



A-Level

Full Course Guide

BG—A

brave generation
academy

Contents

BIOLOGY	3
BUSINESS STUDIES	5
CHEMISTRY	7
ECONOMICS	9
ENGLISH LANGUAGE & LITERATURE	11
ENGLISH LITERATURE	13
HISTORY	15
MATHS	17
PHILOSOPHY	19
PHYSICS	21
POLITICS	23
PSYCHOLOGY	25
SOCIOLOGY	27

A-Level Biology

Exam Code **7402**

Our A-Level Biology course aims to develop your understanding of how science contributes to the success of society.

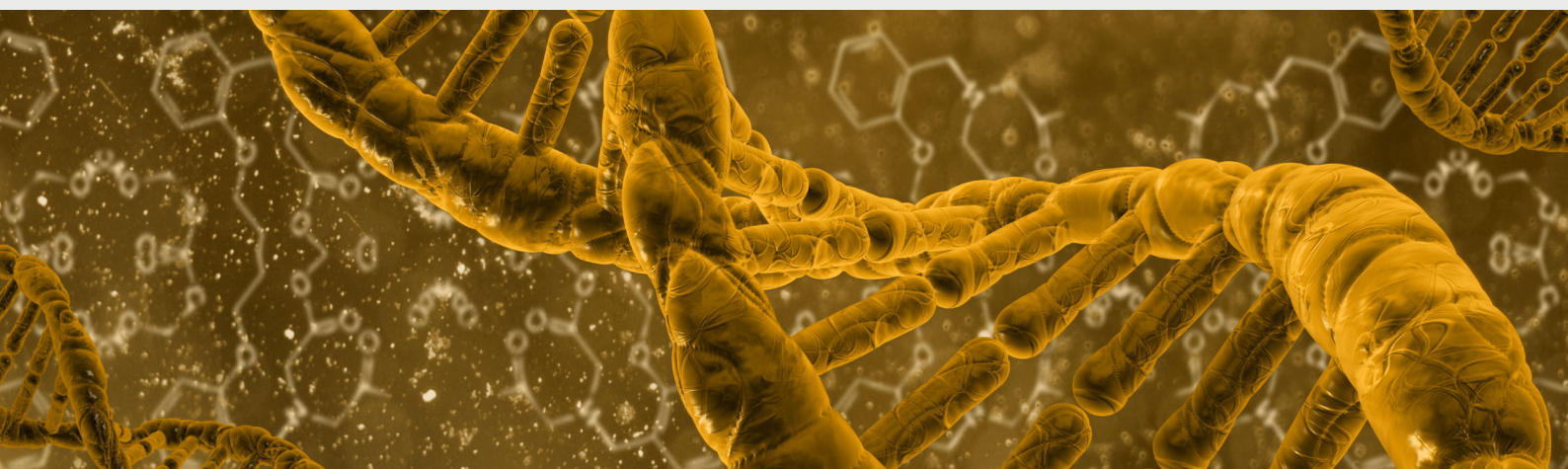
You will learn about different areas of biology and how they relate to each other. You will also gain skills, knowledge and understanding of how science works which will prepare you for further study.

Having a fundamental understanding of Biology helps build up research, problem solving, organisation and analytical skills. Biology is a key subject for lots of STEM careers, particularly in healthcare, medicine and jobs involving plants or animals.

Section	Marks	Course Overview - Skills
A	30	Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures
B	40	Apply knowledge and understanding of scientific ideas, processes, techniques and procedures in theoretical and practical contexts, when handling qualitative and quantitative data.
C	30	Analyse, interpret and evaluate scientific information, ideas and evidence in relation to making judgements and reaching conclusions, and to developing and refining practical design and procedures.

Our A-Level Biology course enables students to:

- ✔ Develop their interest in and enthusiasm for the subject, including developing an interest in further study and careers in the subject
- ✔ Appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society
- ✔ Develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of How Science Works
- ✔ Develop essential knowledge and understanding of different areas of the subject and how they relate to each other.



Course Overview

The course is structured into bite-sized parts:

Biological molecules

- ✓ Monomers and polymers
- ✓ Carbohydrates
- ✓ Lipids
- ✓ Proteins
- ✓ Nucleic acids
- ✓ ATP
- ✓ Water
- ✓ Inorganic ions

Cells

- ✓ Structure of eukaryotic cells
- ✓ All cells arise from other cells
- ✓ Transport across cell membranes
- ✓ Cell recognition and the immune system

Organisms exchange substances with their environment

- ✓ Surface area to volume ratio
- ✓ Gas exchange
- ✓ Digestion and absorption
- ✓ Mass transport
- ✓ Cell recognition and the immune system

Energy transfer in and between organisms

- ✓ Photosynthesis
- ✓ Respiration
- ✓ Energy and ecosystems
- ✓ Nutrient cycles

Genetic information, variation and relationships between organisms

- ✓ DNA, genes and chromosomes
- ✓ DNA and protein synthesis
- ✓ Genetic diversity can arise as a result of mutation or during meiosis
- ✓ Genetic diversity and adaptation
- ✓ Species and taxonomy
- ✓ Biodiversity within a community
- ✓ Investigating diversity

Organisms respond to changes in their internal and external environments

- ✓ Stimuli, both internal and external, are detected and lead to a response
- ✓ Nervous coordination
- ✓ Skeletal muscles are stimulated to contract by nerves and act as effectors
- ✓ Homeostasis is the maintenance of a stable internal environment nutrient cycles

Genetics, populations, evolution and ecosystems

- ✓ Inheritance
- ✓ Populations
- ✓ Evolution may lead to speciation
- ✓ Populations in ecosystems

The control of gene expression

- ✓ DNA alteration
- ✓ Gene expression is controlled by a number of features
- ✓ Using genome projects
- ✓ Gene technologies

A-Level Business Studies

Exam Code **9BS0**

Our A-Level Business Studies course aims to develop your understanding of organisations and their markets through looking at management and the process of decision making.

You will study business behaviour looking at different stakeholders perspectives and you will learn about several issues associated with business. You will also gain skills in decision making and problem solving through evaluation.

Studying Business will allow you to develop a broad understanding of business organisations and provides you with subject-specific knowledge in areas such as markets, customers, finance, operations, communication, information technology and business policy strategy.

Section	Marks	Course Overview - Skills
A	20	Demonstrate knowledge of terms, concepts, theories, methods and models to show an understanding of how individuals and organisations are affected by and respond to business issues.
B	25	Apply knowledge and understanding to various business contexts to show how individuals and organisations are affected by and respond to issues.
C	30	Analyse issues within business, showing an understanding of the impact on individuals and organisations of external and internal influences.
D	25	Evaluate qualitative and quantitative evidence to make informed judgements and propose evidence-based solutions to business issues.

Our A-Level Business Studies course enables students to:

- ✔ Develop a critical understanding of organisations, the markets they serve and the process of adding value. Including the internal workings and management of organisations.
- ✔ Be aware that business behaviour can be studied from the perspectives of a range of stakeholders including customers, managers, creditors, owners/shareholders and employees.
- ✔ Acquire a range of skills, including decision-making and problem solving in the light of evaluation and, where appropriate, the quantification and management of information
- ✔ Be aware of the current structure of business and business practice, as reflected in events and issues affecting organisations in different sectors and environments, recognising that they face varying degrees of competition.



Course Overview

The course is structured into bite-sized parts:

Marketing and people

- ✓ Meeting customer needs
- ✓ Market
- ✓ Marketing mix and strategy
- ✓ Managing people
- ✓ Entrepreneurs and leaders

Managing business activities

- ✓ Raising finance
- ✓ Financial planning
- ✓ Managing finance
- ✓ Resource management
- ✓ External influences

Business decision and strategy

- ✓ Business objectives and strategy
- ✓ Business growth
- ✓ Decision-making techniques
- ✓ Influences on business decisions
- ✓ Assessing competitiveness
- ✓ Managing change

Global business

- ✓ Globalisation
- ✓ Global markets and business expansion
- ✓ Global marketing
- ✓ Global industries and companies

A-Level Chemistry

Exam Code **7405**

Our A-Level Chemistry course aims to develop your understanding of how science contributes to the success of society.

You will learn about different areas of chemistry and how they relate to each other. You will also gain skills, knowledge and understanding of how science works which will prepare you for further study.

Chemistry can be useful in many different job families such as engineering and manufacturing, science and research, as well as medicine and nursing and environmental science.

Section	Marks	Course Overview - Skills
A	30	Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures.
B	40	Apply knowledge and understanding of scientific ideas, processes, techniques and procedures in theoretical and practical contexts, when handling qualitative and quantitative data.
C	30	Analyse, interpret and evaluate scientific information, ideas and evidence in relation to making judgements and reaching conclusions, and to developing and refining practical design and procedures.

Our A-Level Chemistry course enables students to:

- ✔ Develop their interest in and enthusiasm for the subject, including developing an interest in further study and careers in the subject
- ✔ Appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society
- ✔ Develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of How Science Works
- ✔ Develop essential knowledge and understanding of different areas of the subject and how they relate to each other.



Course Overview

The course is structured into bite-sized parts:

Physical chemistry

- ✓ Atomic structure
- ✓ Amount of substance
- ✓ Bonding
- ✓ Energetics
- ✓ Kinetics
- ✓ Chemical equilibria, Le Chatelier's principle and K_c
- ✓ Oxidation, reduction and redox equations
- ✓ Thermodynamics
- ✓ Rate equations
- ✓ Equilibrium constant K_p for homogeneous systems
- ✓ Electrode potentials and electromechanical cells
- ✓ Acids and bases

Inorganic chemistry

- ✓ Periodicity
- ✓ Group 2, the alkaline earth metals
- ✓ The halogens
- ✓ Properties of period 3 elements and their oxides
- ✓ Transition metals
- ✓ Reactions of the ions in aqueous solution

Organic chemistry

- ✓ Introduction to organic chemistry
- ✓ Alkanes
- ✓ Halogenoalkanes
- ✓ Alkenes
- ✓ Alcohols
- ✓ Organic analysis
- ✓ Optical isomerism
- ✓ Aldehydes & ketones
- ✓ Carboxylic acids and derivatives
- ✓ Aromatic chemistry
- ✓ Amines
- ✓ Polymers
- ✓ Amino acids, proteins and DNA
- ✓ Organic synthesis
- ✓ Nuclear magnetic resonance spectroscopy
- ✓ Chromatography

A-Level Economics

Exam Code **9ECO**

Our A-Level Economics course aims to provide you with an understanding of the economic and social environment.

Through studying this course you will develop an understanding of a range of concepts and learn how to apply them in different contexts.

You will learn to think like an economist, using an enquiring, critical and thoughtful approach in your study. You will also develop skills, qualities and attitudes which will prepare you for work.

The study of economics can help you on a variety of career paths. You might consider working in marketing, human resources or management. Studying business or economics can also lead to careers in almost any sector of industry, from banking to fashion, every company needs business minded individuals.

Section	Marks	Course Overview - Skills
A	25	Demonstrate knowledge of terms/concepts and theories/models to show an understanding of the behaviour of economic agents and how they are affected by and respond to economic issues
B	25	Apply knowledge and understanding to various economic contexts to show how economic agents are affected by and respond to economic issues
C	25	Analyse issues within economics, showing an understanding of their impact on economic agents
D	25	Evaluate economic arguments and use qualitative and quantitative evidence to support informed judgements relating to economic issues

Our A-Level Economics course enables students to:

- ✔ Develop an interest in and enthusiasm for the study of the subject
- ✔ Appreciate the contribution of economics to the understanding of the wider economic and social environment
- ✔ Develop an understanding of a range of concepts and acquire an ability to use these concepts in a variety of different contexts
- ✔ Use an enquiring, critical and thoughtful approach to the study of economics and develop an ability to think as an economist
- ✔ Develop skills, qualities and attitudes which will equip them for the challenges, opportunities and responsibilities of adult and working life.

Course Overview

The course is structured into bite-sized parts:

Introduction to markets and market failure

- ✓ Nature of economics
- ✓ How markets work
- ✓ Market failure
- ✓ Government intervention

The UK economy - performance and policies

- ✓ Measures of economic performance
- ✓ Aggregate demand (AD)
- ✓ Aggregate supply (AS)
- ✓ National income
- ✓ Economic growth
- ✓ Macroeconomic objectives and policies

Business behaviour and the labour market

- ✓ Business growth
- ✓ Business objectives
- ✓ Revenues, costs and profits
- ✓ Market structure
- ✓ Labour market
- ✓ Government intervention

A global perspective

- ✓ International economics
- ✓ Poverty and inequality
- ✓ Emerging and developing economies
- ✓ The financial sector
- ✓ Role of the state in the macroeconomy

A-Level English Language & Literature

Exam Code **9ELO**

Our A-Level English Language and Literature course aims to develop your ability to use linguistic and literary approaches in your reading and interpretation of texts.

Throughout your study of this course you will engage with a wide range of texts and learn to look for relationships between texts. You will also develop your language skills through independent study.

English Language and Literature is a course that builds strong analysis, writing and communication skills well as the ability to debate ideas, and is therefore an excellent addition to any combination of subjects. Journalism, law, publishing, PR and marketing are just a few of the many careers which depend on English.

Section	Marks	Course Overview - Skills
A	25	Apply concepts and methods from integrated linguistic and literary study as appropriate, using associated terminology and coherent written expression.
B	25	Analyse ways in which meanings are shaped in texts.
C	25	Demonstrate understanding of the significance and influence of the contexts in which texts are produced and received.
D	15	Explore connections across texts, informed by linguistic and literary concepts and methods.
E	10	Demonstrate expertise and creativity in the use of English to communicate in different ways.

Our A-Level English Language and Literature course enables students to:

- ✔ Use integrated linguistic and literary approaches in their reading and interpretation of texts
- ✔ Engage creatively and independently with a wide range of spoken, written and multimodal texts, exploring the relationships between texts

- ✔ Undertake independent and sustained studies to develop their skills as producers and interpreters of language.



Course Overview

The course is structured into bite-sized parts:

Component 1 - Voices in Speech and Writing

For this component, we will look at how voices are conveyed in texts. We will look at the Edexcel publication:

✔ *Voices in Speech and Writing: An Anthology*

and explore the way that the selected authors convey a sense of voice. We will then study a drama text. This will be:

✔ Arthur Miller's - *All My Sons*.

This component is assessed by a written exam, lasting 2 hours and 30 minutes. There will be two sections.

In **Section A**, you will answer a comparative essay question. This question will ask you to compare one of the texts that you have studied as part of the anthology with an unseen extract selected from 20th or 21st century sources.

In **Section B**, you will answer one extract-based question on our chosen drama text: *All My Sons*. You will be allowed to take a clean (unmarked) copy of the text into the exam with you.

The total number of available marks for the paper is 50. These are divided evenly between the sections so that **Section A** is worth a maximum of 25 marks and **Section B** is also worth a maximum of 25 marks.

Component 1 is worth 40% of the total A-Level.

Component 2 - Varieties in Language and Literature

For Component 2, we will be studying a range of texts based around the theme of Encounters. We will practice reading non-fiction prose texts on this theme. We will then study two literary texts. These texts will be:

✔ Emily Bronte - *Wuthering Heights*

✔ Angela Carter - *The Bloody Chamber*

This component is assessed by a 2 hour 30 minute written exam.

In **Section A**, you will answer a essay question on an unseen extract on the theme of encounters. This section will be worth 20 marks.

In **Section B**, you will answer a comparative essay question on our studied texts.

You will be allowed to take clean (unmarked) copies of the texts into the exam with you. This section will be worth 30 marks.

Component 2 is worth 40% of the total A-Level.

Coursework - Investigating and Creating Texts

For the coursework component of A-Level Language & Literature, you will study one non-fiction text and one fiction text. These texts will be thematically linked.

You will then complete two pieces of original writing. One will be a piece of fiction writing and one will be a piece of creative non-fiction.

You will also complete a separate analytical commentary that reflects on the texts that you have studied and the pieces of original writing that you have produced.

The Coursework Component is worth 20% of the total A-Level.

A-Level English Literature

Exam Code **9ETO**

Our A-Level English Literature course aims to encourage students to understand how narrative works, to look at genre and to learn about critical approaches to texts.

Students discover how central narrative is to the way literary texts work and they are introduced to the different aspects of genre. Encouraging wide and independent reading, the course also considers different types of critical approach and how texts can reflect cultural meanings.

English Literature is a highly regarded A level that can take students onto almost any course of study. It is an obvious choice for English degree courses but is also an excellent option for those considering arts and humanities subjects, languages, business and law.

Section	Marks	Course Overview - Skills
A	25	Articulate informed, personal and creative responses to literary texts, using associated concepts and terminology, and coherent, accurate written expression
B	25	Analyse ways in which meanings are shaped in literary texts
C	20	Demonstrate understanding of the significance and influence of the contexts in which literary texts are written and received
D	15	Explore connections across literary texts
E	15	Explore literary texts informed by different interpretations

Our A-Level English Literature course enables students to develop their interest in and enjoyment of literature and literary studies as they:

- ✔ Read widely and independently both set texts and others that they have selected for themselves
- ✔ Engage creatively with a substantial body of texts and ways of responding to them
- ✔ Develop and effectively apply their knowledge of literary analysis and evaluation in speech and writing
- ✔ Explore the contexts of the texts they are reading and others' interpretations of them
- ✔ Deepen their understanding of the changing traditions of literature in English.



Course Overview

The A-Level in English Literature has four components. These are as follows:

Component 1 - Drama

For this Component, you will study two dramatic comedies. These are:

- ✔ William Shakespeare - *Twelfth Night*
- ✔ Oscar Wilde - *The Importance of Being Earnest*

We will also look at a selection of essays by literary critics that examine *Twelfth Night*.

This component is assessed by a written exam, lasting 2 hours and 15 minutes. There will be two sections.

In **Section A**, you will answer one question (from a choice of two) on *Twelfth Night*. You will also use ideas from literary critics as part of your answer. This question will be worth a possible total of 35 marks.

In **Section B**, you will answer one question (from a choice of two) on *The Importance of Being Earnest*. This section will be worth a total of 25 marks.

You will be allowed to take clean (unmarked) copies of the dramatic texts into the exam with you. (So remember not to write anything on the texts themselves.)

Component 1 is worth 30% of the total A-Level

Component 2 - Prose

For Component 2, you will look at two prose works that are loosely based around a particular theme. The theme we will be looking at is Science and Society. The two prose works will be:

- ✔ Mary Shelley - *Frankenstein*
- ✔ Margaret Atwood - *The Handmaid's Tale*

This component is assessed by a 1 hour written exam.

You will answer one comparative question (from a choice of two) on our studied theme.

You will be allowed to take clean (unmarked) copies of the texts into the exam with you. (So remember not to write anything on the texts themselves.)

There will be a total of 40 marks available.

Component 2 is worth 20% of the total A-Level.

Component 3 - Poetry

For Component 3, we will be studying poetry. First, we will look at a selection of post-2000 poetry taken from:

- ✔ *Poems of the Decade: An Anthology of the Forward Books of Poetry.*

Second, we will study a named poetry collection. This will be:

- ✔ *Selected Poems of T.S. Eliot.*

This component will be assessed by written exam, lasting 2 hours and 15 minutes. There will be two sections. Each section will be worth 30 marks and there will be 60 marks available in total.

Section A (Post-2000 Poetry) - In this section, you will compare a named poem from the anthology to an unseen poem.

Section B (Poetry Collections) - In this section, you will answer an essay question on the *Selected Poems of T.S. Eliot*.

Component 3 is worth 30% of the total A-Level.

Coursework

For the coursework component of A-Level English literature, you will write one extended essay comparing two texts.

This essay will be between 2500-3000 words. There is a total of 60 marks available.

The coursework component is worth 20% of the total A-Level.

English Literature A-Level contains a coursework component. CloudLearn has made arrangements with our recommended exam centres for you to complete your coursework as a private candidate.

If you choose one of our recommended centres, then you should follow the coursework directions given in this course.

In this course will be studying two coursework texts: *Wuthering Heights* and *The Bloody Chamber*. You will then write a comparative essay of 2500-3000 words that compares an aspect of these two texts.

For most exam centres, the coursework deadline will be in May, but it can vary between centres. You should check your exam centre's coursework deadline when you register.

The Coursework Component is worth 20% of the total A-Level.

A-Level History

Exam Code **9HI0**

Our A-Level History course aims to develop your understanding of the significance of history.

You will learn about social, cultural, religious and ethnic diversity through your study of British and non British history and gain understanding of different identities within society. You will also develop your use of historical terms, concepts and skills and learn how to reflect and think critically.

History helps us understand change and how the society we live in came to be. The second reason history is inescapable as a subject of serious study follows closely on the first. The past causes the present, and so the future.

Section	Marks	Course Overview - Skills
A	55	Demonstrate, organise and communicate knowledge and understanding to analyse and evaluate the key features related to the periods studied, making substantiated judgements and exploring concepts, as relevant, of cause, consequence, change, continuity, similarity, difference and significance
B	20	Analyse and evaluate appropriate source material, primary and/or contemporary to the period, within its historical context
C	25	Analyse and evaluate, in relation to the historical context, different ways in which aspects of the past have been interpreted

Our A-Level History course enables students to:

- ✔ Develop their interest in and enthusiasm for history and an understanding of its intrinsic value and significance
- ✔ Acquire an understanding of different identities within society and an appreciation of social, cultural, religious and ethnic diversity through the study of aspects of British and non-British history
- ✔ Build on their understanding of the past through experiencing a broad and balanced course of study
- ✔ Improve as effective and independent learners and as critical and reflective thinkers with curious and enquiring minds
- ✔ Develop the ability to ask relevant and significant questions about the past and to research them
- ✔ Acquire an understanding of the nature of historical study, for example, that history is concerned with judgements based on available evidence and that historical judgements may be provisional
- ✔ Develop their use and understanding of historical terms, concepts and skills
- ✔ Make links and draw comparisons within and/or across different periods and aspects of the past
- ✔ Organise and communicate their historical knowledge and understanding in different ways, arguing a case and reaching substantiated judgements.

Course Overview

The course is structured into bite-sized parts:

Russia, 1917-1991: from Lenin to Yeltsin

- ✓ Russia, 1917-1991: from Lenin to Yeltsin
- ✓ The battle to succeed Lenin
- ✓ The economy under Stalin
- ✓ The purges or 'Great Terror'
- ✓ Education under Stalin
- ✓ Khrushchev and de-Stalinisation
- ✓ The Brezhnev era
- ✓ The Andropov and Chernenko era

Mao's China 1949-1976

- ✓ Mao's China 1949-1976
- ✓ Establishing communist rule, 1949-1957
- ✓ Agriculture, industry and the economy 1949-1965
- ✓ The cultural revolution and its aftermath 1966-1976
- ✓ Social and cultural changes, 1949-1976

Protest, agitation and parliamentary reform in Britain 1780-1928

- ✓ Protest, agitation and parliamentary reform in Britain, c1780-1928
- ✓ The 1832 'Great Reform Act': its origins and its legacy
- ✓ Build-up to the Second Reform Act 1867
- ✓ The suffragettes and the Women's Social and Political Union (WSPU)
- ✓ Further political reform: The Parliament Act of 1911
- ✓ Post-war Britain 1918-1928
- ✓ The social impact of World War One
- ✓ Stanley Baldwin and the Conservative Government 1924-1929
- ✓ Social and cultural changes, 1949-76

The Cold War, its development and its demise 1945-1990

- ✓ The beginning of post-war tensions
- ✓ The Cold War between 1949 and 1955
- ✓ Crises of the Cold War 1955-1970
- ✓ The failure of détente and the collapse of Communism between 1970 and 1989

Our A-Level Maths course aims to develop your understanding of mathematics and mathematical processes and develop your ability to reason logically.

Through your study of this course you will gain mathematical skills and techniques and learn how to apply them. You will learn about different areas of mathematics and how they connect to each other and you will also look at the relevance of mathematics in the world.

The reason why employers demand qualifications in mathematics is that those students are better at thinking logically and analytically. Through solving logical problems you develop resilience and are better able to think creatively and strategically.

Section	Marks	Course Overview - Skills
A	35	Recall, select and use their knowledge of mathematical facts, concepts and techniques in a variety of contexts
B	35	Construct rigorous mathematical arguments and proofs through use of precise statements, logical deduction and inference and by the manipulation of mathematical expressions, including the construction of extended arguments for handling substantial problems presented in unstructured form
C	10	Recall, select and use their knowledge of standard mathematical models to represent situations in the real world; recognise and understand given representations involving standard models; present and interpret results from such models in terms of the original situation, including discussion of the assumptions made and refinement of such models
D	10	Comprehend translations of common realistic contexts into mathematics; use the results of calculations to make predictions, or comment on the context; and, where appropriate, read critically and comprehend longer mathematical arguments or examples of applications
E	10	Use contemporary calculator technology and other permitted resources (such as formulae booklets or statistical tables) accurately and efficiently; understand when not to use such technology, and its limitations; give answers to appropriate accuracy

Our A-Level Maths course enables students to:

- ✔ Develop their understanding of mathematics and mathematical processes in a way that promotes confidence and fosters enjoyment;
- ✔ Develop abilities to reason logically and to recognise incorrect reasoning, to generalise and to construct mathematical proofs;
- ✔ Extend their range of mathematical skills and techniques and use them in more difficult unstructured problems;
- ✔ Develop an understanding of coherence and progression in mathematics and of how different areas of mathematics can be connected;
- ✔ Recognise how a situation may be represented mathematically and understand the relationship between 'real world' problems and standard and other mathematical models and how these can be refined and improved;
- ✔ Use mathematics as an effective means of communication;
- ✔ Read and comprehend mathematical arguments and articles concerning applications of mathematics;
- ✔ Acquire the skills needed to use technology such as calculators and computers effectively, to recognise when such use may be inappropriate and to be aware of limitations;
- ✔ Develop an awareness of the relevance of mathematics to other fields of study, to the world of work and to society in general;
- ✔ Take increasing responsibility for their own learning and the evaluation of their own mathematical development.

Course Overview

The course is structured into bite-sized parts:

Pure Maths

Overarching Themes (OT)

- ✓ OT1: Mathematical argument, language and proof
- ✓ OT2: Mathematical problem solving
- ✓ OT3: Mathematical modelling

Content Sections A-S

- ✓ A: Proof
- ✓ B: Algebra and functions
- ✓ C: Coordinate geometry in the (x,y) plane
- ✓ D: Sequences and series
- ✓ E: Trigonometry
- ✓ F: Exponentials and logarithms
- ✓ G: Differentiation
- ✓ H: Integration
- ✓ I: Numerical methods
- ✓ J: Vectors

Statistics

- ✓ K: Statistical sampling
- ✓ L: Data presentation and interpretation
- ✓ M: Probability
- ✓ N: Statistical distributions
- ✓ O: Statistical hypothesis testing

Mechanics

- ✓ P: Quantities and units in mechanics
- ✓ Q: Kinematics
- ✓ R: Forces and Newton's laws
- ✓ S: Moments

A-Level Philosophy

Exam Code **7172**

Our A-Level Philosophy course aims to develop your understanding of key philosophical concepts, themes, texts and techniques.

You will gain a range of transferable skills which can be applied beyond your study of philosophy. You will also develop the ability to reason, form opinions and express yourself to allow you to contribute to debates.

A-level Philosophy provides students with a broad introduction to the study of Philosophy. This specification is designed to develop a range of transferable skills which can be applied far beyond the study of Philosophy.

Section	Marks	Course Overview - Skills
A	60	Demonstrate knowledge and understanding of the core concepts and methods of philosophy, including through the use of philosophical analysis.
B	40	Analyse and evaluate philosophical arguments to form reasoned judgements.

Our A-Level Philosophy course enables students to:

- ✔ Develop a range of transferable skills which can be applied far beyond the study of Philosophy
- ✔ Help students gain a thorough grounding in key philosophical concepts, themes, texts and techniques
- ✔ Enable students to develop the ability to reason, form their own judgements, express themselves coherently and contribute to the process of debate
- ✔ Show students how to consider philosophical problems through the study of a key text.



Course Overview

The course is structured into bite-sized parts:

Epistemology

- ✔ What is knowledge?
- ✔ Perception as a source of knowledge
- ✔ Reason as a source of knowledge
- ✔ The limits of knowledge

Moral Philosophy

- ✔ Normative ethical theories
- ✔ Applied ethics
- ✔ Meta-ethics

Metaphysics of God

- ✔ The concept and nature of 'God'
- ✔ Arguments relating to the existence of God
- ✔ Religious language

Metaphysics of the Mind

- ✔ What do we mean by 'mind'?
- ✔ Dualist theories
- ✔ Physicalist theories
- ✔ Functionalism

A-Level Physics

Exam Code **7408**

Our A-Level Physics course aims to develop your understanding of how science contributes to the success of society. You will learn about different areas of physics and how they relate to each other. You will also gain skills, knowledge and understanding of how science works which will prepare you for further study.

Studying A-level physics doesn't restrict your options, it expands them. As well as being needed for many careers in science and engineering the skills and knowledge that you can develop by studying physics keeps the door open to doing just about everything else.

Section	Marks	Course Overview - Skills
A	35	Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedure.
B	40	Apply knowledge and understanding of scientific ideas, processes, techniques and procedures in a theoretical and practical context and when handling qualitative and quantitative data.
C	25	Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to make judgements and reach conclusions, develop and refine practical design and procedures.

Our A-Level Physics course enables students to:

- ✔ Develop their interest in, and enthusiasm for the subject, including developing an interest in further study and careers in the subject
- ✔ Appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society
- ✔ Develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of How Science Works
- ✔ Develop essential knowledge and understanding of different areas of the subject and how they relate to each other.



Course Overview

The course is structured into bite-sized parts:

Measurements and their errors

- ✔ Use of SI units and their prefixes
- ✔ Limitation of physical measurements
- ✔ Estimation of physical quantities

Particles and radiation

- ✔ Particles
- ✔ Electromagnetic radiation and quantum phenomena

Waves

- ✔ Progressive and stationary waves
- ✔ Refraction, diffraction and interference

Mechanics and materials

- ✔ Force, energy and moment
- ✔ Materials

Electricity

- ✔ Current electricity

Further mechanics and thermal physics

- ✔ Periodic motion
- ✔ Thermal physics

Fields and their consequences

- ✔ Fields
- ✔ Gravitational fields
- ✔ Electric fields
- ✔ Capacitance
- ✔ Magnetic fields

Nuclear physics

- ✔ Radioactivity

Astrophysics

- ✔ Telescopes
- ✔ Classification of stars
- ✔ Cosmology

A-Level Politics

Our A-Level Politics course aims to develop your critical thinking skills to allow you to interpret and evaluate the nature of politics.

Through studying this course you will gain knowledge and understanding of the political system of the United Kingdom and you will look at the differences between it and other political systems. You will also learn about the rights and responsibilities of the individual.

All members of society should have a better understanding of the general rules under which they live. For these rules to be effective, as many people as possible should actively participate in making them, upholding them and perhaps, changing them. This is what is meant by 'active citizenship'. A healthy society is a society in which many people participate in political activity and do so with insight and understanding.

Section	Marks	Course Overview - Skills
A	35	Demonstrate knowledge and understanding of political institutions, processes, concepts, theories and issues.
B	35	Analyse aspects of politics and political information, including in relation to parallels, connections, similarities and differences.
C	30	Evaluate aspects of politics and political information, including to construct arguments, make substantiated judgements and draw conclusions.

Our A-Level Politics course enables students to:

- ✓ Develop a critical awareness of the nature of politics and the relationship between political ideas, institutions and processes;
- ✓ Acquire knowledge and understanding of the structures of authority and power within the political system of the United Kingdom, and how these may differ from those of other political systems;
- ✓ Acquire knowledge and informed understanding of the rights and responsibilities of the individual;
- ✓ Develop an interest in and engagement with contemporary politics.



Course Overview

The course is structured into bite-sized parts:

Component A: UK Politics

1. Political Participation

- ✓ Democracy and participation
- ✓ Political parties
- ✓ Electoral systems
- ✓ Voting behaviour and the media.

2. Core Political Ideas

- ✓ Conservatism
- ✓ Liberalism
- ✓ Socialism.

Component B: UK Government

1. UK Government

- ✓ The constitution
- ✓ Parliament
- ✓ Prime minister and executive
- ✓ Relationships between the branches.

2. Non-core political ideas

- ✓ Anarchism
- ✓ Ecologism
- ✓ Feminism
- ✓ Multiculturalism
- ✓ Nationalism.

Component C: Comparative Politics - USA

- ✓ The US constitution and federalism
- ✓ US congress
- ✓ US presidency
- ✓ Us supreme court and civil rights
- ✓ Democracy and participation
- ✓ Comparative theories.

A-Level Psychology

Exam Code 7182

Our A-Level Psychology course aims to develop your understanding of how science contributes to the success of society. You will learn about different areas of psychology and how they relate to each other.

Through studying this course you will gain transferable skills of analysis, evaluation and critical thinking. You will also gain knowledge and understanding of how science works which will prepare you for further study.

Psychology is a fascinating area of study. It will help you understand human behaviour and mental processes and allow you to better understand how we think act and feel. Our psychology course look at some of the most important questions such as why do people act the way they do? What shapes our personality? How do we learn and change throughout our life?

Section	Marks	Course Overview - Skills
A	35	Demonstrate knowledge and understanding of psychological ideas, processes, techniques and procedure.
B	35	Apply knowledge and understanding of psychological ideas, processes, techniques and procedures in a theoretical and practical context and when handling qualitative and quantitative data.
C	30	Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to make judgements and reach conclusions, develop and refine practical design and procedures.

Our A-Level Psychology course enables students to:

- ✔ Develop their interest in and enthusiasm for the subject, including developing an interest in further study and careers in the subject
- ✔ Appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society
- ✔ Develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of How Science Works
- ✔ Develop essential knowledge and understanding of different areas of the subject and how they relate to each other.



Course Overview

The course is structured into bite-sized parts:

Introductory topics in psychology

- ✓ Social influence
- ✓ Memory
- ✓ Attachment
- ✓ Psychopathology

Psychology in context

- ✓ Approaches in psychology
- ✓ Biopsychology
- ✓ Research methods
- ✓ Scientific processes
- ✓ Data handling and analysis
- ✓ Inferential testing

Issues and options in psychology

- ✓ Issues and debates in psychology
- ✓ Relationships
- ✓ Gender
- ✓ Cognition and development
- ✓ Schizophrenia
- ✓ Eating behaviour
- ✓ Stress
- ✓ Aggression
- ✓ Forensic psychology
- ✓ Addiction

A-Level Sociology

Exam Code 7192

Our A-Level Sociology course aims to develop your knowledge and understanding of current social processes and social changes.

Through studying this course you will gain an understanding of the importance of theoretical and conceptual issues in sociological debate. You will also look at your own personal identity, roles and responsibilities within society.

Sociology is a good foundation subject as the knowledge you learn can be applied to all aspects of society. Sociology can lead to a job in teaching, social work, the police force etc.

Section	Marks	Course Overview - Skills
A	40	Demonstrate knowledge and understanding of sociological theories, concepts and evidence and sociological research methods.
B	30	Apply sociological theories, concepts, evidence and research methods to a range of issues
C	30	Analyse and evaluate sociological theories, concepts, evidence and research methods in order to present arguments, make judgements and draw conclusions.

Our A-Level Sociology course enables students to:

- ✓ Acquire knowledge and a critical understanding of contemporary social processes and social changes
- ✓ Appreciate the significance of theoretical and conceptual issues in sociological debate
- ✓ Understand and evaluate sociological methodology and a range of research methods through active involvement in the research process
- ✓ Develop skills that enable individuals to focus on their personal identity, roles and responsibilities within society
- ✓ Develop a lifelong interest in social issues



Course Overview

The course is structured into bite-sized parts:

Education with theory and methods

- ✓ Education
- ✓ Methods in context
- ✓ Theory and methods

Crime and deviance with theory and methods

- ✓ Crime and deviance
- ✓ Theory and methods

Topics in sociology

- ✓ Culture and identity
- ✓ Families and households
- ✓ Health
- ✓ Work, poverty and welfare
- ✓ Beliefs in society
- ✓ Global development
- ✓ The media
- ✓ Stratification and differentiation

Start your journey today



brave generation
academy

contact@bravegenerationacademy.com