

Newtownhamilton High School



Information Booklet on GCSE Courses

CONTENTS

GCSE Agriculture and Land Use

GCSE Art and Design

GCSE Business Studies

GCSE Design and Technology

GCSE Digital Technology (ICT)

GCSE English Language

GCSE English Literature

GCSE Food and Nutrition (HE)

GCSE French

GCSE Further Mathematics

GCSE Geography

GCSE History

GCSE Mathematics

GCSE Motor Vehicle and Road User Studies

GCSE Physical Education

GCSE Religious Studies Full Course

GCSE Religious Studies Short Course

GCSE Science Double Award

GCSE Science Single Award

GCSE Agriculture and Land Use



Agriculture and Land Use is an applied subject and aimed at students who have interests in Agriculture, Horticulture or Veterinary Science as it provides an excellent opportunity to gain an insight into these and other land based careers. In Northern Ireland 75% of land is used for agriculture with the agric-food industry employing 50,000 people.

How will it be Assessed?

Theory

Unit 1: Soils, Crops and Habitats: Written exam worth **25%**
Unit 2: Animals on the Land: Written exam worth **25%**

Controlled Assessment Task 1

Practical Investigation Task

- Choice from one of three topics. **20%** weighting and 1000 word limit.

Controlled Assessment Task 2

Research Project

Choice from one of three topics. **30%** weighting and 1500 word limit

What will I study and when?

Year 11: Term 1

- Composition of Soils
- Horticulture
- Plant Biology



Year 11: Term 2

- Crop Production
- Care & Management of the Countryside
- Renewable Energy and Climate Change



Year 11: Term 3

- Careers
- Exam Preparation
- Practical Investigation (CA1)

Year 12: Term 1

- Livestock Farming
- Breeding and Reproduction
- Health and Welfare
- Nutrition



Year 12: Term 2

- Research Investigation (CA2)
- Food Production and Processing



Year 12: Term 3

- Farm Economics
- Farm Health and Safety
- Pollution and Farm Waste



What will I study and when?

You will follow an integrated, critical, practical and theoretical study of Art and Design. You will also develop an appreciation of the work of artists, designers and crafts people. You can produce work in 2D, 3D, fine art, craft and design.

How will it be Assessed?

Unit 1: 60%

Part A: (25%) Exploratory Portfolio

Students demonstrate the formal visual elements through practical skills. You will explore media, techniques and processes in two disciplines.

Part B: (35%) Investigating the Creative and Cultural Industries
Internally set work to a design brief working towards a final piece.

Unit 2: 40%

Externally Set Assignment (40%)

CCEA will set and issue a stimulus (word or theme) in January of the year of examination. You will spend at least **20 hours** producing preparatory work. You will produce a final outcome within a set period of **10 hours**. Both units are assessed by your teacher and moderated by CCEA.

Year 11: Term 1

Part A:

You will explore the formal visual elements through practical skills in two discipline areas.

Year 11: Term 2

Finish Part A by producing a sketch book of work.

Begin Part B: Working to a design brief. You will build on all that you have learned in Part A.

Year 11: Term 3

Continue working on Part B: Design Brief.

Year 12: Term 1

You will complete your design brief and final piece by Christmas (Worth 60%).

Year 12: Term 2

Externally Set Assignment (Exam worth 40%)

You will be given a word or theme (set by CCEA) to creatively investigate using a range of media, materials, processes and techniques to develop your ideas and produce a final outcome in fine art, craft or design in either 2D or 3D.

Year 12: Term 3

Display:

You will put up your work from Unit 1 and Unit 2 to be displayed for moderation by your teacher and CCEA.



What will I study and when?

Business Studies will encourage you to develop a lifelong interest in and enjoyment in business subjects. You will develop and apply your knowledge, understanding and skills to understand today's issues in local, national and global contexts.

How will it be Assessed?

Unit 1: 40%

External written examination:- 1 hour 30 minutes

Unit 2: 40%

External written examination:- 1 hour 30 minutes

Unit 3 CAT: 20%

Planning A Business

You will complete one task which will be released in September of Year 12. This consists of a research task [Booklet A - 5%] and a structured report-writing task [Booklet B - 15%].

Year 11: Term 1

Unit 1:

Creating a Business: Enterprising, Business Ownership, Location, Aims & Objectives, Stakeholders

Business Operations: Production

Homeworks will be given on a weekly basis. Pupils will be expected to revise classwork on a weekly basis.

Year 11: Term 2

Unit 1:

Business Operations (contd): Methods of Manufacture, Quality Assurance, Health and Safety

Marketing: 4P's, International Business, E-Business, M-Business

Year 11: Term 3

Examination Preparation
Mock examination

Terminal examination: - 1 hour 30 minutes (40%)

Unit 2 - Human Resources: Recruitment (During the summer, preliminary consideration should be given to CAT topic)

Year 12: Term 1

Unit 2:

Human Resources (contd): Training, Motivation, **Business Growth:** Success & Failure, Business Growth

Unit 3: Planning a Business (20%): Business Plan **Research to be completed at home.** Discussion and preparation will take place in class. **Booklet A** to be completed in class.

Year 12: Term 2

Continue working on Booklet A. February - Booklet B Communicating findings to be completed in 1 hour under exam conditions

Unit 2:

Finance: Sources, Cash flow forecast, financial statements, ratios, break-even

Mock Examination

(Order of teaching will change depending on controlled assessment task released in September)

Year 12: Term 3

Revision and Preparation for exam

Terminal Examination 1 hour 30 minutes (40%)

What will I study and when?

Technology and Design provides an opportunity to design and make a real product. It allows students to create something to solve a problem that has been identified. 3 pre-set tasks are issued in June of each year. Pupils must develop these design briefs fully. Candidates will have the opportunity to investigate the effect Technology has on our everyday lives, develop skills in traditional manufacturing methods as well as new technologies like CAD and CNC.

How will it be Assessed?

Theory: 50%

Pupils will have the opportunity to study a wide range of topics relating to Design & Technology.

2 hours - 100 marks - 50%

Candidates answer all questions in two sections

Non Exam Assessment: 50%

The Non-Exam Assessment (NEA) is a single 'Design and Make' activity that we focus on in Year 12. Students will choose one of three design briefs and will produce a Project in school and an accompanying 20 A3 pages of information which concisely documents their design process and thinking. This will include areas such as Research, Specification, Development, Evaluation and Modifications to their design. Students will spend approximately 30 hours on this NEA and there will be 100 marks between the Design Folder and Manufacturing Task.

Year 11: Term 1

(Unit 1) Pupils will study:

- New and emerging technologies

(Unit 2) Pupils will study:

- Energy storage and generation
- Developments in new materials

Year 11: Term 2

(Unit 3) Pupils will study:

- Materials and their working properties
- Forces and stresses
- Ecological and social footprint
- Sustainability

Year 11: Term 3

(Unit 5 a-f) Pupils will study:

- Papers and boards
- Polymers
- Electronic and mechanical systems
- Textile based materials
- Timber based materials
- Commercial manufacturing

Year 12: Term 1

Controlled Assessment – Low, Medium and High level at various stages throughout Year 12.

Pupils will embark on their Design and Make activity from a pre-set design context and Design Folder.

NEA will be a pupil led and guidelines for teachers and pupils can be found on AQA website.

Year 12: Term 2

Controlled Assessment

Pupils will continue to develop, manufacture and document the progress of their Design & Make activity 30-35 hours in total. Design context is set by the examination board (AQA) and will be released in September.

Year 12: Term 3

Completion of the 'Design & Make' activity with a concise Design Folder.

Revision and Past Exam Paper practice.



Digital Technology (DT) will encourage you to become an independent and discerning user of Technology. You will be able to apply creative and technical skills, knowledge and understanding of DT and be made aware of the risks when using DT and develop safe and secure working practices.

How will it be Assessed?

Unit 1 Digital Technology: 30%

Compulsory Core Unit
Examination – 1 hour

Unit 2 Digital Authoring Concepts: 40%

Examination—1 hour 30 mins

Unit 3 Digital Authoring Concepts: 30%

Controlled Assessment

This unit gives students the opportunity to develop practical skills for designing Websites and Database. They also develop practical skills that will enable them to use Graphics, Digital Video and Sound effectively. Available September of Year 12

What will I study and when?

Year 11: Term 1

Unit 1: Digital Data
Cloud Technology
Representing data, images and sounds
Portability
Software, Computer Hardware
Database Applications

Practical: Database

Year 11: Term 2

Unit 1: Digital Data (contd)
Network Topologies
Cyberspace, network security and transfer
Legislation
Spreadsheet Applications

Practical: Spreadsheet

Year 11: Term 3

Unit 1: Digital Data (contd)
Ethical, legal and environmental impact of digital technology on wider society

Unit 1 External Written Examination—1 Hour (30%)

Year 12: Term 1

Unit 2: Designing Solutions
Multi-media applications, Authoring
Database development
Unit 3: Digital Authoring Practice - CAT (30%)
Website creation, Database

Year 12: Term 2

Unit 2: Designing solutions (contd)
Digital Development Considerations
Significance of testing , test plans
Evaluation of digitally authored systems

Unit 3: Digital authoring Practice (contd)
Evaluation
Testing
Submission of CAT

Year 12: Term 3

Terminal Examination 1 hour 30 minutes (40%)

GCSE English Language



GCSE English Language develops your reading and writing skills through studying and creating a range of functional and imaginative texts. You will study spoken language and develop your speaking and listening abilities.

How will it be Assessed?

Unit 1: 30%

Writing for Purpose and Audience and Reading to Access Non-Fiction and Media Texts.
Untiered external written examination: one hour forty-five minutes.

Units 2 and 3: 40%

Controlled Assessment:
Unit 2: Speaking and listening (20%).
Unit 3: Studying Spoken and Written Language (20%) two tasks worth 10% each completed internally in exam conditions.

Unit 4: 30%

Personal or Creative Writing and Reading Literary and Non-Fiction Texts. Untiered external written examination: 1 hour 45 minutes.

What will I study and when?

Year 11: Term 1

Unit 1, Section B: Reading to Access Non-Fiction and Media Texts.

Unit 3: Written Language Controlled Assessment.

Unit 2: Ongoing Speaking and Listening

Year 11: Term 2

Unit 1, Section B: Reading to Access Non-Fiction and Media Texts.

Unit 3: Spoken Language Controlled Assessment.

Unit 2: Ongoing Speaking and Listening

Year 11: Term 3

Unit 1: Writing for Audience and Purpose.

Unit 2: Ongoing Speaking and Listening

Year 12: Term 1

Unit 2: Ongoing Speaking and Listening Assessments.

Unit 1: Writing for Audience & Purpose & Reading to Access Non-Fiction and Media Texts.

External written exam: 1 hour 45 minutes

Year 12: Term 2

Unit 2: Ongoing Speaking and Listening Assessments.

Unit 4, Section A: Personal or Creative Writing.

Unit 4, Section B: Reading Literary and Non-Fiction Texts.

Year 12: Term 3

Unit 4: Revision of Personal or Creative Writing and Reading Literary and Non-Fiction texts.

External written exam: 1 hour 45 minutes.



More information for this course can be found online at http://www.ccea.org.uk/english_language

GCSE English Literature provides you with opportunities to study a range of prose, drama and poetry and will develop your ability to respond critically to literature.

How will it be Assessed?

Unit 1: 30%

The Study of Prose.
External written examination.
Untiered.
One hour forty-five minutes.

Unit 2: 50%

The Study of Drama and Poetry.
External written examination.
Untiered.
Two hours.

Unit 3: 20%

Controlled Assessment: The Study of Shakespeare:
CCEA sets the theme. Two hours.

What will I study and when?

Year 11: Term 1

Unit 3: The Study of Shakespeare.
Internal Exam: two hours. (20%)

Unit 1: The Study of 'Of Mice and Men' by John Steinbeck (20%).

Year 11: Term 2

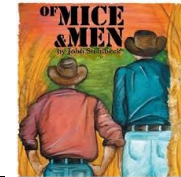
Unit 1: The Study of 'Of Mice and Men' by John Steinbeck (20%).

Unit 1: The Study of 19th Century Unseen Prose (10%).

Year 11: Term 3

Unit 1: The Study of 'Of Mice and Men' by John Steinbeck and Unseen 19th Century Prose.
Unit 1 External GCSE exam: one hour forty-five minutes. Closed book.

Unit 2: The Study of 'Blood Brothers' by Willy Russell (25%).



Year 12: Term 1

Unit 2: The Study of 'Blood Brothers' by Willy Russell (25%).
Unit 2: The Study of Poetry,
Poetry Anthology: Conflict.

Year 12: Term 2

Unit 2: The Study of Poetry,
Poetry Anthology: Conflict.
(25%).

Year 12: Term 3

Unit 2: Revision of Poetry Anthology and
Blood Brothers' (50%).

Unit 2 External GCSE exam:
The Study of Drama and Poetry.
Two hours. Open book (50%).

GCSE Food and Nutrition (Home Economics)



This course gives you opportunities to learn about the science behind food - the nutritional content, current nutritional guidelines and catering for the differing dietary needs of the people in today's society. You will be expected to plan, prepare and cook meals. In accordance to these guidelines.

How will it be Assessed?

Exam 50%

Component 1: Food and Nutrition
2 hr Examination
The paper will include multiple choice, short and structured questions that require extended writing skills.

CAT 50%

Component 2: Practical Food and Nutrition
Controlled Assessment Task
You will complete a task based on a given title. You will carry out a practical activity and produce a written report.
The teacher marks the task and CCEA moderate the results.

Theory

New Name: Home Economics - Food and Nutrition. Leads on to further study at Advanced Level Nutrition and Food.

What will I study and when?

Year 11: Term 1

Food Provenance
Food Processing and Production
Food and Nutrition for Good Health

Year 11: Term 2

Energy and Nutrients
Macro & Micro nutrients
Fibre & Water

Year 11: Term 3

Nutritional and Dietary Needs
Priority Health Issues
Factors affecting food choice

Year 12: Term 1

Food Safety
Resource management
Food presentation, cooking and presentation skills

Year 12: Term 2

Research Task Title
Justify a choice of Dishes
Plan a practical
Carry out the practical
Evaluate all aspects of the task

Year 12: Term 3

Being an effective consumer
Examination preparation
Revision classes





Through studying French you will gain linguistic knowledge, understanding & skills, beneficial in a multilingual global society. You will develop the ability to communicate effectively in French and develop awareness & understanding of French speaking communities

How will it be Assessed?

Listening Exam

Written exam 35 mins (Foundation Tier), 45mins (Higher Tier)
60 marks (Foundation Tier), 60 marks (Higher Tier)
25% of GCSE

Speaking Exam

7-9 mins (Foundation Tier), 10-12 mins (Higher Tier)
60 marks for each of Foundation and Higher Tier
25% of GCSE

Reading Exam

Written exam 45mins (Foundation Tier), 1 hour (Higher Tier)
60 marks for each of Foundation and Higher Tier
25% of GCSE

Writing Exam

Written exam 1 hour (Foundation Tier), 1 hour 15 mins (Higher Tier)
60 marks (Foundation Tier), 60 marks (Higher Tier)
25% of GCSE

What will I study and when?

Year 11: Term 1

Module 1: Identity and culture, relationships
Module 2: Local, national, international and global areas of interest
Module 3: Current and future study and employment



Year 11: Term 2

Module 4: Social issues
Module 5: Life at School
Module 6: Customs and Festivals in French Speaking Countries
Module 7: Travel and Tourism



Year 11: Term 3

Module 8: Education Post -16
May/ June - END OF TERM EXAMS
Module 9: Transition to Year 12, to include the topic of 'Me, my family and friends, marriage, partnership'

Year 12: Term 1

Module 1: Global issues
Module 2: Social Issues (Charity/voluntary work)
Module 3: Career choices and ambitions



Year 12: Term 2

Mock examination/assessment
Module 4: Technology in everyday life, social media, mobile technology
Examination preparation/technique



Year 12: Term 3

Revision and preparation for examinations
Oral questioning and role play preparation
Speaking Exam (beginning of May 2026)



What will I study and when?

Further Mathematics involves studying Maths to a level beyond GCSE Higher Tier. It can act as a stepping stone that gives students a sound basis for studying GCE Mathematics, introducing some of the mechanics and statistics topics that appear at AS/A2 level. If a pupil chooses to study GCSE Further Maths they must also be studying Higher Tier GCSE Maths as GCSE Further Maths assumes that pupils have a knowledge and understanding of this specification. Further Maths can also help students progress to other studies that require mathematical knowledge and skills, for example higher level Science, Geography, Technology or Business.

How will it be Assessed?

GCSE Further Mathematics is assessed by three exams

- Paper 1 examines all of the Pure Mathematics that the pupils have studied. The paper is 2 hours long and is worth 50% of the final grade
- Paper 2 examines all of the Mechanics that the pupils have studied. The paper is 1 hour long and is worth 25% of the final grade
- Paper 3 examines all of the Statistics that the pupils have studied. The paper is 1 hour long and is worth 25% of the final grade

Pupils complete all papers at the end of Year 12.

Year 11

Matrices

- Add, subtract, multiply & divide matrices
- Determinate & Inverse of a matrix
- Solving matrix equations

Moments

- The principle of moments
- Equilibrium of a rigid body

Bivariate Analysis & Spearman's Rank

- Scatter diagrams & correlation
- The equation of the line of best fit
- Calculate and interpret Spearman's Rank

Trigonometry

- Sketch graphs
- Solve trigonometric equations - CAST diagrams
- Sine Rule & Cosine Rule

Kinematics

- Displacement/time & velocity/time graphs
- Constant acceleration formulae

Algebra

- Completing the square
- Form & solve 3 equation with 3 unknowns

Vectors

- Vector & scalar quantities
- Magnitude & direction
- i and j vectors in calculations

Measures of Central Tendency & Dispersion

- Calculate mean & standard deviation of a grouped frequency distribution, combined sets of data & after a linear transformation.

Differentiation

- Differentiate basic functions
- Applications of differentiation

Year 12

Algebra

- Algebraic fractions
- Solve quadratic inequalities

Integration

- Integration of a basic function
- Applications of integration

Forces

- Force as a vector
- Identify, resolve & find the resultant of a set of forces

- Understand & apply the concept of equilibrium

Newton's Laws

- Use of $F = ma$
- Horizontal, and vertical motion
- Motion on an inclined plane
- Motion of 2 connected bodies

Probability

- Combined probability
- Conditional probability

- Tree diagrams, Venn diagrams & two way tables

Logarithms

- The relationship between logs and indices
- Solve problems & index equations using logs

Binomial Distribution

- Pascal's Triangle
- Binomial expansion

Normal Distribution

- Calculate probabilities from a normal Distribution

GCSE Geography



Geography delivers a diverse range of learning opportunities for students to continue to develop as individuals and contributors of society, as well as to the economy and environment.

How will it be Assessed?

Fieldwork: 20%

Assessment for this unit requires the student to complete a formal written examination, duration - 1 hour (completed in Year 12). Students must create and submit a word-processed fieldwork statement and table of data. This unit of work will be based on a river study - Yellow Water River, Rostrevor (Fieldtrip—end of Year 11).

Unit 1: 40%

'Understanding Our World' is based on Physical Geography and incorporates four themes: (one tier)

- ⇒ Theme A: River Environments
- ⇒ Theme B: Coastal Environments
- ⇒ Theme C: Our Changing Weather and Climate
- ⇒ Theme D: The Restless Earth

Unit 2: 40%

'Living in Our World' is based on Human and Environmental Geography and incorporates the following themes: (one tier)

- ⇒ Theme A: Population and Migration
- ⇒ Theme B: Changing Urban Areas
- ⇒ Theme C: Contrasts in World Development
- ⇒ Theme D: Managing Our Environment

What will I study and when?

Year 11: Term 1

Unit 2: Theme A 'Population and Migration'.

Students will study Population Growth and Change; the Demographic Transition Model and Migration in LEDC's and MEDC's.

Year 11: Term 2

Unit 2: Theme B 'Changing Urban Areas'.

Students will study Urban Landuse; Issues facing inner city areas in MEDC's and LEDC's.

Year 11: Term 3

Unit 2: Theme C 'Contrasts in World Development' and Theme D 'Managing Our Environment'

Theme C—Students will study The Development Gap; Sustainable solutions to the problem of Unequal Development and Globalisation.

Theme D—Students will study Human Impact on the Environment; Strategies to Manage Our Resources and Sustainable Tourism to Preserve the Environment.



Year 12: Term 1

Unit 1: Theme A 'River Environments' and Theme B 'Coastal Environments'

Theme A—Students will study The Drainage Basin; River Processes and Landforms and Sustainable Management of Rivers.

Theme B—Coastal Processes and Landforms and Sustainable Management of Coasts.

Year 12: Term 2

Unit 1: Theme C 'Our Changing Weather and Climate'

Students will study Measuring the Elements of Weather; Weather Systems Affecting the British Isles and the Impacts of Extreme Weather.

Year 12: Term 3

Unit 1: Theme D 'The Restless Earth'

Students will be studying Basic Rock Types; Plate Tectonic Theory; Managing Earthquakes and Volcanoes—Characteristics and Consequences.

GCSE History provides you with opportunities to explore key political, economic and social events that have helped shape today's institutions, governments and societies. It is a well-respected and attractive subject to both universities and employers as it enables you to develop important transferable skills.

How will it be Assessed?

Unit 1: 60%

Non tiered — 1 hour 45 minutes examination paper

Unit 2: 40%

Non tiered — 1 hour 15 minutes examination paper

What will I study and when?



Year 11: Term 1

Unit 1: Section A
 Modern World Studies in Depth (30%)
 Option 1: Life in Nazi Germany 1933-1945
 Mid-term Written Internal Assessment



Year 11: Term 2

Unit 1: Section A
 Modern World Studies in Depth (30%)
 Option 1: Life in Nazi Germany 1933-1945
Unit 1: Section B - Local Study (30%)
 Option 1: Changing Relations: Northern Ireland and its Neighbours, 1920-1949
 Internal Winter Exam—Unit 1: Section A



Year 11: Term 3

Unit 1: Section B
 Local Study (30%)
 Option 1: Changing Relations: Northern Ireland and its Neighbours, 1920-1949
 Internal Summer Exam - Unit 1: Sections A & B

Year 12: Term 1

Unit 2: Outline Study (40%)
 International Relations: 1945-2003
 Mid-term Written Internal Assessment



Year 12: Term 2

Unit 2: Outline Study (40%)
 International Relations: 1945-2003
 Mock GCSE History Exam -Unit 1 & Unit 2 (Feb)



Year 12: Term 3

Revision of Unit 1 & completion of Unit 2
 After-school Support Classes, 3-4pm (March - May) & during Year 12 Study Leave
 Written External GCSE Exams (100%)
 Unit 1: 1 hour 45 minutes (60%)
 Unit 2: 1 hour 15 minutes (40%)

What will I study and when?

The CCEA GCSE Mathematics specification gives students opportunities to:

- Develop their knowledge, skills and understanding of mathematical methods and concepts.
- Acquire and use problem solving strategies.
- Select and apply mathematical techniques and methods in mathematical, real world and everyday situations.
- Reason mathematically, make deductions and draw conclusions.
- Interpret and communicate mathematical information in a variety of ways.

How will it be Assessed?

All pupils will sit a Modular Exam at the end of Year 11 which is worth 45% of their final grade. This exam is with a calculator:

- Foundation Paper - 1 Hour 45 Minutes
- Higher Paper - 2 Hours

Pupils sit the final exam at the end of Year 12 which is worth 55% of their final grade. This consists of both a calculator paper and a non-calculator paper:

- Foundation - Paper 1 (non-calculator) 1 Hour, Paper 2 (calculator) 1 Hour
- Higher - Paper 1 (non-calculator) $1\frac{1}{4}$ Hours, Paper 2 (calculator) $1\frac{1}{4}$ Hours

Year 11

Foundation

Pupils studying the Foundation Mathematics course will study the module M2.

Topics include:

- Pie Charts
- Averages: Mean, Mode, Median and Range
- Angles in Polygons
- Algebra
- Percentages & Financial Capability
- Pythagoras' Theorem
- Perimeter & Area

Higher

Pupils studying the Higher Mathematics course will study the module M3 or M4.

Topics include:

- Product of Primes, HCF & LCM
- Algebra
- Percentages & Financial Capability
- Pythagoras' Theorem & Trigonometry
- Simultaneous equations
- Quadratic equations
- Perimeter & Area

Year 12

Foundation

Pupils studying the Foundation Mathematics course will study the module M6.

Topics include:

- Surface Area
- Imperial and Compound Measures
- Ratio
- Inequalities
- Transformations
- Probability
- Constructions

Higher

Pupils studying the Higher Mathematics course will study the module M7 or M8.

Topics Include:

- Standard form
- Change of subject
- Inequalities
- Transformations
- Similarity
- Indices
- Surds
- Volume & Perimeter
- Probability

GCSE Motor Vehicle and Road User Studies

Motor Vehicle and Road Users Studies helps you to develop as an informed and responsible road user. It provides you with the opportunity to progress to vocational training and employment. It also helps you to prepare for driver training and the driving test.

How will it be Assessed?

Theory: 50%

Single Tier - 1 hour 45 minute examination paper.

Investigative Study: 25%

The study will involve approximately 30 hours work and a maximum of 2000 words. It will include an investigation and collection of data, the analysis and interpretation of results and a conclusion.

Practical Moped Riding: 25%

This will allow pupils to demonstrate their skills of vehicle control and road craft.

What will I study and when?

Year 11: Term 1

Practical Riding: Pupils begin to learn how to ride the moped.

Unit 1 (Theory): The Highway Code.

Year 11: Term 2

Unit 2 (Theory): Legal Requirements.

Unit 3 (Theory): The History of Cars and Roads.

Year 11: Term 3

Practical Riding: Pupils continue to practice the manoeuvres required to pass the Practical Riding Controlled Assessment (Right Turn, Left Turn, Emergency Stop, Figure of 8, Skills, Passing a Parked Car and Stopping and Dismounting).

Unit 4 (Theory): Motoring Mathematics.

Year 12: Term 1

Unit 5 (Theory): Accident Procedures.

1st Controlled Assessment (25%):
The Investigative Study: looking at the speed of cars on a local road.

Year 12: Term 2

Practical Riding: Pupils continue to learn how to ride the moped.

Unit 6 (Theory): Motor Vehicle Technology.

Year 12: Term 3

2nd Controlled Assessment (25%):
Practical Riding Test.

Written GCSE Examination (50%):
All 6 theory units tested in a 1hr 45 min examination.



What will I study and when?

Physical Education is a subject that is suited to the pupils who are more interested in practical based activities. Pupil will require a good level of physical fitness. They also would considerably benefit from joining a club or team outside school to improve skill.

How will it be Assessed?

Exam Paper

Written examination: 2 hours
60% of qualification 120 marks .
Learners will be assessed through a range of short and extended answers.

Controlled Assessment

40% of qualification.
Individual performances in 3 physical activities or sports.

Controlled Assessment

Learners will be further assessed through a written analysis and evaluation of their personal performance.

Year 11: Term 1

- Systems in the body Skeletal/muscular/ cardiovascular/respiratory/digestive/ nervous.
- Health Social/Mental/Physical.
- *Practical Activities.*

Year 11: Term 2

- Components of Physical Fitness
- Principles of Training
- Methods of Training.
- *Practical Activities*

Year 11: Term 3

- Planning For Physical Health
- Leisure Industry
- Event management
- *Practical Activities*

Year 12: Term 1

- Goal-setting
- Information processing Guidance
- Mental preparation Motivation
- Characteristics of a skilled performance

Year 12: Term 2

- Participation
- Provision
- Performance
- Data analysis

Year 12: Term 3

- **Official Moderation**
- **Exam work preparation**



GCSE Religious Studies (Full Course)



Religious Studies will allow pupils to develop their interest in religion, exploring how beliefs relate to the wider world and the 21st century. They will reflect on their own values, opinions and attitudes, adopting enquiring, critical and reflective minds.

How will it be Assessed?

Module 1 50%

Written Examination - 90 minutes - End of Year 11
A Study of the Gospel of Matthew - Identity of Jesus; Miracles; The Kingdom of God (Parables); The Death and Resurrection of Jesus and Discipleship. How do these teachings relate to the 21st century?

Module 2 50%

Written Examination - 90 minutes - End of Year 12
The Christian Church with a focus on the Protestant Tradition - The Birth of the Christian Church & Emergence of Protestantism; Church Government & Organisation in 2 denominations; Worship; Sacraments; The Role of the Church in Contemporary Society.

What will I study and when?

Year 11: Term 1

The Identity of Jesus - Jesus' birth; Jesus' baptism; The Temptations; Peter's declaration; The Transfiguration; Jesus' entry into Jerusalem
The Death & Resurrection of Jesus



Year 11: Term 2

The Kingdom of God (Parables) - The Sower; The Weeds; The Workers in the Vineyard; The Wedding Feast; The Sheep & The Goats
The Miracles - Leprosy; Roman Officer's Servant; Paralysed Man; Official's Daughter; Paralysed Hand



Year 11: Term 3

Discipleship - Jesus calling the disciples; Sermon on the Mount; Demands of Discipleship; Religious Observances; Forgiveness; Wealth; Pressures of Discipleship; The Great Commission

Year 12: Term 1

The Birth of the Christian Church - Pentecost; Early Church; Apostles Creed; Patrick; Reformation
Worship - Private & Public Worship; Prayer; The Bible; Architecture and Furnishings; Festivals



Year 12: Term 2

Sacraments - Baptism & Communion
Confirmation & Church Membership
Church Organisation - Ordination & Role of the Minister; Priesthood of All Believers



Year 12: Term 3

The Role of the Church in Contemporary Society - Peace and Reconciliation; local community; challenges to the church, including morals, social & cultural values

GCSE Religious Studies (Short Course)



What will I study and when?

Religious Studies helps you to explore religions and beliefs and reflect on fundamental questions related to belief. Studying RE can enhance your personal, social and cultural development and give you a greater understanding of cultures. You will study the Gospel of Matthew only.

How will it be Assessed?

Examination

The written examination will last 1 hour 30 minutes. There will be some questions which require short answer responses and some which require extended writing. CCEA sets and marks the paper. It is worth 100% of the qualification.

Year 11: Term 1

For the course you will look at Christianity through a study of the **Gospel of Matthew** only.

Unit 1: The Identity of Jesus



Year 11: Term 2

Unit 2: Jesus the Miracle Worker



Year 11: Term 3

Unit 3: The Kingdom of God

Year 12: Term 1

Unit 4: The Death and Resurrection of Jesus



Year 12: Term 2

Unit 5: The Place and Nature of Christian Discipleship



Year 12: Term 3

Revision and practice at answering longer questions.

Written GCSE Exam (100%): 1 Hour 30 minutes.

More information for this course can be found online at http://ccea.org.uk/religious_studies

GCSE Double Award Science (Foundation and Higher Tier)



Science stimulates and excites students' curiosity and their interest in the world around them. Through their work in science, students begin to understand major scientific ideas, to appreciate how these develop and contribute to technological change, and recognise the cultural significance of science and its worldwide development.

How will it be Assessed?

GCSE Module Exams: 75%

There are 6 Science Modules completed in this 2 year course:

- 3 Modules in Year 11 with 1 hour exams in November, February and May (3 x 11%).
- 3 Modules in Year 12 with 1 hour 15 minute GCSE terminal exams in May.

Practical Skills: 25%

There are 18 compulsory practicals - carried out over two years. For each of the three sciences, Practical Skills includes a practical skills assessment (Booklet A) and a practical theory exam (Booklet B). For each of the three Booklet As, students carry out one practical task in the laboratory (between January and April of Year 12). Each Booklet B is a written exam, with questions based on any of the prescribed practical tasks and any other practical tasks from the specification (terminal exams in Year 12).

Repeats

Students are encouraged to repeat Year 11 Module Exams when it could lead to an improvement in their final grade. The re-sit cost is £9.05 Only one re-sit per module is allowed.

What will I study and when?

Year 11: Term 1

Biology Unit 1 (B1): Cells, Living Processes and Biodiversity, will be completed and the GCSE Exam sat in November. Relevant Prescribed Practicals completed during the course.

Year 11: Term 2

Chemistry Unit 1 (C1): Structures, Trends, Chemical Reactions, Quantitative Chemistry and Analysis will be completed (including Prescribed Practicals) and the GCSE Exam sat in February.

Year 11: Term 3

Physics Unit 1 (P1): Motion, Force, Moments, Energy, Density, Kinetic Theory, Radioactivity, Nuclear Fission and Fusion will be completed and the GCSE Exam sat in May. Relevant Prescribed Practicals completed during the course.



Year 12: Term 1

In September you will complete Physics Unit 2 (P2): Waves, Light, Electricity, Magnetism, Electromagnetism and Space Physics. In December, we move onto Chemistry Unit 2 (C2): Further Chemical Reactions, Rates and Equilibrium, Calculations and Organic Chemistry.

Mock Examination of Physics Module content.

Year 12: Term 2

Completion of Chemistry Unit 2 (C2) by end of February. This is followed by study of the Biology Unit 2 (B2): Body Systems, Genetics, Microorganisms and Health.

Each of the three Prescribed Practical's (Booklet As) are completed between January and April.

Year 12: Term 3

Biology Unit 2 (B2) teaching completed in early May. Preparation for the GCSE terminal exams.

There will be six terminal exams:

Unit 2: Physics and Physics Booklet B Practical skills.

Unit 2: Chemistry and Chemistry Booklet B Practical skills.

Unit 2: Biology and Biology Booklet B Practical skills.

More information for this course can be found online at http://www.ccea.org.uk/general_science/

GCSE Single Award Science (Foundation & Higher Tier)



This specification offers opportunities to build on the skills and capabilities developed at KS3. It allows students the opportunity to develop and demonstrate their practical skills. It provides a meaningful, relevant programme of study to equip students for vocational studies in Science or entry into the world of work.

- Students can resit each unit once.

How will it be Assessed?

Units 1-3: 75%

These units are: Unit 1 (Biology), Unit 2 (Chemistry) and Unit 3 (Physics). These units may be taken at Foundation Tier (C*-G) or Higher Tier (A-E). Year 11 will have 5x35 minutes per week (increasing to 6x35 minutes per week in Year 12).

Unit 4 Practical skills: 25%

There are 9 compulsory practicals - carried out over two years. Booklet A: a two hour practical assessment will be carried out between January and April of Year 12. This is worth 7.5%. Booklet B: A one hour exam paper in which students answer compulsory structured questions that include short responses, extended writing and calculations all set in a practical context. This is worth 17.5%.

Repeats

Students are encouraged to repeat module exams when it could lead to an improvement in their final grade. The re-sit cost is £7.90. Only one re-sit per module is allowed.

What will I study and when?

Year 11: Term 1

Unit 2: Chemistry (5x35 minutes per week).
Practical skills will be taught throughout Yr11 and Yr12.
(In December, a Winter school exam will help assess progress.)

Year 11: Term 2

Unit 2: Chemistry continues until the GCSE module exam (usually the last week of February).
Unit 1: Biology begins end of February.

Year 11: Term 3

Unit 1: Biology continues.
(In June, a summer school exam will help assess progress.)

Year 12: Term 1

Unit 1: Biology continues until the GCSE module exam (usually mid-November).
Unit 3: Physics begins.

Year 12: Term 2

Unit 3: Physics continues.
Completion of Unit 4 Booklet A—2hr practical Assessment (March Yr 12)—based on 2 of the 9 compulsory Required Practical (7.5%). This is set and marked by CCEA.

Year 12: Term 3

Preparation for the GCSE terminal exams.
There will be two terminal exams:
Unit 3: Physics; and Booklet B Practical skills.