list shows the major focus of primarily the higher tariff questions.
- Topics not explicitly given in the list may appear in lower tariff questions or via synoptic questions. Synoptic questions are those that bring together knowledge, skills and understanding from across the specification.
- It is not permitted to take this advance information into the exam.

Advice

- Students and teachers should consider how to focus their revision of other non-listed parts of the specification.
- Students will be credited for using any relevant knowledge from any non-listed topic areas when answering questions.
- Students will still be expected to apply their knowledge to unfamiliar contexts.
- Students will be expected to draw on knowledge, skills and understanding from across the specification when responding to synoptic questions.

Focus of the June 2022 exam

3.2.1 Selection of materials or components
3.2.3 Ecological and social footprint
3.2.8 Specialist techniques and processes
3.3.2 Environmental, social and economic challenge
3.3.5 Communication of design ideas
3.3.6 Prototype development
3.3.9 Material management

END OF ADVANCE INFORMATION

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

May–June 2022 Assessment Window

Syllabus
reference

1DR0

Drama **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.co.uk).

Instructions

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

Information

- This notice covers examined Component 3 (1DR0 3A and 1DR0 3B).
- This notice does not cover non-examined assessment (NEA) 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 7 pages.

Continue ►

W54680A

©2022 Pearson Education Ltd.

G:1/1/1/1/1/



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 which helps with understanding the areas being tested in 2022.
- For specifications with synoptic assessments, 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

- We are providing advance information for Section A of the Component 3 exam.
- Due to the nature of the question in Section B: Live Theatre Evaluation, advance information is not being given for this section.
- Students study a set text for Section A of the Component 3 examination. Students studying a text from List A should refer to the 1DR0 3A section below and those studying a text from List B should refer to 1DR0 3B.
- An extended extract is given below for each set text. The extract featured in the exam will be taken from this extended extract of the text.
- The format of the exam paper and the length of the extracts given in the exam will remain consistent in length with previous exam series.
- Students may focus their revision on these specific extracts, but it is still important to understand these in the context of the whole text to both answer questions in the assessment and support their progression.
- Page numbers refer to the most up to date prescribed edition of the text, details of which can be found in the specification (Issue 4).

Paper 1DR0/3A – List A texts

Text: *A Doll's House*, Henrik Ibsen (adapted by Tanika Gupta)

This play was first performed in 1879 at the Royal Theatre, Copenhagen. This adaptation had its first professional performance at the Lyric Theatre, Hammersmith in September 2019.

This extended extract is taken from Act 2, Scene 2.

STARTS: p.53 **Dr Rank** *walks around surveying the plants.*

ENDS: p.64 **Das** exits.

Text: *An Inspector Calls*, J B Priestley

This play had its first performance at the Kemerny Theatre in Moscow in 1945. The first performance in Britain was at the New Theatre, London in October 1946.

This extended extract is taken from Act 2.

STARTS: p.38 **MRS B.** I don't think we want any further details of this disgusting affair –

ENDS: p.48 **SHEILA** *(with sudden alarm)* Mother – stop – stop!

Text: *Antigone*, Sophocles (adapted by Roy Williams)

This play was first performed around 440 BC in the Theatre of Dionysus. This adaptation had its first professional performance at the Derby Theatre in September 2014.

This extended extract is taken from Scene Nine.

STARTS: p.58 **Creo** We deal or what?

ENDS: p.68 **Creo** *goes, followed by his* **Soldiers.**

Text: *Government Inspector*, Nikolai Gogol (adapted by David Harrower)

This play had its first performance at the Aleksandrinsky Theatre, St Petersburg, in April 1836.

This extended extract is taken from Act Two.

STARTS: p.35 **Khlestakov** Listen, I know my beef –

ENDS: p.44 **Khlestakov** No no no, I'm not going to prison! I'm not going!

Text: *The Crucible*, Arthur Miller

This play had its first performance at the Martin Beck Theatre on Broadway in January 1953.

This extended extract is taken from Act Two.

STARTS: p.57 **Elizabeth** (*delicately*) John – grant me this.

ENDS: p.66 **Giles Corey** *appears in doorway.*

Text: *Twelfth Night*, William Shakespeare

This play had its first performance at Middle Temple Hall, London, in February 1602.

This extended extract is taken from Act 1.

STARTS: p.3 *Enter DUKE, CURIO, lords; musicians attending.*

ENDS: p.21 VIOLA (*Aside*) Yet, a barful strife!
Whoe'er I woo, myself would be his wife.

Paper 1DR0/3B – List B texts

Text: *100*, Diene Petterle, Neil Monaghan and Christopher Heimann

This play had its first performance at the Edinburgh Festival Fringe in August 2002. The first professional performance took place at the Soho Theatre, London, in February 2003.

This extended extract is taken from the final section of the play.

STARTS: p.51 **Ketu** The earth is round like an orange...
ENDS: p.63 **ALEX** *looks around himself.*

Text: *1984*, George Orwell, adapted by Robert Icke and Duncan Macmillan

This play had its first performance at Nottingham Playhouse in September 2013.

This extended extract is taken from the middle section of the play.

STARTS: p.35 **WINSTON** You're hurt?
ENDS: p.45 **JULIA** He was unpersoned when I was eight.

Text: *Blue Stockings*, Jessica Swale

This play had its first professional performance at Shakespeare's Globe, London, in August 2013.

This extended extract is taken from Act ONE, Scenes ELEVEN and TWELVE.

STARTS: p.57 **BILLY** Excuse me.
ENDS: p.66 **MR BANKS** *leaves. The MEN stand in silence.*

Text: *DNA*, Dennis Kelly

This play had its first performance at the Cottesloe Theatre of the National Theatre, London, in February 2008.

This extended extract is taken from the first and second sections of the play.

STARTS: p.63 **Phil** *puts his Coke carefully on the ground.*
ENDS: p.74 **Danny** How am I gonna get references?

Text: *The Free9*, In-Sook Chappell

This play had its first performance at the Dorfmann Theatre of the National Theatre, London, in June 2018.

This extended extract is taken from Scenes One to Four of the play.

STARTS: p.3 *North Korea. Near future. A television studio.*

ENDS: p.13 **Rat** It doesn't matter, we'll be free.

Text: *Gone Too Far!*, Bola Agbaje

This play was first performed in February 2007 at the Royal Court, Jerwood Theatre Upstairs, London.

This extended extract is taken from Scenes Eight to Ten.

STARTS: p.67 **Armani** You gonna sort that Yemi out den?

ENDS: p.76 **Yemi** Give me my tings and I'll go.

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE English Language (8700)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE English Language (8700).

Information

- This advance information covers Paper 2 only.
- There is no advance information for Paper 1 due to the nature of the source and questions in this paper.
- For Paper 2 the list shows the major focus of the content of the exam.
- Assessment of reading and writing skills will occur throughout the papers.
- It is not permitted to take this notice into the examination.

Focus of the June 2022 exam

- The focus of the June 2022 question papers will be as follows:

Paper 2: Writers' viewpoints and perspectives

Section A Reading	
Source A	Source B
21st century Autobiographical writing	19th century Essay

Section B Writing
Question 5
Article

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE French (8658)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE French (8658).

Information

- This advance information covers Paper 4: Writing only.
- This advance information covers all the questions except Writing translation questions.
- There is no advance information for Paper 1: Listening, Paper 2: Speaking and Paper 3: Reading, due to the nature of the questions in these papers.
- It is not permitted to take this notice into the exam.

Advice

- Students will be credited for using any relevant knowledge from any other non-listed topic areas when answering questions. Where areas have been listed, there is no expectation of knowledge beyond that identified in order to achieve full marks.
- Students and teachers should consider how to focus their revision of other non-listed parts of the specification, which may be tested in the Writing translation questions and/or other components.
- The information is presented in specification order and not in question order.

Focus of the June 2022 exam

Foundation tier

Theme 1 – Identity and culture

Topic 1: Me, my family and friends

Topic 2: Technology in everyday life

Topic 3: Free-time activities

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 2: Social issues

Theme 3 – Current and future study and employment

Topic 1: My studies

Topic 2: Life at school/college

Topic 4: Jobs, career choices and ambitions

Higher tier**Theme 1 – Identity and culture**

Topic 1: Me, my family and friends

Topic 2: Technology in everyday life

Topic 3: Free-time activities

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 2: Social issues

Topic 3: Global issues

Theme 3 – Current and future study and employment

Topic 1: My studies

Topic 2: Life at school/college

Topic 3: Education post-16

Topic 4: Jobs, career choices and ambitions

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE Italian (8633)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Italian (8633).

Information

- This advance information covers Paper 4: Writing only.
- This advance information covers all the questions except Writing translation questions.
- There is no advance information for Paper 1: Listening, Paper 2: Speaking and Paper 3: Reading, due to the nature of the questions in these papers.
- It is not permitted to take this notice into the exam.

Advice

- Students will be credited for using any relevant knowledge from any other non-listed topic areas when answering questions. Where areas have been listed, there is no expectation of knowledge beyond that identified in order to achieve full marks.
- Students and teachers should consider how to focus their revision of other non-listed parts of the specification, which may be tested in the Writing translation questions and/or other components.
- The information is presented in specification order and not in question order.

Focus of the June 2022 exam

Foundation tier

Theme 1 – Identity and culture

Topic 3: Free-time activities

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 3: Global issues

Topic 4: Travel and tourism

Theme 3 – Current and future study and employment

Topic 1: My studies

Topic 2: Life at school/college

Topic 3: Education post-16

Higher tier

Theme 1 – Identity and culture

Topic 3: Free-time activities

Topic 4: Customs and festivals in Italian-speaking countries/communities

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 2: Social issues

Topic 4: Travel and tourism

Theme 3 – Current and future study and employment

Topic 1: My studies

Topic 2: Life at school/college

Topic 3: Education post-16

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE Mathematics (8300)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Mathematics (8300).

Information

- This advance information covers all examined components.
- There are no restrictions on who can use this.
- The format/structure of the papers remains unchanged.
- For each paper the list shows the major focus of questions.
- The information is presented in specification order and not in question order.
- You are not permitted to take this advance information into the exam.
- There are separate lists for Foundation and Higher tiers.

Advice

- The following areas of content are suggested as key areas of focus for revision and final preparation, in relation to the June 2022 examinations.
- Students and teachers should consider how to revise other parts of the specification, for example to review whether other topics may provide knowledge which helps your understanding in relation to the areas being tested in June 2022.
- Students will be credited for using any relevant or appropriate knowledge from any topic areas when answering questions.

Focus of the June 2022 exam

Foundation Tier
8300/1F June 2022

Topic	Detail
Number (see Ratio)	
Arithmetic	Four operations
	Negative number
	Order of operations
	Estimation
Fractions	Arithmetic
	Fraction of a number
Indices	Laws of Indices
Standard Form	Conversion
	Calculation
Other	Inequality notation
	Systematic listing

Algebra	
Equations	Linear
Graphs	Recognise
	Plot
	Linear graph
	Intersection of lines
	Interpret
Reasoning	Formula
Sequences	Sequence rule to find a term

Ratio (see Number)	
Conversions	Lengths
Percentage	Percentage of an amount
	Amount as a percentage
Fraction	Fraction less than 1
Ratio	Simplest form
	Ratio to fraction
Applications	Cost problem
	Density

Geometry and Measures	
Shapes	Naming circle part
	Types of triangle
	Translation
Area and Volume	Perimeter
	Sector of a circle
Angles	In triangles
Constructions	Region

Statistics
Two-way table
Averages problem
Outlier
Probability
Problem
Venn diagram

Topic	Detail
-------	--------

Number (see Ratio)	
Arithmetic	Order of operations
Fractions	Fraction of a number
	Improper fraction
	Fraction to decimal
Properties	Number line decimal
	Number problem
	Prime number
	Cube number
	Decimal place
Other	Inequality notation

Algebra	
Equations	Linear
Manipulation	Equivalent expressions
	Terms
	Multiply out
	Factorisation
Graphs	Coordinates
	Midpoint
	Point on line
	Intercept of a line
	Gradient of a line
	Equation of a line

Ratio (see Number)	
Conversions	Time
Percentage	Ratio and percentage
	Percentage increase
	Percentage decrease
Ratio	n : 1 form
Applications	Proportion problem
	Scale diagram
	Better value
	Ratio to percentage
	Equation to percentage
	Rate of output

Geometry and Measures	
Shapes	Draw shape
	Quadrilateral
	Parallelogram
	Part of circle
	Pythagoras
Measures	Time problem
Area and Volume	Compound shape

Statistics
Pie chart
Range
Mean
Probability
Relative frequency
Expected value
Tree diagram

Topic	Detail
-------	--------

Number (see Ratio)	
Properties	Place value
	Factor
	Multiple
	Highest Common Factor
	Error interval
Indices	Calculation
Other	Money problem
	Units of measure

Algebra	
Equations	Number machine
Manipulation	Simplification
	Substitution
	Formula
Graphs	Roots
	Turning point
Sequences	Arithmetic
	Geometric
	n th term

Ratio (see Number)	
Conversions	Lengths
	Time
Ratio	Share into a ratio
Applications	Ratio problem
	Interpretation
	Ratio to graph
	Average speed
Percentage	Percentage increase
Fraction	Fraction to percentage

Geometry and Measures	
Shape	Name
	Regular
	Line symmetry
	Rotational symmetry
	Circle
	Cylinder
	Sphere
	Trigonometry
Area and Volume	Compound shape
	Perimeter
Angles	Alternate angles
Other	Vector arithmetic

Statistics
Two-way table
Vertical line diagram
Mean from diagram
Bar chart
Probability
Frequency tree
Estimate of probability

Foundation Tier Aggregated Content June 2022
 Number (* see Ratio – some overlap of topic areas)

Topic	Detail
Arithmetic	Four operations
	Negative number
	Order of operations
	Estimation
Fractions*	Arithmetic
	Fraction of a number
	Improper fraction
	Fraction to decimal
Properties	Number line decimal
	Number problem
	Place value
	Prime number
	Factor
	Multiple
	Highest Common Factor
	Cube number
	Decimal place
	Error interval
Indices	Laws of indices
	Calculation
Standard Form	Conversion
	Calculation
Other	Inequality notation
	Money problem
	Systematic listing
	Units of measure

Algebra

Topic	Detail
Equations	Number machine
	Linear
Manipulation	Equivalent expressions
	Terms
	Multiply out
	Factorisation
	Simplification
	Substitution
	Formula
Graphs	Coordinates
	Midpoint
	Point on line
	Intercept of a line
	Gradient of a line
	Roots
	Turning point
	Equation of a line
	Recognise
	Plot
	Linear graph
	Intersection of lines
	Solve equation
	Interpret
	Formula
Reasoning	
Sequences	Sequence rule to find a term
	Arithmetic
	Geometric
	n th term

Ratio (*see Number – some overlap of topic areas)

Topic	Detail
Conversions	Lengths
	Time
Percentage*	Percentage of an amount
	Amount as a percentage
	Ratio and percentage
	Percentage increase
	Percentage decrease
Fraction*	Fraction less than 1
	Fraction to percentage
Ratio	Simplest form
	n : 1 form
	Share into a ratio
	Ratio to fraction
Applications	Ratio problem
	Scale diagram
	Better value
	Interpretation
	Ratio to graph
	Ratio to percentage
	Equation to percentage
	Cost problem
	Rate of output
	Average speed
	Density
	Proportion problem

Geometry and Measures

Topic	Detail
Shape	Draw shape
	Name
	Regular
	Line symmetry
	Rotational symmetry
	Quadrilateral
	Parallelogram
	Naming circle part
	Part of circle
	Circle
	Cylinder
	Sphere
	Types of triangle
	Pythagoras
	Trigonometry
	Translation
Measures	Time problem
Area and Volume	Compound shape
	Perimeter
	Sector of a circle
Angles	In triangles
	Alternate angles
Constructions	Region
Other	Vector arithmetic

Statistics

Diagrams	Two-way table
	Pie chart
	Vertical line diagram
	Bar chart
Measures	Averages problem
	Outlier
	Range
	Mean
	Mean from diagram

Probability

Frequency tree
Relative frequency
Expected value
Problem
Estimate of probability
Venn diagram
Tree diagram

Topic	Detail
-------	--------

Number (see Ratio)	
Arithmetic	Decimal
Fractions	Arithmetic
	Fraction of a number
	Value as fraction of another
	Recurring decimals as fractions
Percentage	Percentage as operator
Indices	Laws of Indices
Standard Form	Conversion
	Calculation
Surds	Simplification

Algebra	
Equations	Of a straight line
	Linear
Manipulation	Identity
	Simplification of algebraic fraction
	Simplification
	Factorisation of quadratic
	Change subject
Graphs	Recognise
	Sketch function
	Speed time
	Inequality region
	Interpret
Sequences	Algebraic

Ratio (see Number)	
Ratio	Simplest form
	Proportion problem

Geometry and Measures	
Shape	Congruence
	Prism
	Faces
	Exact trigonometric values
Area and Volume	Sector a of circle
Vectors	Vector geometry
Constructions	Region

Statistics
Cumulative frequency
Probability
Venn diagram
Tree diagram
Expected value
Independent events

Topic	Detail
-------	--------

Number (see Ratio)	
Properties	Prime number
	Cube number
	Reciprocal
	Decimal places
	Bounds
Fractions	Products
Indices	Negative

Algebra	
Equations	Of a circle
	Linear
	Quadratic
	Number line inequality
Manipulation	Factorisation of quadratic
	Multiply out
	Completing the square
Graphs	Coordinate problem
	Perpendicular lines
	Turning point
Functions	Inverse
Sequences	Triangular number

Ratio (see Number)	
Ratio	Share into a ratio
	On a line
Fraction	To percentage
Conversions	Time
Applications	Equation to percentage
	Rate of output
	Pressure
Percentage	Percentage increase
	Percentage decrease

Geometry and measures	
Area and Volume	Compound shape
	Cone
	Hemisphere
	Volume scale factor
Shape	Plan
	Pythagoras
Measures	Time
Other	Geometric proof

Statistics
Estimation from sample
Pie chart
Mean
Probability
Relative frequency
Expected value
Notation

Topic	Detail
-------	--------

Number (see Ratio)	
Properties	Highest Common Factor
	Lowest Common Multiple
	Error interval
Decimals	Ordering
	Recurring
Other	Product rule for counting

Algebra	
Equations	Quadratic
	Simultaneous linear/quadratic
Manipulation	Simplification
	Triple bracket
	Factorisation
	Quadratic
Graphs	Roots
	Turning points
	Quadratic
	Exponential
Functions	Composite
Sequences	Arithmetic
	Geometric
	n th term

Ratio (see Number)	
Ratio	Share into a ratio
Applications	Average speed
	Population density
Percentages	Percentage increase
	Compound interest

Geometry and Measures	
Area and Volume	Compound shape
	Cylinder
Shape	Quadrilateral
	Circle theorems
	Trigonometry
	Sine/Cosine rule
Vectors	Vector arithmetic
Other	Bearing

Statistics
Two-way table
Histogram
Box plot
Median, quartiles
Interquartile range
Line of best fit
Outlier
Probability
Independent events

Higher Tier Aggregated Content June 2022
 Number (* see Ratio – some overlap of topic areas)

Topic	Detail
Arithmetic	Decimal
Fractions*	Arithmetic
	Fraction of a number
	Value as fraction of another
	Products
	Recurring decimals as fractions
Properties	Prime number
	Highest Common Factor
	Lowest Common Multiple
	Cube number
	Reciprocal
	Decimal places
	Error interval
	Bounds
Percentage*	Percentage as operator
Decimals	Ordering
	Recurring
Indices	Laws of indices
	Negative
Standard Form	Conversion
	Calculation
Surds	Simplification
Other	Product rule for counting

Algebra

Topic	Detail
Equations	Of a straight line
	Of a circle
	Linear
	Quadratic
	Simultaneous linear/quadratic
	Number line inequality
Manipulation	Identity
	Simplification
	Multiply out
	Simplification of algebraic fraction
	Factorisation of quadratic
	Triple bracket
	Change subject
	Factorisation
	Completing the square
Graphs	Quadratic
	Coordinate problem
	Perpendicular lines
	Roots
	Turning points
	Recognise
	Quadratic
	Exponential
	Sketch function
	Speed time
	Inequality region
Functions	Interpret
	Inverse
Sequences	Composite
	Triangular number
	Arithmetic
	Geometric
	Algebraic
	n th term

Ratio (*see Number – some overlap of topic areas)

Topic	Detail
Ratio	Simplest form
	Share into a ratio
	On a line
	Proportion problem
Fraction*	To percentage
Percentage*	Percentage increase
	Percentage decrease
	Compound Interest
Conversions	Time
Applications	Equation to percentage
	Rate of output
	Pressure
	Average speed
	Population density

Geometry and Measures

Topic	Detail
Shape	Quadrilateral
	Congruence
	Circle theorems
	Prism
	Faces
	Plan
	Pythagoras
	Trigonometry
	Exact trigonometrical values
	Sine/Cosine rule
Area and Volume	Compound shape
	Cylinder
	Cone
	Hemisphere
	Sector of a circle
	Volume scale factor
Measures	Time
Vectors	Vector arithmetic
	Vector geometry
Constructions	Region
Other	Bearing
	Geometric proof

Statistics

Topic	Detail
Diagrams	Two-way table
	Pie chart
	Cumulative frequency
	Histogram
	Box plot
	Line of best fit
Measures	Mean
	Median, quartiles
	Interquartile range
	Outlier
Populations	Estimation from sample

Probability

Relative frequency
Expected value
Venn diagram
Tree diagram
Notation
Independent events

END OF ADVANCE INFORMATION

Pearson Edexcel GCSE

May–June 2022 Assessment Window

Syllabus
reference

1PE0

Physical Education 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.co.uk).

Instructions

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

Information

- This notice covers all examined components.
- This notice covers Components 01 and 02.
- This notice does **not** cover non-examined assessment (NEA) components.
- This notice does **not** apply to low tariff questions.
- 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 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 9 pages.

Continue ►

W73044A

©2022 Pearson Education Ltd.

G:1/1/1/1




Pearson

General advice

- In addition to covering the content outline in the advance information, students and teachers should consider how to:
 - manage their revision of parts of the specification that may be assessed in areas not covered by the advance notice
 - manage their revision of other parts of the specification that may provide knowledge which helps with understanding the areas being tested in 2022.
- For specifications with synoptic assessments, 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 options.
- 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 advance information document details the major focus of the content of the exams in the 2022 assessments in the GCSE Physical Education full course.
- The information is presented in specification order and not in question order.
- Topics not included in the advance information may appear in questions worth fewer than 2 marks.

Component 1: Fitness and Body Systems

The following table summarises the subject content focus for the higher tariff questions in the May–June 2022 examination paper.

NB. Topics **not** included on the list **may** appear in questions with a lower tariff.

NB. Most topics are hierarchical, requiring underpinning knowledge from other topics, e.g., when answering questions on Topic 1.1.9 candidates will need to use knowledge acquired in Topic 1.1.5, (movement possibilities at joints), similarly with Topics 3.2.2 (fitness tests) and 3.2.1 (fitness components).

Topic 1: Applied anatomy and physiology	1.1 The structure and functions of the musculo-skeletal system	1.1.4	Classification of joints: pivot (neck – atlas and axis), hinge (elbow, knee and ankle), ball and socket (hip and shoulder), condyloid (wrist), and their impact on the range of possible movements.
		1.1.6	The role of ligaments and tendons, and their relevance to participation in physical activity and sport.
		1.1.7	Classification and characteristics of muscle types: voluntary muscles of the skeletal system, involuntary muscles in blood vessels, cardiac muscle forming the heart, and their roles when participating in physical activity and sport.
		1.1.8	Location and role of the voluntary muscular system to work with the skeleton to bring about specific movement during physical activity and sport, and the specific function of each muscle (deltoid, biceps, triceps, pectoralis major, latissimus dorsi, external obliques, hip flexors, gluteus maximus, quadriceps, hamstrings, gastrocnemius and tibialis anterior).
		1.1.9	Antagonistic pairs of muscles (agonist and antagonist) to create opposing movement at joints to allow physical activities (e.g. gastrocnemius and tibialis anterior acting at the ankle -plantar flexion to dorsi flexion; and quadriceps and hamstrings acting at the knee, biceps and triceps acting at the elbow, and hip flexors and gluteus maximus acting at the hip – all flexion to extension).

	1.2 The structure and functions of the cardio-respiratory system	1.2.1 Functions of the cardiovascular system applied to performance in physical activities: transport of oxygen, carbon dioxide and nutrients, clotting of open wounds, regulation of body temperature.
	1.3 Anaerobic and aerobic exercise	1.3.1 Energy: the use of glucose and oxygen to release energy aerobically with the production of carbon dioxide and water, the impact of insufficient oxygen on energy release, the by-product of anaerobic respiration (lactic acid).
	1.4 The short- and long-term effects of exercise	1.4.1 Short-term effects of physical activity and sport on lactate accumulation, muscle fatigue, and the relevance of this to the player/performer.
		1.4.2 Short-term effects of physical activity and sport on heart rate, stroke volume and cardiac output, and the importance of this to the player/performer.
		1.4.3 Short-term effects of physical activity and sport on depth and rate of breathing, and the importance of this to the player/performer.
		1.4.4 How the respiratory and cardiovascular systems work together to allow participation in, and recovery from, physical activity and sport: oxygen intake into lungs, transfer to blood and transport to muscles, and removal of carbon dioxide.
		1.4.5 Long-term effects of exercise on the body systems – see 3.4.1–3.4.4

Topic 3: Physical training	3.1 The relationship between health and fitness and the role that exercise plays in both	3.1.1 Definitions of fitness, health, exercise and performance and the relationship between them.
	3.2 The components of fitness, benefits for sport and how fitness is measured and improved	3.2.2 Fitness tests: the value of fitness testing, the purpose of specific fitness tests, the test protocols, the selection of the appropriate fitness test for components of fitness and the rationale for selection.
		3.2.3 Collection and interpretation of data from fitness test results and analysis and evaluation of these against normative data tables.
		3.2.4 Fitness tests for specific components of fitness: cardiovascular fitness – Cooper 12-minute tests (run, swim), Harvard Step Test; agility – Illinois agility run test; strength – grip dynamometer; muscular endurance – one-minute sit-up, one-minute press-up; speed – 30 m sprint; power – vertical jump; flexibility – sit and reach.
		3.2.5 How fitness is improved – see section 3.3.1–3.3.3

	3.3 The principles of training and their application to personal exercise/training programmes	3.3.2 Factors to consider when deciding the most appropriate training methods and training intensities for different physical activities and sports (fitness/sport requirements, facilities available, current level of fitness).
		3.3.3 The use of different training methods for specific components of fitness, physical activity and sport: continuous, Fartlek, circuit, interval, plyometrics, weight/resistance. Fitness classes for specific components of fitness, physical activity and sport (body pump, aerobics, Pilates, yoga, spinning). The advantages and disadvantages of different training methods.
	3.4 The long-term effects of exercise	3.4.4 Long-term training effects and benefits: for performance of the cardio-respiratory system: decreased resting heart rate, faster recovery, increased resting stroke volume and maximum cardiac output, increased size/strength of heart, increased capillarisation, increase in number of red blood cells, drop in resting blood pressure due to more elastic muscular wall of veins and arteries, increased lung capacity/volume and vital capacity, increased number of alveoli, increased strength of diaphragm and external intercostal muscles.
	3.5 How to optimise training and prevent injury	3.5.5 Performance-enhancing drugs (PEDs) and their positive and negative effects on sporting performance and performer lifestyle, including anabolic steroids, beta blockers, diuretics, narcotic analgesics, peptide hormones (erythropoietin (EPO), growth hormones (GH)), stimulants, blood doping.
Topic 4: Use of data	4.1 Use of data	4.1.4 Interpret data accurately.

Component 2: Health and Performance

The following table summarises the subject content focus for the higher tariff questions in the May–June 2022 examination paper.

NB. Topics **not** included on the list **may** appear in questions with a lower tariff.

NB. Some topics are hierarchical, requiring underpinning knowledge from other topics.

Topic 1: Health, fitness and wellbeing	1.1 Physical, emotional and social health, fitness and wellbeing	1.1.1	Physical health: how increasing physical ability, through improving components of fitness can improve health/reduce risks and how these benefits are achieved.
		1.1.2	Emotional health: how participating in physical activity and sport can improve emotional/psychological health and how these benefits are achieved.
	1.2 The consequences of a sedentary lifestyle	1.2.1	A sedentary lifestyle and its consequences: overweight, overfat, obese, increased risk of long-term health, e.g. depression, diabetes, osteoporosis, loss of muscle tone, posture, impact on components of fitness.
	1.3 Energy use, diet, nutrition and hydration	1.3.1	The nutritional requirements and ratio of nutrients for a balanced diet to maintain a healthy lifestyle and optimise specific performances in physical activity and sport.
		1.3.2	The role and importance of macronutrients (carbohydrates, proteins and fats) for performers/players in physical activity and sport, carbohydrate loading for endurance athletes and timing of protein intake for power athletes.
		1.3.3	The role and importance of micronutrients (vitamins and minerals), water and fibre for performers/players in physical activity and sport.

Topic 2: Sport psychology	2.1 Classification of skills (basic/complex, open/closed)	2.1.1 Classification of a range of sports skills using the open-closed, basic (simple) - complex and low-organisation-high organisation continua.
	2.2 The use of goal setting and SMART targets to improve and/or optimise performance	2.2.2 Principals of SMART targets (specific, measurable, achievable, realistic, time-bound) and the value of each principal in improving and/or optimising performance.
	2.3 Guidance and feedback on performance	2.3.3 Types of feedback to optimise performance: intrinsic, extrinsic, concurrent and terminal.
Topic 3: Socio-cultural influences	3.1 Engagement patterns of different social groups in physical activity and sport	3.1.1 Participation rates in physical activity and sports and the impact on participation rates considering the following personal factors: gender, age, socio-economic group, ethnicity, disability.
	3.2 Commercialisation of physical activity and sport	3.2.2 The advantages and disadvantages of commercialisation and the media for: the sponsor, the sport, the player/performer, the spectator.
	3.3 Ethical and socio-cultural issues in physical activity and sport	3.3.1 The different types of sporting behaviour: sportsmanship, gamesmanship, and the reasons for, and consequences of, deviant behaviour.
Topic 4 Use of data	4.1 Use data	4.1.4 Accurate interpretation of data.

END OF ADVANCE INFORMATION

Pearson Edexcel Level 1/Level 2 GCSE (9–1)

May–June 2022 Assessment Window

Syllabus
reference

1PH0

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.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 7 pages.

Continue ►

W73048A

©2022 Pearson Education Ltd.

G:1/1/1/1



General advice

- In addition to covering the content outline in the Advance Information, students and teachers should consider how to:
 - manage their revision of content 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.
- 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 either 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.
- Each exam paper may include some, or all, of the content in the listed topic.

Paper 1PH0/1F

Content **will be assessed** from the following topics:

- Topic 2 Motion and forces – Velocity and acceleration (2.1–2.13)
- Topic 3 Conservation of energy – energy transfers and efficiency (3.1–3.11)
- Topic 4 Waves – Waves and their effects (4.1–4.11)
- Topic 5 Light and the electromagnetic spectrum – Light and lenses (5.1P–5.6P)
- Topic 6 Radioactivity – Activity of radioactive sources, half-life, dangers and applications (6.23–6.35P)
- Topic 6 Radioactivity – Nuclear fission and nuclear fusion (6.36P–6.46P)
- Topic 7 Astronomy – Solar System (7.1P–7.7P)

Core practical activities that **will be assessed**:

- Core Practical 4.17: Investigate the suitability of equipment to measure the speed, frequency and wavelength of a wave in a solid and a fluid

Topics **not assessed** in this paper:

- Topic 2 Motion and forces – Newton's 3rd Law (2.23)
- Topic 3 Conservation of energy – Energy sources and patterns in usage of energy (3.13–3.14)
- Topic 4 Waves – Sound with applications (4.12P–4.16P)
- Topic 5 Light and the electromagnetic spectrum – Emission and absorption of thermal radiation (5.12–5.19P)
- Topic 7 Astronomy – Big Bang and Steady State theory (7.8P–7.15P)

Paper 1PH0/1H

Content **will be assessed** from the following topics:

- Topic 2 Motion and forces – Velocity and acceleration (2.1–2.13)
- Topic 2 Motion and forces – Newton's 3rd law and momentum (2.20–2.26)
- Topic 3 Conservation of energy – Energy transfers and efficiency (3.1–3.12)
- Topic 4 Waves – Sound with applications (4.12P–4.16P)
- Topic 5 Light and the electromagnetic spectrum – Light and lenses (5.1P–5.6P)
- Topic 6 Radioactivity – Emission of ionising radiations (6.10–6.22)
- Topic 7 Astronomy – Big Bang and Steady State theory (7.8P–7.15P)

Core practical activities that **will be assessed**:

- No core practicals are assessed in this paper

Topics **not assessed** in this paper:

- Topic 2 Motion and forces – Newton's 1st law and 2nd law (2.14–2.19)
- Topic 3 Conservation of energy – Energy sources and patterns in usage of energy (3.13–3.14)
- Topic 5 Light and the electromagnetic spectrum – Emission and absorption of thermal radiation (5.12–5.19P)
- Topic 7 Astronomy – Solar System (7.1P–7.7P)

Paper 1PH0/2F

Content **will be assessed** from the following topics:

- Topic 8 Energy – Forces doing work (8.1–8.15)
- Topic 9 Forces and their effects – Rotation and principles of moments (9.6P–9.8P)
- Topic 10 Electricity and circuits – Electrical circuit principles (10.1–10.17)
- Topic 11 Static electricity: (11.1P–11.10P)
- Topic 12 Magnetism and the motor effect – Magnets and magnetic fields (12.1–12.6)
- Topic 14 Particle model – Pressure of a gas (14.12–14.19)
- Topic 15 Forces and Matter – Pressure in fluids (15.7P–15.14P)

Core practical activities that **will be assessed**:

- Core practical 14.3 Investigate the densities of solids and liquids
- Core practical 14.11 Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature time graph for melting ice

Topics **not assessed** in this paper:

- Topic 9 Forces and their effects – Describing and representing forces (9.1–9.2)
- Topic 10 Electricity and circuits – Electrical devices (10.18–10.21)
- Topic 12 Magnetism and the motor effect – Electromagnetism (12.7–12.9)
- Topic 13 Electromagnetic induction (13.8–13.10)
- Topic 15 Forces and matter (15.1–15.6)

Paper 1PH0/2H

Content **will be assessed** from the following topics:

- Topic 8 Energy – Forces doing work (8.1–8.15)
- Topic 9 Forces and their effects – Rotation and the principle of moments (9.6P–9.8P)
- Topic 10 Electricity and circuits – Electrical circuit principles (10.1–10.7)
- Topic 11 Static electricity (11.1P–11.10P)
- Topic 12 Magnetism and the motor effect - Magnets and magnetic fields (12.1–12.6)
- Topic 13 Electromagnetic induction – Transformers (13.5P–13.11P)
- Topic 14 Particle Model – Properties of solids, liquids and gases (14.1–14.5)
- Topic 15 Forces and matter – Pressure in fluids (15.7P–15.14P)

Core practical activities that **will be assessed**:

- Core Practical 10.17 Construct electrical circuits to:
A Investigate the relationship between potential difference, current and resistance for a resistor and a lamp
B: B test series and parallel circuits using resistors and filament lamps
- Core Practical 14.3 Investigate the densities of solids and liquids
- Core Practical 14.11 Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice

Topics **not assessed** in this paper:

- Topic 10 Electricity and circuits – ac and dc used in practice (10.32–10.42)
- Topic 15 Forces and matter – Elasticity (15.1–15.6)
- Topic 15 Forces and matter – Archimedes' principle (15.15P–15.17P)

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE Polish (8688)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Polish (8688).

Information

- This advance information covers Paper 4: Writing only.
- This advance information covers all the questions except Writing translation questions.
- There is no advance information for Paper 1: Listening, Paper 2: Speaking and Paper 3: Reading, due to the nature of the questions in these papers.
- It is not permitted to take this notice into the exam.

Advice

- Students will be credited for using any relevant knowledge from any other non-listed topic areas when answering questions. Where areas have been listed, there is no expectation of knowledge beyond that identified in order to achieve full marks.
- Students and teachers should consider how to focus their revision of other non-listed parts of the specification, which may be tested in the Writing translation questions and/or other components.
- The information is presented in specification order and not in question order.

Focus of the June 2022 exam

Foundation tier

Theme 1 – Identity and culture

Topic 2: Technology in everyday life

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 2: Social issues

Topic 3: Global issues

Theme 3 – Current and future study and employment

Topic 3: Education post-16

Topic 4: Jobs, career choices and ambitions

Higher tier

Theme 1 – Identity and culture

Topic 2: Technology in everyday life

Topic 3: Free-time activities

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 2: Social issues

Theme 3 – Current and future study and employment

Topic 2: Life at school/college

Topic 3: Education post-16

Topic 4: Jobs, career choices and ambitions

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE Religious Studies B 8063

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Religious Studies B 8063.

Information

- This advance information covers Paper 1 (Catholic Christianity).
- There is no advance information for Paper 2 (Perspectives on Faith).
- The information below identifies the main subject topic areas used as the primary focus of questions in the 2022 assessments.
- The information is presented in specification order and not in question order.
- It is not permitted to take this notice into the examination.

Advice

- Students may need to draw on other specification content within their responses to be able to access the full range of marks.

Focus of the June 2022 exam

Component 1: Catholic Christianity

Creation

Forms of expression – art

- The meaning and significance of Michelangelo's *Creation of Adam*.
- How it reflects Catholic beliefs about God as creator and the creation of humanity in the image of God.

Beliefs and teachings

- The meaning and significance of the belief that human beings are made in the image of God.

Sources of authority

Tradition

- Natural law, including how belief in the goodness of creation leads to Catholic understanding of natural law and how belief in natural law influences Catholic views about the sanctity of life.

Magisterium

- The influence of the Second Vatican Council on Catholic views of the harmony between science and religion, eg *Gaudium et Spes* 36.

Practices

- The meaning of stewardship and of different ways in which Catholics might carry out their duty to be stewards at a local, national and global level.

Incarnation

Forms of expression – symbol and incarnation

- The religious significance and relevance of the following Christian symbols: Ichthus (fish), Alpha and Omega, Chi-Rho.

Beliefs and teachings

- The meaning and scriptural origins of the belief in Jesus as the incarnate Son (Luke 1:26–38 and Matthew 1:18–24) and divine Word (John 1:1–4 and 1:14).
- Jesus as both fully human and fully God, including the meaning and significance of
 - Jesus as ‘Son of Man’ (Mark 8:31)
 - Jesus as ‘Son of God’ (Mark 14:61–62).

Sources of authority

Scripture

- Jesus as the fulfilment of the law, a model of virtues and authoritative source for moral teaching as exemplified in the Beatitudes (Matthew 5:1–12) and in his teaching on how Christians should respond to those in need (Matthew 25:31–46).

Magisterium

- The similarities and differences in the understanding of the incarnation as presented in *Dei Verbum* 4 and *Verbum Domini* 12.

Practices

- The names of the seven sacraments and Catholic beliefs about their effects on the sanctification of life.

The Triune God, mission and prayer

Forms of expression – music and the glory of God

- The use of different styles of music in worship including psalms, plainchant, traditional hymns, contemporary worship songs and their influence.
- Mass settings used in liturgy, their significance and influence.

Beliefs and teachings

- One God as a Trinity of persons: Father, Son and Holy Spirit as expressed in the Nicene Creed; the scriptural origins of this belief: Deuteronomy 6:4, Matthew 3:16–17, Galatians 4:6.

Sources of authority

Scripture

- Christian understanding of God as a Trinity of persons with reference to Mark 1:9–11 and Galatians 4:6–7.

Magisterium

- The meaning and significance of conciliar magisterial authority, including its influence on Catholic doctrine of the Trinity, with reference to the Councils of Nicaea (AD 325) and Constantinople (AD 381).

Practices

- The significance of prayer as a 'raising of the heart and mind to God', including contrasting features of traditional and spontaneous prayers.

Redemption

Forms of expression – architecture and design

- How the architecture, design and decoration of Catholic churches reflect Catholic beliefs and facilitate worship.
- How the lectern, altar, crucifix and tabernacle express different aspects of the mystery of redemption and facilitate worship.

Beliefs and teachings

- How far the story of redemption has influenced Catholic understanding of the liturgy.

Sources of authority

Scripture

- Identification and understanding of redemption themes in Mark 15:21–39 and John 20:1–18, Acts 1:6–11 and 2:1–4.

Magisterium

- The significance and meaning of the conscience as the Voice of God and as a guide for the redeemed with reference to Gaudium et Spes 16 and the Catechism of the Catholic Church. Different understandings of the conscience and its value as a guide.

Practices – Eucharist and redemption

- The Mass as the 'source and summit' of Christian life including the meaning and significance of the Eucharist for Catholics and other Christian denominations.

END OF ADVANCE INFORMATION

Advance information June 2022

GCSE Spanish (8698)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Spanish (8698).

Information

- This advance information covers Paper 4: Writing only.
- This advance information covers all the questions except Writing translation questions.
- There is no advance information for Paper 1: Listening, Paper 2: Speaking and Paper 3: Reading, due to the nature of the questions in these papers.
- It is not permitted to take this notice into the exam.

Advice

- Students will be credited for using any relevant knowledge from any other non-listed topic areas when answering questions. Where areas have been listed, there is no expectation of knowledge beyond that identified in order to achieve full marks.
- Students and teachers should consider how to focus their revision of other non-listed parts of the specification, which may be tested in the Writing translation questions and/or other components.
- The information is presented in specification order and not in question order.

Focus of the June 2022 exam

Foundation tier

Theme 1 – Identity and culture

Topic 1: Me, my family and friends

Topic 2: Technology in everyday life

Topic 3: Free-time activities

Topic 4: Customs and festivals in Spanish-speaking countries/communities

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 2: Social issues

Topic 3: Global issues

Topic 4: Travel and tourism

Theme 3 – Current and future study and employment

Topic 1: My studies

Topic 2: Life at school/college

Topic 4: Jobs, career choices and ambitions

Higher tier

Theme 1 – Identity and culture

Topic 1: Me, my family and friends

Topic 2: Technology in everyday life

Topic 4: Customs and festivals in Spanish-speaking countries/communities

Theme 2 – Local, national, international and global areas of interest

Topic 1: Home, town, neighbourhood and region

Topic 2: Social issues

Topic 3: Global issues

Topic 4: Travel and tourism

Theme 3 – Current and future study and employment

Topic 1: My studies

Topic 2: Life at school/college

Topic 3: Education post-16

Topic 4: Jobs, career choices and ambitions

END OF ADVANCE INFORMATION