



**KING EDWARD VI  
SHELDON HEATH  
ACADEMY**

# Year 9

## Timetable & Revision guides

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# Maths Revision List

**Exam paper information:** 2 papers, 1 Hour each paper.

Year 9 Set 1 Paper 1	
A1	Recurring Decimals
A1	Simultaneous Equations Algebraically
A1	Scatter Diagrams
A2	Comparing Ratios
A3	Solving Quadratics
A4	Negative Indices
A4	Fractional Indices
A4	Introduction to Vectors
A2	Solving Equations (harder)
A3	Product of Primes
A5	Adding and Subtracting Fractions
A6	Error Intervals
A7	Standard Form
Year 9 Set 1 Paper 1	
A1	Product of Three Binomials
A2	Combinations of Transformations
A3	Boxplots
A4	And and Or Probability Questions
A7	Histograms
A1	Trigonometry
A2	Enlargements (grade 4)
A5	Finding the Equation of a Straight Line - $y=mx+c$
A5	Direct and Inverse Proportion
A6	Compound Interest and Depreciation
A6	Exchanging Money
A6	Similar Shapes
A7	Angle Sum of Polygons

Year 9 Set 2 Paper 1	
A1	Recurring Decimals
A1	Expanding and Simplifying Brackets - Double Set of Brackets
A1	Simultaneous Equations Algebraically
A2	Translations
A2	Solving Equations (harder)
A3	Product of Primes
A3	Rearranging Simple Formulae
A3	Factorising Quadratic Expressions in the Form $x^2 + bx + c$
A4	Negative Indices
A4	Multiplying Decimals
A4	Laws of indices
A5	Adding and Subtracting Fractions
A7	Standard Form
Year 9 Set 2 Paper 2	
A1	Pythagoras' Theorem
A1	Scatter Diagrams
A2	Enlargements (grade 4)
A2	Comparing Ratios
A2	Reverse Percentage Problems
A3	Boxplots
A4	And and Or Probability Questions
A5	Finding the Equation of a Straight Line - $y=mx+c$
A5	Direct and Inverse Proportion
A6	Error Intervals
A6	Similar Shapes
A6	Compound Interest and Depreciation
A7	Angle Sum of Polygons

Year 9 Set 3 Paper 1	
A1	Solving Equations
A1	Introduction to Vectors
A2	Straight Line Graphs
A2	Standard Form
A3	BODMAS/BIDMAS
A3	Multiplying Decimals
A3	Conversion Graphs
A4	Roots and Turning Points of Quadratics
A5	Adding and Subtracting Fractions
A6	Venn Diagrams - Introduction
A6	Product of Primes
A6	Highest Common Factor (HCF)
A7	Simple Factorisation
A7	Laws of indices
Year 9 Set 3 Paper 2	
A1	Sharing using Ratio
A1	Simple Proportion
A2	Calculator Questions
A2	Finding the Equation of a Straight Line - $y=mx+c$
A4	Pythagoras' Theorem
A4	Increase/Decrease by a Percentage (Calc.)
A4	Simple Interest
A5	Expanding Brackets
A5	Expanding and Simplifying Brackets - Double Set of Brackets
A5	Simple Tree Diagrams
A7	Angles in a Triangle
A7	Angles and Parallel Lines
A7	Reverse Percentage Problems

Year 9 Set 4 Paper 1	
A1	BODMAS/BIDMAS
A2	Expanding Brackets
A2	Multiplying Decimals
A3	Decimals and Fractions
A5	Standard Form
A5	Dividing Fractions
A5	Adding and Subtracting Fractions
A5	Inequalities on a Number Line
A6	Tangents, Arcs, Sectors and Segments
A6	Highest Common Factor (HCF)
A6	Product of Primes
Year 9 Set 4 Paper 1	
A1	Angles in a Triangle
A1	Sharing using Ratio
A2	Stem and Leaf Diagrams
A3	Solving Equations
A4	Increase/Decrease by a Percentage (Calc.)
A4	Averages from a Frequency Table
A4	Volume of a Cuboid
A6	Simple Tree Diagrams
A7	Simple Interest
A7	Drawing Quadratic Graphs
A7	The Gradient of a Line

Paper 1 Non-Calculator.  
Paper 2 Calculator

**Where to find revision resources?**  
Revision task on MathsWatch for each paper.

# Year 9 English

## YEAR 9 END OF YEAR EXAMS

Reading	Information	45 minute long exam. Unseen Poetry, single poem and comparison question. In classroom assessment.
	Topic	Unseen Poetry Single Poem and Comparative
	Where to revise	Materials from lesson, including practice and booklet to use for revision. YouTube for various video support and video analysis. Search: KS4 Unseen Poetry
Writing	Information	45 minute long exam. Statement with a task to argue, persuade, advise (persuasive writing).
	Topic	<b>Non-Fiction Writing (GCSE English Language Paper 2 links).</b> Developing skills linked to writing for clarity, assessing on: <ol style="list-style-type: none"><li>1. Language techniques (Logos, Pathos, Ethos, DAFOREST)</li><li>2. Sentence variation</li><li>3. Punctuation</li><li>4. Paragraphing</li><li>5. Vocabulary choice</li></ol>
	Where to revise	Practice writing to persuade at home, and YouTube for GCSE English Language Paper 2 Section B to support.

# GCSE Science Revision topics

Year 9 End of Year Test topics (May 2024)	
Section A Paper	Section B Paper
<p><b>TOPIC: HISTORY OF OUR PLANET</b> Key focus: Structure of the Earth, Composition of the atmosphere, evolution, fossils and natural selection <a href="#">The Earth and atmosphere - KS3 Chemistry - BBC Bitesize</a> <a href="#">Structure of the Earth - The Earth and atmosphere - KS3 Chemistry - BBC Bitesize</a></p>	<p><b>TOPIC: IMPACT ON THE PLANET.</b> Key Focus: Fossil fuels, deforestation, global warming and pollution <a href="#">Greenhouse gases and climate change - Humans and the environment - KS3 Biology - BBC Bitesize</a> <a href="#">The Earth's early atmosphere - BBC Bitesize</a> <a href="#">Separating crude oil - Crude oil, hydrocarbons and alkanes - BBC Bitesize</a></p>
<p><b>TOPIC: FUTURE OF THE PLANET.</b> Key Focus: Energy resources, renewable energy, recycling and biodiversity <a href="#">How we use fossil fuels for energy - BBC Bitesize</a> <a href="#">Generating electricity guide for KS3 physics students - BBC Bitesize</a> <a href="#">Explore sustainability and plastics - BBC Bitesize</a></p>	<p><b>TOPIC: FINDING A NEW PLANET.</b> Key Focus: Big Bang Theory, stars, gravity and photosynthesis <a href="#">Planets of our Solar System - BBC Bitesize</a> <a href="#">Weight, mass and gravitational field strength - Gravity - BBC Bitesize</a> <a href="#">Adaptations of plants - Ecosystems and habitats - KS3 Biology - BBC Bitesize</a></p>
<p><b>TOPIC: FOOD &amp; DIGESTION</b> Key Focus: Digestive system, enzymes, neutralisation reactions <a href="#">Healthy diet - Nutrition, digestion and excretion - KS3 Biology - BBC Bitesize</a> <a href="#">The structure of the digestive system - Nutrition, digestion and excretion - KS3 Biology - BBC Bitesize</a></p>	<p><b>TOPIC: BREATHE EASY</b> Key Focus: Respiration, Diffusion, Gas exchange and asthma <a href="#">Structure and function of the gas exchange system - Respiration and gas exchange - KS3 Biology - BBC Bitesize</a> <a href="#">The lungs - Exchange surfaces and transport systems - BBC Bitesize</a></p>
<p><b>TOPIC: SCIENCE IN MOTION</b> Key focus: Resultant forces, speed, air and wind resistance <a href="#">What are water and air resistance? - BBC Bitesize</a> <a href="#">Forces and movement - KS3 Physics - BBC Bitesize</a> <a href="#">Representing journeys - Forces and movement - KS3 Physics - BBC Bitesize</a> <a href="#">Motion and speed - Forces and movement - KS3 Physics - BBC Bitesize</a></p>	<p><b>TOPIC: INVESTIGATIVE SKILLS</b> Key Focus: Variables, analysing data, calculating mean and uncertainty, evaluating data and drawing conclusions. <a href="#">Graphs and charts - Working scientifically - KS3 Science - BBC Bitesize</a> <a href="#">Mean, median, mode and range - BBC Bitesize</a> <a href="#">Variables - Working scientifically - KS3 Science - BBC Bitesize</a></p>
<p><b>TOPIC: FUNDAMENTALS OF BIOLOGY</b> Key focus: Cell structure, cell transport and microscopes <a href="#">Cell measurement - Cell structure - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</a> <a href="#">Cell biology - GCSE Combined Science - BBC Bitesize</a></p>	<p><b>TOPIC: FUNDAMENTALS OF PHYSICS</b> Key focus: Energy stores, potential energies, calculating energy efficiencies and power calculations. <a href="#">Efficiency - Work, power and efficiency - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize</a> <a href="#">The conservation of energy - Changes in energy stores - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize</a> <a href="#">Gravitational potential energy - Energy changes - AQA Synergy - GCSE Combined Science Revision - AQA Synergy - BBC Bitesize</a></p>

Year 9 Triple Classes - End of Year Test topics (May 2025)	
Section A Paper	Section B Paper
<p><b>TOPIC: HISTORY OF OUR PLANET</b> Key focus: Structure of the Earth, Composition of the atmosphere, evolution, fossils and natural selection <a href="#">The Earth and atmosphere - KS3 Chemistry - BBC Bitesize</a> <a href="#">Structure of the Earth - The Earth and atmosphere - KS3 Chemistry - BBC Bitesize</a></p>	<p><b>TOPIC: IMPACT ON THE PLANET.</b> Key Focus: Fossil fuels, deforestation, global warming and pollution <a href="#">Greenhouse gases and climate change - Humans and the environment - KS3 Biology - BBC Bitesize</a> <a href="#">The Earth's early atmosphere - BBC Bitesize</a> <a href="#">Separating crude oil - Crude oil, hydrocarbons and alkanes - BBC Bitesize</a></p>
<p><b>TOPIC: FUTURE OF THE PLANET.</b> Key Focus: Energy resources, renewable energy, recycling and biodiversity <a href="#">How we use fossil fuels for energy - BBC Bitesize</a> <a href="#">Generating electricity guide for KS3 physics students - BBC Bitesize</a> <a href="#">Explore sustainability and plastics - BBC Bitesize</a></p>	<p><b>TOPIC: FINDING A NEW PLANET.</b> Key Focus: Big Bang Theory, stars, gravity and photosynthesis <a href="#">Planets of our Solar System - BBC Bitesize</a> <a href="#">Weight, mass and gravitational field strength - Gravity - BBC Bitesize</a> <a href="#">Adaptations of plants - Ecosystems and habitats - KS3 Biology - BBC Bitesize</a></p>
<p><b>TOPIC: FOOD &amp; DIGESTION</b> Key Focus: Digestive system, enzymes, neutralisation reactions <a href="#">Healthy diet - Nutrition, digestion and excretion - KS3 Biology - BBC Bitesize</a> <a href="#">The structure of the digestive system - Nutrition, digestion and excretion - KS3 Biology - BBC Bitesize</a></p>	<p><b>TOPIC: BREATHE EASY</b> Key Focus: Respiration, Diffusion, Gas exchange and asthma <a href="#">Structure and function of the gas exchange system - Respiration and gas exchange - KS3 Biology - BBC Bitesize</a> <a href="#">The lungs - Exchange surfaces and transport systems - BBC Bitesize</a></p>
<p><b>TOPIC: FUNDAMENTALS OF BIOLOGY</b> Key focus: Cell structure, cell transport and microscopes <a href="#">Cell measurement - Cell structure - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</a> <a href="#">Cell biology - GCSE Combined Science - BBC Bitesize</a></p>	<p><b>TOPIC: FUNDAMENTALS OF PHYSICS</b> Key focus: Energy stores, potential energies, calculating energy efficiencies and power calculations. Ennergy resources, demands and issues. <a href="#">Efficiency - Work, power and efficiency - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize</a> <a href="#">The conservation of energy - Changes in energy stores - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize</a> <a href="#">Gravitational potential energy - Energy changes - AQA Synergy - GCSE Combined Science Revision - AQA Synergy - BBC Bitesize</a> <a href="#">Kinetic energy - Motion and energy transfer - GCSE Physics (Single Science) Revision - OCR 21st Century - BBC Bitesize</a> <a href="#">Energy and power - Work, power and efficiency - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize</a></p>
<p><b>TOPIC: FUNDAMENTALS OF CHEMISTRY</b> Key focus: Atomic structure, mixtures, history of the atom, ions and isotopes, periodic table, group 1, 7 and 0 elements, developing the periodic table. <a href="#">Calculating relative atomic mass - Higher - Atomic structure - Edexcel - GCSE Combined Science Revision - Edexcel - BBC Bitesize</a> <a href="https://www.bbc.co.uk/bitesize/guides/zwn8b82/revision/4">https://www.bbc.co.uk/bitesize/guides/zwn8b82/revision/4</a></p>	

# Year 9 History

**Exam paper information:** 1 paper - 50 minutes

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**Where to find revision resources?**

Resources will be uploaded to Teams

## Key topics to revise



**Hitler's rise  
to power**



**The Second  
World War**



**The Holocaust**



**The Montgomery and  
Bristol bus boycotts**

# Year 9 Computer Science

**Exam paper information:** Part (A) – Written exam paper 45 minutes • Part (B) – ICT skills practical task

## Key Topics to Revise

### Part (A)

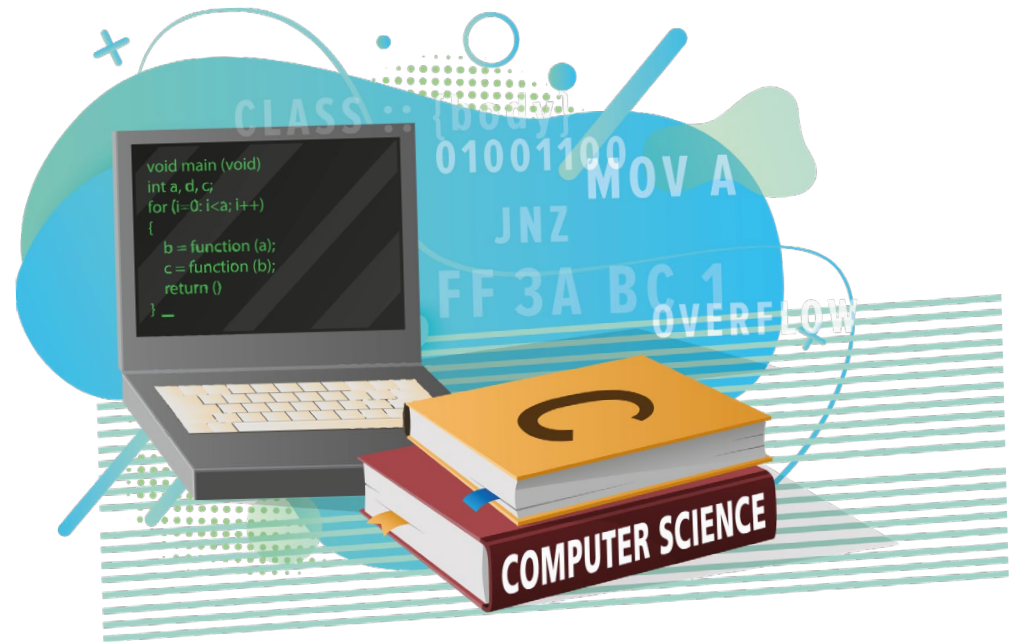
- Python programming
- Data science (PPDAC)
- Binary representation of images and sounds
- Ethical, moral, environmental issues

### Part (B)

You will be asked to design and animate a 3d object in Blender

### Find links below for revision information:

Sequence, selection and Iteration:



# Year 9 Geography

**Exam paper information:** 1 paper - 50 minutes

**Where to find revision resources?**

Resources will be uploaded to Teams



<b>Unit 1 – Global Threats</b>	<ul style="list-style-type: none"><li>✓ What is climate change, what causes it (human and physical) and how does it impact the world around us?</li><li>✓ How do global health hazards impact our world? How are different countries impacted differently? How can we solve them?</li><li>✓ How do plastics impact our world? How can we solve the problems?</li></ul>
<b>Unit 2 – Advancing Asia</b>	<ul style="list-style-type: none"><li>✓ How is population spread around Asia? What are the impacts of population change? What are the causes of population distribution across Asia?</li><li>✓ How is China impacted by the one child policy?</li><li>✓ How is Bangladesh impacted by female-first family planning?</li><li>✓ What are superpower countries and how do they impact the world around them?</li></ul>
<b>Unit 3 – World Cities</b>	<ul style="list-style-type: none"><li>✓ How do cities develop over time?</li><li>✓ What is urbanisation?</li><li>✓ What are the different trends in urbanisation between HICs LICs and NEEs?</li><li>✓ How does urbanisation impact megacities?</li></ul>

# Year 9 Spanish Revision

Click below for sentence builders

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# Year 9 Religion, Philosophy and Ethics

**Exam paper information:** 1 paper - 50 minutes

## Key Topics to revise

Good and Evil

Epistemology and Metaphysics

Introduction to Ethics

Human Rights and Social Justice

Crime and Punishment

**Where to find revision resources?**

Resources will be uploaded to Teams