



# Holly Lodge

11–19 Science College

Sixth Form Prospectus



# Contents

Welcome .....	3
Life in the Sixth Form .....	4
Enrichment .....	5
Attendance .....	5
16-19 Bursary.....	5
Private Study.....	5
Careers, Education and Guidance .....	5
Courses in the Sixth Form	
Choosing Courses .....	6
Courses in Sixth Form.....	7
Programme Options .....	7
Level 3 Courses	
Art and Design AS/A2 .....	8
Biology AS/A2.....	9
Business Studies AS/A2 .....	10
Chemistry AS/A2 .....	11
Communication and Culture Studies AS/A2.....	12
Economics AS/A2.....	13
English Literature AS/A2.....	14
Geography AS/A2 .....	15
BTEC Level 3 Subsidiary Diploma/Diploma in Health and Social Care.....	16
History AS/A2.....	17
BTEC Level 3 Subsidiary Diploma in ICT.....	18
LAW AS/A2.....	19
Mathematics AS/A2 .....	20
Media Studies AS/A2.....	21
BTEC Level 3 Subsidiary Diploma in Music and Music Technology.....	22
Physics AS/A2 .....	23
Psychology AS/A2 .....	24
BTEC Level 3 Subsidiary Diploma in Public Services.....	25
Religious Studies AS/A2 .....	26
Sociology AS/A2 .....	27
BTEC Level 3 Subsidiary Diploma in Sport .....	28
BTEC Level 3 Subsidiary Diploma in Travel and Tourism .....	29
BTEC Level 3 Award certificate in Work Skills .....	30
Level 2 Courses	
BTEC Level 2 Extended Certificate/Diploma in Health and Social Care...	31
BTEC Level 2 Diploma in Public Services.....	32

# Welcome

Deciding what to do post-16 can be both exciting and daunting. We hope that this information will make your decision easier.

Holly Lodge has established a thriving Sixth Form, and our aim is to meet your needs by offering both academic and vocational courses and extensive individual support, with opportunities to contribute to the real and varied life of the school.

As a committed student you will enjoy life in Holly Lodge 11-19 Science College Sixth Form. The prime aim for every student must be to improve his/her academic qualifications. All students are expected to show a degree of responsibility, commitment to their studies, maturity and self-discipline which befits people of their age. We expect all our students to maintain a high standard of conduct and attitude towards others.

At the heart of the Sixth Form lies a strong system of pastoral care; you will be assigned to a form tutor, one of a team who are on hand to support you in your studies, career and higher education decisions. We help all students to succeed in a supportive and friendly environment.

Whilst you will receive a great deal of support, you are expected to demonstrate qualities of self-motivation and diligence.

Your initial choice of subjects is important and will be discussed with you at an interview during the spring term. If you are not a current student at Holly Lodge there will be opportunities to visit the school to meet staff and students and to see something of the Sixth Form work and facilities on the day of your interview. You are most welcome to visit the school at any other time, but please ring Miss Dunn first to make an appointment.

If you are interested in applying for admission to the Sixth Form please complete an application form and return it as soon as possible.

**Mr A Mohammed**  
**Headteacher**



# Life in the Sixth Form

Life in the Sixth Form is a pleasant and enriching experience. It provides both a challenging and stimulating learning environment.

High standards are set for achievement and progress. Academic progress is monitored and reviewed.

The Sixth Form staff are well qualified and offer, a high degree of expertise, professionalism and commitment to their courses. In addition, the school is very well resourced with specialist rooms and facilities.

Your Sixth Form is housed in accommodation that includes the Open Learning Centre, equipped study areas, and the Common Room.



## Private Study

Students should be aware that Sixth Form programmes of study will require extra work outside of contact time; on average this means five hours private study per subject per week. Even if a specific homework task is not set, independent reading of textbooks to enhance knowledge and understanding is essential for success at this level. You will therefore need to be well organised to do private study well. Some non-contact time will be provided within your timetable.

## Enrichment

We have a wide range of enrichment and extra curricular activities to suit everyone, from supporting lower school classes to Leadership Awards in a variety of subject areas from Sport to Literacy and Numeracy, voluntary work that is relevant to your course of study, and First Aid. There are many opportunities for everyone to get involved in school life.

## Attendance

You are expected to attend all lessons in your programme of study in addition to assemblies, tutorial periods, Sixth Form activities and registration periods as directed by the Sixth Form team.

## 16–19 Bursary

In March 2011, the government announced a new 16–19 bursary fund scheme to provide financial assistance to those young people who face a financial barrier to continuing in education or training post-16. The scheme has been put in place as a partial replacement for the Education Maintenance Allowance, which closed to new applicants on 1st January 2011. The 16–19 bursary fund has been allocated by the Young People's Learning Agency (YPLA), the funding agency for 16–19 education and training.

Further information will be provided to you once you have enrolled in Sixth Form.

## Careers Education and Guidance

Careers Education and Guidance (including university applications) is provided by the Sixth Form Team and the school's IAG Co-ordinators.

Additional information about careers can be found in the Open Learning Centre.



# Choosing Courses

We currently offer a wide range of courses at Holly Lodge. Students follow a curriculum which suits their interests, their ability and their future aspirations.

Several things should be taken into account when choosing the subjects you are going to study in Year 12:

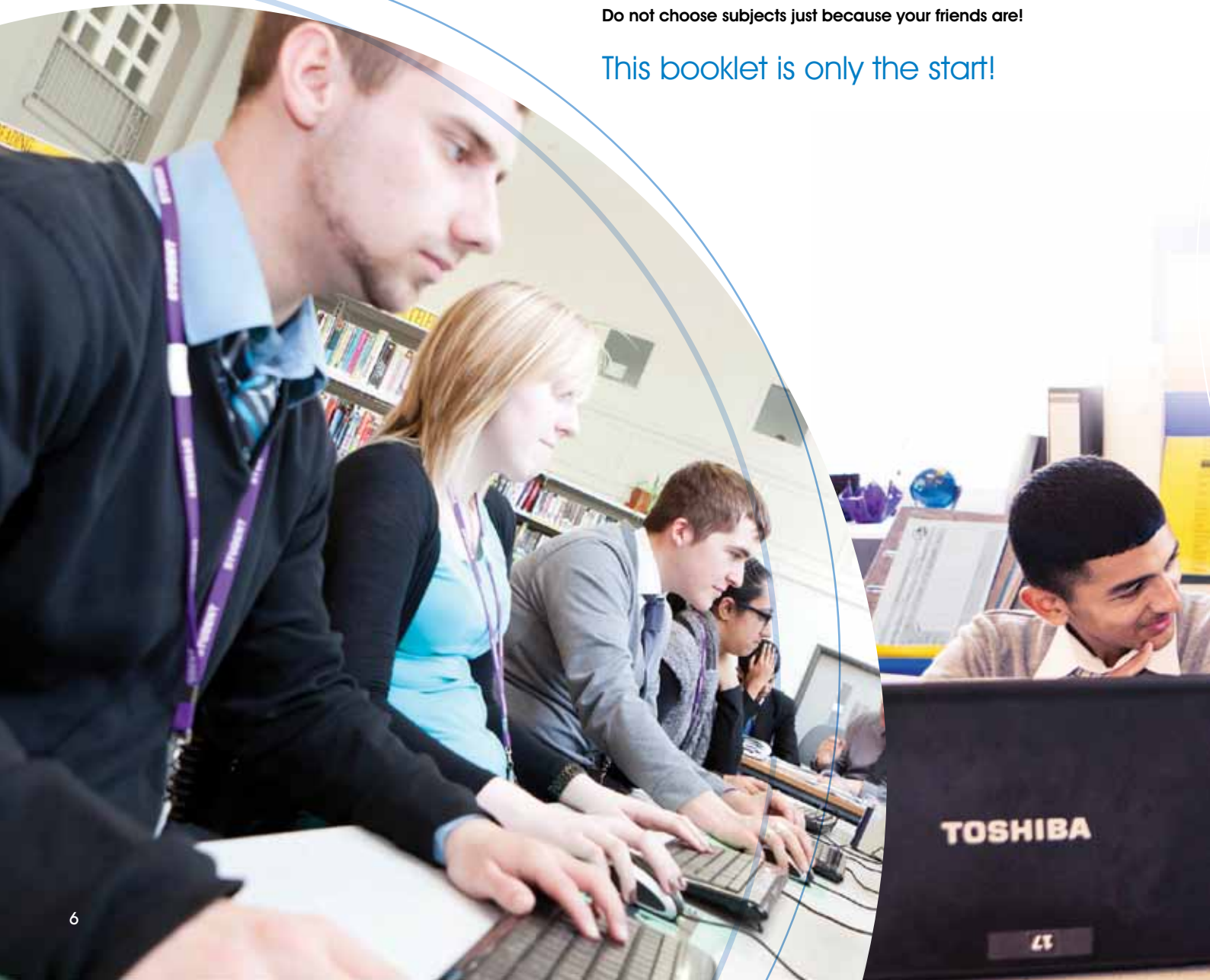
- You should choose the subjects you enjoy and are interested in. If you have an idea of a future career aspiration, you should choose subjects that are necessary to follow that path.
- You should choose subjects in which you think you will be successful.

Think about the assessment methods of different types of qualifications. Do you achieve better results in coursework or exams?

Make sure you find out as much information as you can about the subjects you wish to take. Speak to members of staff and other students who have taken the subjects.

**Do not choose subjects just because your friends are!**

**This booklet is only the start!**



## Courses in the Sixth Form

We have two levels of courses on offer in the Sixth Form:

### Level 3 Courses – AS/A Level or BTEC Level 3 Qualifications

These are for students that have achieved at least five GCSEs at grade C or above. To access the full Level 3 programme (four AS Levels or equivalent), students will also be expected to have gained at least C grades in both English and Mathematics. We do allow students to embark on Level 3 courses if they need to resit in GCSE English or Mathematics but recommend that they take three rather than four AS Levels in Year 12. Please note that some AS subjects require high GCSE grades i.e. As or Bs according to subject difficulty.

All Level 3 programmes are two years in length to gain full A Level or BTEC Level 3 accreditation. Level 3 programmes are usually followed by university entrance, further education, work-based training or employment.

### Level 2 Courses – BTEC First Qualifications

These are for students who have achieved less than five GCSEs at grade C or above but have gained a number of grades D or E. The courses focus upon gaining BTEC Level 2 First Qualifications in a subject of their choice, Work Skills and GCSE English and Mathematics.

All Level 2 programmes are one year in length.

Level 2 programmes are usually followed by Level 3 courses (as above) or further education or work-based training.

## Programme Options

### Level 3 Courses

Art, Biology, Business, Chemistry, Communication and Culture Studies, Economics, English Literature, Geography, Health and Social Care, History, ICT, Law, Maths, Media Studies, Music, Physics, Psychology, Public Services, Religious Education, Sociology, Sport, Travel and Tourism.

You should select four AS/A Level or BTEC subjects to study.

### Level 2 Courses

All Level 2 students study a core curriculum to include BTEC Level 2 Certificate in Work Skills, English and Maths (GCSE) and:

Either  
BTEC Level 2 Diploma in Health and Social Care  
Or  
BTEC Level 2 Diploma in Public Services

**Please note subjects will run subject to interest. Not all subject combinations are possible. Please see separate option block sheet.**



# Art and Design AS/A2

Examination Board: OCR

## What will I need?

Five GCSEs at grade A\* - C. At least grade C in GCSE Art

## What will I do?

The qualification will allow you the experience of working with a broad range of media including traditional and new media and technologies. You must have an interest in, enthusiasm for, and enjoyment of Art, Craft and Design. You will be required to work extensively at home/study time to develop and improve your ideas and techniques.

## Year 1 (AS Level)

### Coursework Portfolio

- You will produce a portfolio of work from various starting points.
- The focus will be on work that shows exploration, research, acquisition of techniques and skills.

### Controlled Assignment

- Candidates select one starting point from an early release question paper.
- Candidates are given a minimum of three weeks in which to plan and prepare.
- You will then sit a five hour exam to develop your ideas and outcomes.

## Year 2 (A2 Level)

### Personal Investigation

- You will submit one major project that has a personal significance.
- You will also need a related personal study between 1000—3000 words.
- Candidates will need to contact and interview an artist of your choice.

### Controlled Assignment

- Candidates will select one starting point from an early release question paper.
- You will be given at least three weeks to plan and prepare
- You will sit a 15 hours exam to realise your ideas into a final outcome or outcomes

## How will I be assessed?

You will be required to mount and display all your work. All work will be marked internally and moderated by an external assessor.

## What could I progress to?

Art offers the chance to study for a wide range of jobs, courses and degrees. Many skills you learn will be 'cross curricular' and will be of benefit to all courses in further education. If you choose an Art course or career the list is vast including opportunities in the Media, Fashion, IT and Advertising.



# Biology AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at grade A\* – C and a minimum grade B GCSE Science

## What will I do?

### Year 1 (AS Level)

AS Biology comprises of three units:

#### Unit 1: Biology and Disease

- The structure of biological molecules
- The structure of cells and how substances are exchanged
- The physiology of the gaseous exchange, digestive and heart and circulatory systems
- The causes of disease

#### Unit 2 : The Variety of Living Organisms

- Variation in living things
- DNA and chromosomes
- Cell division
- Genetic diversity

#### Unit 3 : Investigative and Practical Skills in AS Biology

### Year 2 (A2 Level)

A2 Biology comprises of three units:

#### Unit 4: Populations and Environment

- Investigating populations
- Respiration
- Photosynthesis
- Energy transfer and nutrient cycles
- Genetics

#### Unit 5: Control in Cells and in Organisms

- Nervous system
- Muscle contraction
- Homeostatic mechanisms in the human body
- Gene therapy
- Genetic fingerprinting

#### Unit 6: Investigative and Practical Skills in A2 Biology



## How will I be assessed?

- Units 1, 2, 4 and 5 are externally assessed through written examinations.
- Units 3 and 6 are externally set investigative tasks (ISAs) standardised by the examination board.

## What could I progress to?

Biology offers the chance to study for a whole range of jobs and courses which include Agriculture, Anatomy/Physiology, Bioinformatics/Biotechnology, Botany, Cell Biology, Conservation, Ecology, Environmental Science, Genetics, Marine Science, Medicine, Natural Resources, Nursing, Pharmacology, Toxicology, Veterinary Medicine and Zoology.

# Business Studies AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at grade A\*-C

## What will I do?

### Year 1 (AS Level)

AS Business Studies comprises two units:

#### Unit 1: Planning and Financing a Business

- Starting a Business - enterprise, protecting business ideas, conducting market research
- Financial Planning - calculating costs, revenues and profits, break-even analysis, budgets

#### Unit 2: Managing a Business

- Finance - using budgets, improving cash flow, measuring and increasing profit
- People in Business - organisational structures, effectiveness of workforce, recruitment and selection
- Operations Management - making operational decisions, product quality, using technology
- Marketing and the Competitive Environment - effective marketing, marketing mix

### Year 2 (A2 Level)

A2 Business Studies comprises two units:

#### Unit 3: Strategies for Success

- Functional objectives and strategies
- Financial strategies and accounts
- Marketing strategies
- Operational strategies
- Human resource strategies

#### Unit 4: The Business Environment and Managing Change

- Corporate aims and objectives
- Assessing changes in the business environment
- Managing Change

## How will I be assessed?

- Units 1, 2 and 4 are externally assessed through written examinations
- Unit 3 is externally assessed through a written examination based on an unseen case study

## What could I progress to?

Obtaining this qualification will allow for access to degree level courses or employment in a related area such as Sales, Accountancy, Retail, Finance, Law, Administration and Business Management.



# Chemistry AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at grade A\* – C and a minimum grade B GCSE Science

## What will I do?

### Year 1 (AS Level)

AS Chemistry comprises of three units:

#### Unit 1: Foundation Chemistry

- Atomic structure, bonding, periodic table, introduction to organics

#### Unit 2: Chemistry in Action

- Energetics, kinetics, equilibria, more complex organic compounds, analytical techniques

#### Unit 3: Investigative and Practical Skills in AS Chemistry.

### Year 2 (A2 Level)

A2 Chemistry comprises of three units:

#### Unit 4: Kinetic, Equilibria and Organic Chemistry

- Aromatic chemistry, polymers, amino acids, acids and bases, kinetics

#### Unit 5: Energetics, Redox and Inorganic Chemistry

- Thermodynamics, redox equilibria, transition metal compounds

#### Unit 6: Investigative and Practical Skills in A2 Chemistry

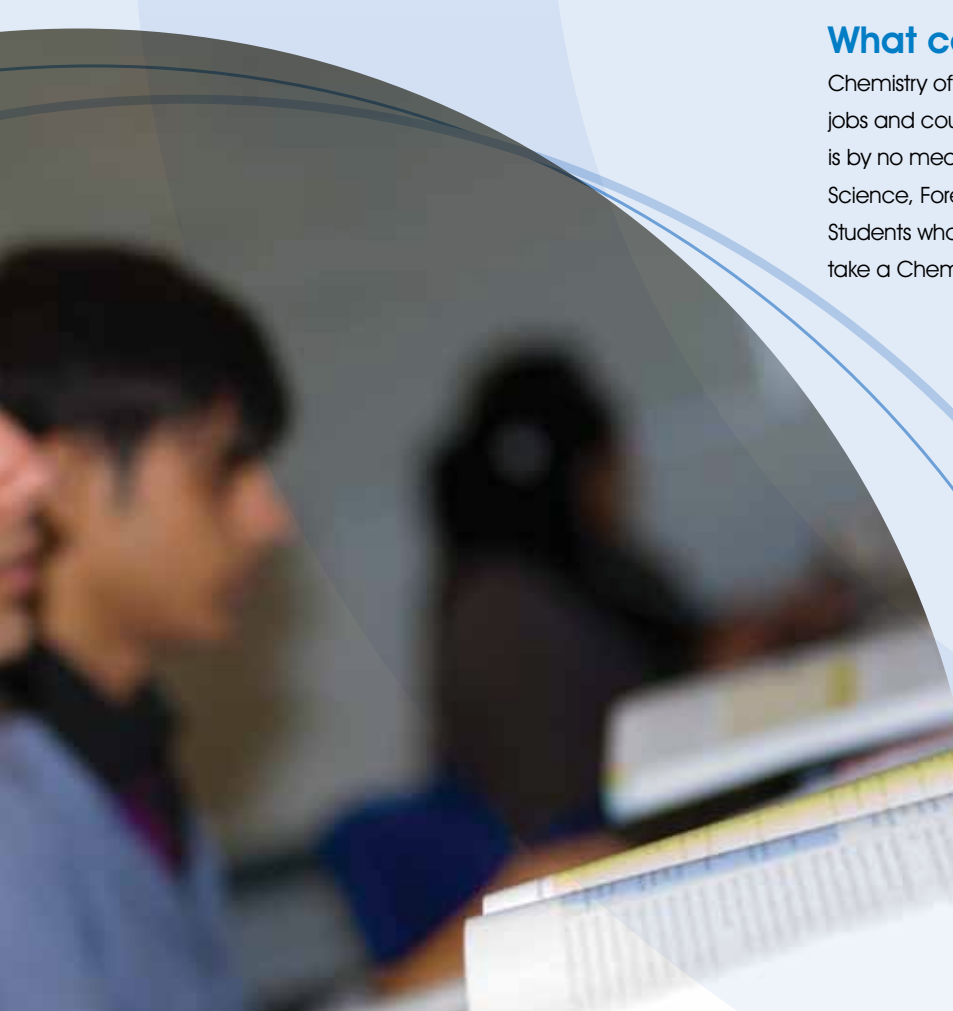
## How will I be assessed?

Units 1, 2, 4 and 5 are externally assessed through written examinations.

Units 3 and 6 are externally set investigative tasks (ISAs) standardised by the examination board.

## What could I progress to?

Chemistry offers students the chance to study for a range of jobs and courses. The following are some ideas but this list is by no means complete: Water Treatment, Environmental Science, Forensic Science, Industrial Science, Pharmacology. Students who obtain a pass grade at A Level can continue to take a Chemistry degree at a recognised university.



# Communication and Culture Studies AS/A2

Examination Board: AQA

## What will I need?

Five A\*-C GCSEs and a minimum of a grade B in English Language

## What will I do?

Communication and Culture is a wide-ranging subject which develops your own communication skills by studying many different types of communication in our culture. For example, you will learn to analyse body language, the spoken word, traditional printed and written texts, as well as modern forms of on-line media.

The subject includes important practical and creative elements: in AS you prepare an oral and visual presentation (using Powerpoint) and in A2 you are required to complete an independent research project producing a web-site to communicate your findings.

## Year 1 (AS Level)

**Unit 1: Understanding Communication and Culture (exam)**

**Unit 2: The Individual and Contemporary Culture (coursework)**

## Year 2 (A2 Level)

**Unit 3: Communicating Culture (exam)**

**Unit 4: Further Aspects of Personal, Social and Cultural Identities (coursework)**

## How will I be assessed?

Written exam is 50% of the total mark coursework is the other 50% of total mark for both AS and A2.

## What could I progress to?

Since communication is so central to our everyday lives, the course naturally includes aspects of many other subjects – English Language, Psychology, Sociology, ICT, Media, Health and Social Care, PE and Business Studies – all of which combine well with it at this level.

Most universities offer well established Communications and Cultural Studies courses, allowing clear progression to Higher Education. The course is ideal preparation for careers which involve large and varied amounts of communication; such as working within business organisations (e.g. personnel, Public Relations, Sales and Marketing) or working directly with the public (e.g. Teaching, the Police, Sports Coaching, the medical profession). It is also an excellent course for those wishing to pursue a career in the media or Journalism.



# Economics AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at grade A\*-C including a grade C or higher in English or Maths

## What will I do?

If you have an interest in knowing more about the way the world works, then Economics can provide you not only with the knowledge, but also with a toolkit to better make sense of the world.

## Year 1 (AS Level)

**Unit 1: Microeconomics and Macroeconomics**

**Unit 3: Competitive Behaviour, Macroeconomics and Globalisation 1**

## Year 1 (A2 Level)

**Unit 2: Theory and Policy**

**Unit 4: Macroeconomic Objectives**

**Macroeconomics and Globalisation 1 1**

## What goes well with Economics?

Economics is a well-respected academic subject that fits well in combination with a wide variety of other subjects, especially Maths, Geography and History, but also Sociology.

## How will I be assessed?

AS – short answer paper, data response paper, essay paper

A2 – short answer and synoptic essay paper, data response and essay paper

## What could I progress to?

Economics can be studied at university as a Single Honours subject or jointly with subjects such as Politics, Business or Languages. It is also well regarded by employers as a rigorous A Level, because of the analytical skills that it teaches.

Statistically, students with degrees in Economics on average command higher starting salaries out of university, and are more likely to make it into the 'elite' graduate jobs in areas such as Management Consultancy.



# English Literature AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at grade A\* - C (including English Literature)

## What will I do?

### Year 1 (AS Level)

#### Unit 1: Aspects of Narrative

- Four texts for study: two novels (at least one post 1990) and two poetry texts 1800-1945. The paper has two sections. Candidates answer one question from each section.

#### Unit 2: Dramatic Genres

- Minimum of two texts for study within dramatic genre of Tragedy.
- A portfolio of two pieces of written coursework (one may be re-creative) each 1200-1500 words.

### Year 2 (A2 Level)

#### Unit 3: Texts and Genres

- Minimum three texts for study including at least one text 1300-1800.
- Candidates choose one topic area for study: Elements of the Gothic, or Elements of the Pastoral. For each topic there will be two sections. Candidates answer one question from each section.

#### Unit 4: Further and Independent Reading

- Minimum of three texts for study including one pre-released anthology of critical material. A portfolio of two pieces of written coursework: comparative study of an aspect of two texts (1500-2000 words); an application of an aspect of pre-released critical anthology to a literary text (1200-1500 words).

## How will I be assessed?

Units 1 and 3 are assessed through written examinations  
Units 2 and 4 are assessed through written coursework

## What could I progress to?

Degrees and related courses in Law, Journalism, Management, Teaching, Theatre and Media.



# Geography AS/A2

**Examination Board: OCR**

## What will I need?

Five GCSEs at grade A\* - C. Geography GCSE would be an advantage but is not essential

## What will I do?

AS Geography is broken up into two units:

### Unit 1: Managing Change in Human Environments

- Managing urban change
- The energy issue
- The growth of tourism
- Managing rural change

### Unit 2: Managing Physical Environments

- River environments
- Coastal environments
- Hot arid and semi-arid environments
- Cold environments

A2 Units are global Issues and geographical Skills where students will need to refer to research and fieldwork they have carried out during the course.

Fieldwork is a vital part of A Level Geography. Although there is no coursework students need to have a clear understanding of the skills and techniques geographers need to be able to study people and environments.

## How will I be assessed?

At AS Level there are two exams (one for each unit).

At A2 there are also two exams. In the geographical skills students will be asked to write about the fieldwork they have carried out over the two years.

## What could I progress to?

Universities look on A Level Geography as an academic subject and will accept it as a qualification when you apply for a degree course. A Geography degree can lead on to many possible career choices including Environmental Management and Research, Tourism, Town Planning and Education.



# Health and Social Care

## BTEC Level 3 Subsidiary Diploma/Diploma

**Examination Board: Edexcel**

### What will I need?

5 GCSEs at grade A\* - C An interest in Health, Care or Early Years and a commitment to achieve

### What will I do?

Over a two year course you will cover six modules of work for the Award and 12 units of work for the Certificate.

#### Year 12 the modules will be:

- Developing effective communication in Health and Social Care
- Equality, diversity and rights in Health and Social Care
- Health, safety and security in Health and Social Care
- Plus for the certificate development through the life stages
- Personal and professional development in Health and Social Care (with 100 hours of placement over two years).
- Psychological and sociological perspectives for health and social care.

#### Year 13:

- Fundamentals of anatomy and physiology health education
- Caring for children and young people plus for the certificate
- Caring for older people and dementia care nutrition for Health and Social Care Environmental Health

### How will I be assessed?

There are no exams but for each module of work you will produce a portfolio of work. All work is assessed and goes towards your qualification. The certificate with 100 hours of placement will also be assessed by the Work Mentors.

### What could I progress to?

Students successfully completing the course will be in a very good position to progress to degree courses within Social Work, Nursing, Midwifery, Teaching, Public Health, Public Services, Environmental Sciences, Allied Professional Health Care.



# History AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at grade A\* - C including GCSE English

## What will I do?

### Unit 1: 'The Expansion and Challenge of Nationalism'

This allows students to study two periods of modern European History in breadth. The unit concentrates on the themes of nationalism and conflict with particular emphasis on both how and why ideas about nationhood emerged and developed in particular states and how, in some cases, nationalist ideas provided the stimulus for the development of fascist regimes. The unit enables students to understand the importance of the ideas and beliefs associated with nationalism and why nationalism and national identities are frequently contentious or problematic concepts. Students study the following sub-units:

- The collapse of the Liberal State and the triumph of fascism in Italy, 1896-1943
- From Second Reich to Third Reich: Germany, 1918-45

### Unit 2: 'British Political History in the 19th Century'

This gives students the opportunity to study British history in some depth. Grounded in an understanding of the relevant chronology, this option concentrates on key developments in 19th century British political history. It places particular emphasis on how and why franchise changes affected wider political developments including how pressure for change could influence both the structure and the role of government and political parties in a rapidly growing industrial society. Students study the following sub-unit:

- Britain, 1830-85: representation and reform

### Unit 3 and Unit 4:

#### War and Peace: 20th Century International Relations

- Dictatorship and revolution in Russia and the Soviet Union, 1825-2000

## How will I be assessed?

Coursework and examination

## What could I progress to?

The opportunities on offer for students with History A Level are numerous, not least the prospect of studying for a degree in History. Popular career choices for History graduates include: Solicitor or Barrister, Business and Financial professionals such as Accountants, Taxation Consultants, City Traders and Banking, Journalist, Teacher or Lecturer, Commercial, Industrial and Public Sector managers



# ICT BTEC Level 3 Subsidiary Diploma

**Examination Board: Edexcel**

## What will I need?

A BTEC First Certificate or Diploma in a related subject with an overall Merit grade and/or five GCSEs at grade A\* - C

## What will I do?

BTEC National Award is equivalent to one A Level which means once you have finished the course you can use the Award alongside A Level and other BTEC National Awards to go into Higher Education before going into employment in the IT industry.

The 360 guided learning hours (GLH) (six units) BTEC National Award offers a specialist qualification that focuses on particular aspects of employment within the appropriate vocational sector.

## Core Units

### Unit 1: Communication and Employability Skills for IT

This unit will equip you with key skills which employers need. Effective communication: discover how IT is used to aid communication.

Develop a personal plan to improve your employability skills for IT.

### Unit 2: Computer Systems

This unit will address some essential skill and knowledge required to understand hardware and software components of computer systems. Be able to undertake routine computer maintenance.

Specialist units (four units will be selected by negotiation with students from the list below):

- Information Systems
- Advanced Database Skills
- Advanced Spreadsheet Skills
- Computer Gaming
- Human Computer Interaction
- Operational Systems Security
- Website Production Management
- Digital Graphics and Computers
- E-commerce
- Networking Basics (Cisco CCNA1)

## How will I be assessed?

This course is 100% coursework. During this two year course students will aim to present this as an e-portfolio format.

The overall grade for the qualification will depend on the performance on each unit.

## What could I progress to?

BTEC National Awards are valued by employers and higher education (universities and colleges).

Students go into careers in many IT related disciplines as technicians and technical support and progress to professional status in their chosen field.



# Law AS/A2

## Examination Board: AQA

### What will I need?

Five A\*-C Grades at GCSE and a minimum of grade C in English Language GCSE is essential, together with the enthusiasm to develop an interest in the subject and in current affairs.

### What will I do?

#### Year 1 (AS Level)

How laws are made both in and outside Parliament by judges.

How disputes are settled, the work of the courts both civil and criminal, who appears in court, how cases are paid for, who decides the case, the alternatives to court based resolution

#### Liability

What is needed to prove criminal offences with particular reference to assault and other non-fatal offences and the sentences that can be imposed, what is needed to prove a civil case of negligence for personal injury and the way in which compensation is calculated, how contracts or agreements are made.

#### Year 2 (A2 Level)

You will build on this background by continuing further study of options such as:

Criminal Law - the offences of murder and manslaughter.

Civil Law of Tort - developing further the law of negligence relating to nervous shock and financial loss and the torts of nuisance and occupiers liability.

Contract Law - how a legally binding contract can be made and unmade.

The emphasis in the second year is on applying the law you have learnt to problem type situations to get you thinking and acting like a lawyer. You will also be encouraged to reflect on how the law works and how effective it is.



### How will I be assessed?

You will sit two exams in the first year leading to AS qualification. One of these papers will be taken in January and the other in June. At the end of the second year, for the A Level qualification, there will be a further two exams based on solving problems. There is no coursework in this subject. During both years it is intended that you will follow national legal cases and developments as this will bring to life much of the theory. As you become a more confident lawyer there will be greater scope for debates, arguments and the understanding of issues. You will be able to solve more legal problems and think like a real Lawyer.

### What could I progress to?

You should consider this subject if you are considering a career in Law, or perhaps you are intending to study Law at university, or you are keen to know your rights and responsibilities, or you are interested in studying a 'new' subject which has plenty of topical interest.

# Mathematics AS/A2

Examination Board: Edexcel

## What will I need?

Five GCSEs at grade A\*-C (including maths. Must have sat Higher Paper)

## What will I do?

Year 1 (AS Level) - comprises of three modules

### Module 1 - Core Mathematics 1

- Algebra and Functions 1
- Quadratic Functions
- Equations and Inequalities
- Sketching Curves
- Coordinate Geometry 1
- Sequences and Series
- Differentiation 1
- Integration 1

### Module 2 - Core Mathematics 2

- Algebra and Functions 2
- The Sine and Cosine Rule
- Exponentials and Logarithms
- Coordinate Geometry 2
- The Binomial Expansion
- Radian Measures and its Application
- Geometric Sequences and Series
- Graphs of Trigonometric Functions
- Differentiation 2
- Trigonometrical Identities and Equations
- Integration 2

### Module 3 - Statistics

- Mathematical Modelling
- Measures of Location/Spread
- Representation of Data
- Probability
- Correlation
- Regression
- Discrete Random Variables
- The Normal Distribution

Year 2 (A2 Level) - comprises of three modules

### Module 4 - Core Mathematics 3

- Algebraic Fractions
- Functions (Incl.
- The Exponential and Log Functions
- Numerical Measures
- Further Trigonometric Identities
- Differentiation 3

### Module 5 - Core Mathematics 4

- Partial Fractions
- Coordinate Geometry 3
- The Binomial Expansion
- Differentiation 4
- Vectors
- Integration 3

### Module 6 - Decisions

- Algorithms
- Graphs and Networks
- Algorithms on Graphs
- The Route Inspection Problem
- Critical Path Analysis
- Linear Programming
- Matchings
- Flows in Networks

## How will I be assessed?

All modules are externally assessed through written examinations.

The modules are of equal weighting and the results are combined to give an overall grade.

## What could I progress to?

Mathematics opens a huge door to a variety of careers including: Teacher, Statistician, Engineer, Pilot, Astronomer, Pharmacist, Investment Banker, Accountant, Physicist ... (to name a few)

# Media Studies AS/A2

**Examination Board: AQA**

## What will I need:

Five GCSEs at Grade A\*-C - You should have creativity, commitment, intelligence and enthusiasm and you will need GCSE grade C or above in English

## What will I do?

### Year 1 (AS Level)

The AS course consists of two units, one coursework unit (50%) and one external examination.

**Unit 1:** Foundation Portfolio (e.g. designing and producing pages for a magazine, with a blog or podcast that records your progress).

**Unit 2:** Key Media Concepts (including textual analysis of a TV drama)

### Year 2 (A2 Level)

The full A Level qualification consists of the two AS units and two further units.

**Unit 3:** Advanced Portfolio: Normally working with moving images.

**Unit 4:** Critical Perspectives: Theoretical evaluation of productions alongside a study of contemporary media issues.

Media is compatible with most subjects but goes particularly well with Art, English and any subjects using ICT skills.

## How will I be assessed?

In both the AS and A2 years of the course you will have a coursework folder project to submit and an exam to sit in the summer.

## What could I progress to?

Specific media related careers such as Journalism, Advertising, Television Production, as well as any career path which values creativity, teamwork skills, individual initiative and effective communication skills.



# Music and Music Technology

## BTEC Level 3 Subsidiary Diploma

### Examination Board: Edexcel

#### What will I need?

Five GCSEs A\*-C and some ability on an instrument, which could be keyboard from Year 7-9 lessons. Not everyone needs to have done Music in Year 10 and 11.

#### What will I do?

The qualification will equip you with the knowledge and skills to consider working in the Music Industry, teaching you to manage live sound and make successful digital recordings. You will learn about correct microphone choice, placement and recording techniques. We will use compression and equalization to sweeten the sound. We will look at tracking the individual instruments and mixing down to a high quality stereo master. You will also improve your technique on your own instrument and everyone will improve their keyboard skills. Everyone will be trying to develop a producer's ear for detail.

#### Core Units

- Creating a music product
- Planning a music recording
- Sound recording techniques

#### Specialist Units

- Audio engineering
- Computer music systems
- Introduction to acoustics
- Listening skills for musicians
- Music technology in performance
- Operating live sound
- The music freelance world
- The sound and music industry

#### How will I be assessed?

There are no exams but students must produce a portfolio of work, which is built up over the two year course to include projects, assessments and practical activities.

#### What could I progress to?

You could study Music Technology at university. BTEC music is called a vocational qualification. This means that it's all to do with getting the skills you need to get a job.

When universities and employers are looking at who they take on, the big thing they all want is CREATIVITY. Doing Music increases your creativity. Creativity is about thinking on your feet, having great ideas, producing something out of nothing, taking risks and imagining things no-one else could. Music does all of these. Creative people are needed in Business, ICT, Teaching, Care work, Nurses, Doctors, Lawyers, Architecture. If you want to get one of these jobs, you need to show that you are creative. Taking Music does this for you.



# Physics AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at grade A\* - C and a minimum of grade B GCSE Science and Maths.

## What will I do?

### Year 1 (AS Level)

**AS Physics comprises of three units:**

#### Unit 1: PHYA1 Particles, quantum phenomena and electricity

- Written examination – six or seven structured questions 1¼ hours
- 40% of the total AS marks
- 20% of the total A Level marks Available January and June

#### Unit 2: PHYA2 Mechanics, materials and waves

- Written examination – six or seven structured questions 1¼ hours
- 40% of the total AS marks
- 20% of the total A Level marks Available January and June

#### Unit 3: Investigative and practical skills in AS Physics

### Year 2 (A2 Level)

**A2 Physics comprises of three units:**

#### Unit 4: PHYA4 Fields and further mechanics

- Written Examination – 1¾ hours
- Section A is 25 multiple choice questions, each worth one mark.
- Section B is a written paper of four/five structured questions and consists of 50 marks.
- 20% of the total A Level marks available January and June

#### Unit 5: One of units PHA5A, PHA5B, PHA5C, PHA5D

- Written examination – (75 marks/120 UMS) 1¾ hours
- Section A: Nuclear and Thermal Physics – 40 marks –
- Compulsory section four/five structured questions
- Section B: one of the following options.
- Each paper has four/five structured questions and 35 marks.

#### Options:

- A – Astrophysics
- B – Medical Physics
- C – Applied Physics
- D – Turning Points in Physics

20% of the total A Level marks (Section A 10%, Section B 10%) available June only

#### Unit 6: Investigative and Practical Skills in A2 Physics

## How will I be assessed?

- Units 1, 2, 4 and 5 are externally assessed through written examinations.
- Units 3 and 6 are externally set investigative tasks (ISAs) standardised by the examination board

## What could I progress to?

Physics offers students the chance to study for a range of jobs and courses. The following are some ideas but this list is by no means complete Engineer, Research Scientist, Medical Physics, Teacher, Careers in optics, Astronomy and Space Physics, the energy industry etc. Students who obtain a pass grade at A Level can continue to take a physics degree at a recognised university.

# Psychology AS/A2

Examination Board: AQA

## What will I need?

Five GCSEs at Grade A\*-C

## What will I do?

### Year 1 (AS level)

AS Psychology comprises of two units:

#### Unit 1: Cognitive Psychology, Developmental Psychology and Research Methods.

- Cognitive psychology, including memory and eyewitness testimony
- Developmental psychology, including early social development, attachment and the effects of day care
- Research methods, in the context of the topic areas

#### Unit 2: Biological psychology, social psychology and individual differences.

- Biological psychology, including stress, factors affecting stress, coping with stress and managing stress
- Social psychology, including conformity, obedience and independent behaviour
- Individual differences, including definitions of abnormality, approaches and therapies

### Year 2 (A2 level)

A2 Psychology comprises of two units:

#### Unit 3: Topics in Psychology.

##### Subject Content

Three from:

- Biological rhythms and sleep
- Perception
- Relationships
- Aggression
- Eating behaviour
- Gender
- Intelligence and learning
- Cognition and development

#### Unit 4: Psychopathology, psychology in action and research methods

#### Subject content

- Psychopathology– knowledge and understanding of models,
- classification, diagnosis and therapies in relation to one disorder chosen from:
  - Schizophrenia
  - Depression
  - Anxiety disorder
- Psychology in action– one contemporary issue chosen from:
  - Media psychology
  - The psychology of addictive behaviour
  - Anomalistic psychology
- Psychological research and scientific method

## How will I be assessed?

All units are assessed through external written examinations. (January and June)

- There is no coursework assessment for psychology

## What could I progress to?

There are numerous specialty areas in Psychology, offering a wide range of career options. Some fields concentrate on research, while others focus on practical applications of psychological principles. Specific specialty areas in psychology include Clinical Psychology, educational Psychology, Industrial-Organizational Psychology, and Social Psychology.

# Public Services

## BTEC Level 3 Subsidiary Diploma

**Examination Board : Edexcel**

### What will I need:

Five GCSEs at grades A\*- C in any subject

### What will I do?

This advanced level programme has been specifically designed as an interactive preparation for Public or Emergency Service e.g. Police, Fire, Ambulance Service, the Armed Forces, Prison Service and HM Revenue and Customs. The course is a mixture of academic and physical units that will provide insight into what is required both physically and mentally to work as a public servant. Work in the Public Services is varied, exciting, demanding, responsible and vitally important.

You will study three mandatory units, which are:

- Leadership and Teamwork in the Public Services
- Citizenship, Diversity and the Public Services
- Government Policies and the Public Services

You will also study between two-four optional modules, which are likely to be practical and some in the form of a residential course. Some basic fees will therefore apply. Students will therefore require a basic level of fitness. Students who choose this course are also required to purchase a public Services kit to wear for practical lessons.

### How will I be assessed?

A variety of assessment methods are used within the units including individual research, group work, projects work, oral presentations, visual displays and written papers. There is no final written examination as you achieve your qualification through continuous assessment, achieving grades Pass, Merit and Distinction.



### What could I progress to?

Students can progress into employment, and the structured preparation for entry into a Public/Emergency service is one of the main themes of the programme. The wide range of subject areas within the programme provides a qualification that may be applied in a multitude of employment areas both in and outside of the Public Services sector such as local authority or security work.

# Religious Studies AS/A2

Examination Board: Edexcel

## What will I need?

Five GCSEs at Grade A\*–C.

## What will I do?

### Year 1 (AS Level)

#### Unit 1: Religious Studies: Foundations:

Students will study foundations of Islam and Sikhism. Key beliefs and practises within both faiths and how these affect lives of believers.

#### Unit 2: The Study of Religion:

There is focus on the structure, nature and role of the faith community, challenges facing the practice of religion today, attitude towards different relationships and interfaith dialogue.

### Level 2 (A2 Level)

#### Unit 3: Religious Studies, Development: Islam and Sikhism.

This unit builds on knowledge understanding and skills developed in AS unit 1, foundations.

#### Unit 4: Implications:

What are the Implications/ consequences for Muslims and Sikhs holding certain opinions, views or beliefs. RS anthology provided and to be used to justify and evaluate beliefs.

#### Assessment:

For AS units there is an exam of 1 hour 15 min for unit 1 and exam of 1 hour and 45 min for unit 2. For A2: it is the same amount of exam time as AS.

**Why study Religious Studies**, it goes well with most subjects, in particular other Humanities subjects like Geography and History. It is also a perfect partner for Psychology and Sociology. Other students take English, Art or Health and Social Care.

## What could I progress to?

Religious Studies is quite a versatile and important subject, as it deals with people's beliefs. It is particularly useful if you consider a career in Teaching, Journalism, Social Work, Nursing and Law to say just a few.



# Sociology AS/A2

**Examination Board: AQA**

## What will I need?

Five GCSEs at grade A\*-C

## What will I do?

AS level Sociology comprises of two units:

- Unit 1 Families and Households
- Unit 2 Education with Sociological Research Methods

## How will I be assessed?

### Unit 1 Families and Households –

Written paper 1 hour – 40% of mark

Candidates answer one question. Each question consists of five parts.

### Unit 2 Education with Sociological Methods.

Written paper 2 hours – 60% of mark.

Candidates answer:

- One question on education which consists of four parts.
- One question on sociological research method in the context of education This question consists of one part.
- In addition, candidates answer one question on a free standing research methods which consists of four parts.

## What will I progress to?

Sociology will provide a solid foundation for a career in the field of social sciences. It is a great choice of subject for people who want a career in social work, nursing or medicine. The subject is also useful in a number of other careers like Marketing, Advertising, PR, Journalism, Law or Teaching.



# Sport BTEC Level 3 Subsidiary Diploma

Examination Board: Edexcel

## What will I need?

Five GCSEs at grade A\* – C

## What will I do?

The qualification will equip you with the knowledge and skills needed to consider a successful career in the sport/recreation/leisure industry.

The course is designed to be adaptable to your needs, interests and career aspirations and consists of three compulsory core units plus a choice of three units from a variety of specialist areas (which totals 360 guided learning hours).

### Core units (all units must be taken)

- The Body in Action
- Health and Safety in Sport
- Training and Fitness for Sport

### Specialist units (three units to be chosen)

- Sports Coaching
- Sports Development
- Fitness Testing for Sport and Exercise
- Practical Team Sports
- Practical Individual Sports
- Outdoor and Adventurous Activities
- Sport and Society
- Leadership in Sport
- Exercise, Health and Lifestyle
- Working with Children in Sport
- Work-based Experience in Sport
- Principles and Practices in Outdoor Adventure

### Assessment:

There are no exams, but students must produce a portfolio of work, which is built up over the two-year course to include projects, assessments and practical activities.

### Progression routes

Students successfully completing the course can progress onto a Higher National Diploma, Foundation Degree or a degree course in for example, Sports Development, Health and fitness, Sports Coaching, PE Teaching, Sports Science, Sports Psychology, Sports Management or Sports Medicine.



# Travel and Tourism

## BTEC Level 3 Subsidiary Diploma

Examination Board: Edexcel

### What will I need?

Five GCSEs at grade A\* – C

### What will I do?

The qualification will equip you with the knowledge and skills needed to consider a successful career in the Tourism Industry.

The course is designed to be adaptable to your needs, interests and career aspirations and consists of four compulsory core units plus a choice of two units from a variety of specialist areas (which totals 360 guided learning hours).

#### Core units (all units must be taken)

- **Investigating Travel and Tourism** - where you will find out about different travel and tourism organisations and recent developments in the industry.
- **The Business of Travel and Tourism** - you will explore real organisations and consider such things as financial performance and cash flow forecasts.
- **The UK as a Destination** - you will look at attractions and what the UK can offer tourists from this country and from abroad.
- **Customer Service in Travel and Tourism** - this includes examining the benefits of good customer service and an investigation of two different organisations.

#### Specialist units (two units to be chosen)

- **Preparing for Employment in the Travel and Tourism Industry** - This unit gives you an insight into the types of careers that are available in the Travel and Tourism Industry.
- **The European Travel Market**
- **Long-haul Travel Destinations**
- **Retail and Business Travel Operations** - This unit focuses on the various ways in which retail and business travel agents work.
- **Current Issues in Travel and Tourism** - A look at current issues in the Industry for example, terrorism, economic downturn and adventure tourism.



### How will I be assessed?

There are no exams, but students must produce a portfolio of work, which is built up over the two-year course to include projects, assessments and practical activities.

### What could I progress to?

Students successfully completing the course can progress onto a Higher National Diploma, Foundation Degree or a degree course in for example, Tourism, Tourism Business Management, Adventure Tourism Management, Tourism Planning, Leisure Tourism or Sports Tourism.

# Work Skills BTEC Level 3 Subsidiary Diploma

Examination Board: Edexcel

## What will I need?

Five A\*-C Grades at GCSE

## What will I do?

Work Skills Plus shows students how to relate their personal skill-set to potential employment scenarios at every stage, so they understand what an employer/university is looking for and how to supply it. In addition, units such as 'Managing a Work/Life Balance' and 'Skills for a Portfolio Career' help students to consider how life choices and lifestyle will affect their future.

### A sample of units

- Strategies to Improve Job Interview Skills
- Personal Skills for Leadership
- Presentations for Work
- Skills for Starting a Business
- Planning Professional Development
- Career Development
- Maximising Potential when Applying for a Job.

## How will I be assessed?

There are no examinations for this course, it is 100% coursework.

Deadlines are crucial and must be met. A variety of assessment methods will be used report writing, presentations, practical assessment, role plays, team building activities, keeping a diary.

## What could I progress to?

Upon completing this course students will gain an AS Level that will help students who wish to go onto work, or will give valuable UCAS points for university applicants.



## LEVEL 2 Courses

# Health and Social Care

## BTEC Level 2 Extended Certificate/Diploma

Examination Board: Edexcel

### What will I need?

An interest in Health, Care or Early Years and a commitment to achieve.

### What will I do?

**You will study six modules of work over one year. The modules are:**

- Communication and Individual Rights within the Health and Social Care Sector
- Individual Needs within the Health and Social care Sectors.
- Human Lifespan Development
- Health and Social Care Sectors.
- Anatomy and Physiology for Health and Social Care
- The Impact of Diet on Health

### How will I be assessed?

There are no exams but for each unit of work you will produce a portfolio of work. All work done is assessed and goes towards your qualification.

### What could I progress to?

With a Merit you could progress to BTEC National qualifications or other First Awards in other subjects.



# Public Services BTEC Level 2 Diploma

## Examination Board: Edexcel

### What will I need?

Four GCSEs at grade D

### What will I do?

Public services allows learners to look at and study the following services: Police, Fire Service, Ambulance, Prison Service, Armed Forces - Army, Navy, Air Force.

#### Compulsory units

- Public Service Skills
- Career Planning for the Public Services
- Improving Health and Fitness for Entry to the Uniformed Public Services Employment in the Uniformed Public Services

#### Optional units

- Citizenship, the Individual and Society
- Health and Safety in the Public Service Workplace
- Adventurous Activities and Teamwork for the Public Services
- Sport and Recreation in the Public Services
- Land Navigation by Map and Compass
- Law and its Impact on the Individual in Public Services
- Crime and its Effects on Society
- Community and Cultural Awareness
- Expedition Skills in Public Services
- Security Procedures in the Public Services
- ICT and the Public Services

### How will I be assessed?

There are no examinations for this course, it is 100% coursework.

Deadlines are crucial and must be met. A variety of assessment methods will be used report writing, presentations, practical assessment, role plays, team building activities, keeping a diary.

### What could I progress to?

Upon completing this course students will gain an equivalent of four A\*-C grades. Students can then progress onto the Level 3 Public Services programme and if successful with GCSE English and Maths you can progress to a full four AS Level programme.



## Notes





# Holly Lodge

## 11–19 Science College

Miss K Dunn, Director of Key Stage 5

Tel: 0121 558 0691

Fax: 0121 558 6136

Web: [www.holly-lodge.org](http://www.holly-lodge.org)

Email: [info@holly-lodge.org](mailto:info@holly-lodge.org)

Holly Lane  
Smethwick  
West Midlands  
B67 7JG