



Outreach Academy

Curriculum Mapping Against GCSE, A Level & BTEC Curricula

Ulster University Outreach Academy

Ulster University Outreach Academy, provides a range of online free resources, for pupils Key Stage 3-5. Below is the current alignment to curriculum for a selection of our courses.

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Course	Curriculum linkage	Unit of study	Content our course links to
Accountancy Is Boring: Dispelling the Myths? Target Audience: KS4/5 Teaser: Is the work of an accountant really boring? We would say no it is not! This course puts you in the role of an accountant where you are tasked with investigating fraud that has taken place within a charity.	CCEA GCSE Business Studies	Unit 1: Starting a Business	<ul style="list-style-type: none"> - Business aims and objectives - Stakeholders - Customer Service
		Unit 2: Developing a Business	<ul style="list-style-type: none"> - Financial statements - Statement of financial position
	CCEA GCE Business Studies	Unit AS 2: Growing the Business	<ul style="list-style-type: none"> - Financial Statements - Final Accounts
		Unit A2 1: Strategic Decision Making	<ul style="list-style-type: none"> - Organisational Culture - Stakeholder Objectives - Communication - Business Strategy and Planning - Risk and Uncertainty - Company Accounts
		Unit A2 2: The Competitive Business Environment	<ul style="list-style-type: none"> - Business ethics and organisational culture - Change
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - A2 Stakeholders and their influence - A3 Effective business communications - B2 Aims and objectives - C1 External environment - C4 Situational Analysis

Course	Curriculum linkage	Unit of study	Content our course links to
Being Entrepreneurial Target Audience: KS4/5 Teaser: Entrepreneurs are people in society who start businesses, grow them and in many cases create wealth and jobs. But 'Being Entrepreneurial' is about much more than this.	CCEA GCSE Business Studies	Unit 1: Starting a Business	<ul style="list-style-type: none"> - Entrepreneurs - Key characteristics of entrepreneurs - Stakeholders - Marketing and market research
		Unit 2: Developing a Business	<ul style="list-style-type: none"> - Business success or failure
		Unit 3: Planning a Business	<ul style="list-style-type: none"> - Business Plan
	CCEA GCE Business Studies	Unit AS 1: Introduction to Business	<ul style="list-style-type: none"> - Enterprise and entrepreneurship
		Unit AS 2: Growing the Business	<ul style="list-style-type: none"> - Market Research - Product Life Cycle
		Unit A2 1: Strategic Decision Making	<ul style="list-style-type: none"> - Business strategy and planning - Risk and uncertainty
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - A2 Stakeholders and their influence - A3 Effective business communications - B2 Aims and objectives - E1 Role of innovation and enterprise - E2 Benefits and risks associated with innovation
		Unit 2: Developing a Marketing Campaign	<ul style="list-style-type: none"> - B Using information to develop the rationale for a marketing campaign

Course	Curriculum linkage	Unit of study	Content our course links to
Carluccio's Recipe for Hospitality Success Target Audience: KS4/5 Teaser: In this course you will discover the exciting career opportunities within the hospitality industry and listen to the personal stories of recent Hospitality and Culinary Arts Management graduates.	CCEA GCSE Home Economics: Food and Nutrition	Component 1: Food and Nutrition	- Food preparation, cooking and presentation skills
		Component 2: Practical Food and Nutrition	- Part D: Practical Activity
	CCEA GCSE Hospitality	Unit 1: The Hospitality Industry	- Exploring hospitality - Career opportunities in hospitality
		Unit 2: Hospitality and the Customer	- Products and services
		Unit 3: Food and Beverage Preparation and Service	- Cooking methods - Food preparation and cooking skills - Sauces and dressings
	CCEA GCE Business Studies	Unit AS 2: Growing the Business	- Market Research
		Unit A2 1: Strategic Decision Making	- Business Objectives - Business strategy and planning
	Edexcel BTEC National Level 3 Hospitality	- Unit 1: The Hospitality Industry - Unit 3: Providing Customer Service in Hospitality - Unit 6: Food and Drinks Service - Unit 9: Food Service Organisation	

Course	Curriculum linkage	Unit of study	Content our course links to
Creating Magical Experiences: The World of Event Management Target Audience: KS4/5 Teaser: From sustainable event planning to organising a school formal this course provides a brilliant introduction to the world of event management.	CCEA GCSE Physical Education	Component 1: Factors Underpinning Health and Performance The Active Leisure Industry	<ul style="list-style-type: none"> - The concept of leisure - Structure of the Active Leisure Industry - Event Management
	CCEA GCE Business Studies	Unit AS 1: Introduction to Business	- Enterprise and entrepreneurship
		Unit AS 2: Growing the Business	<ul style="list-style-type: none"> - Market Research - Product Life Cycle
		Unit A2 1: Strategic Decision Making	<ul style="list-style-type: none"> - Business strategy and planning - Risk and uncertainty
	CCEA GCE Sport Science and the Active Leisure Industry	Unit A2 1: Event Management in the Active Leisure Industry	<ul style="list-style-type: none"> - Choice of Active Leisure Event Linked to Key Components of Leisure 'Sport' - Feasibility of the Event - The Event - Evaluating the event
	Edexcel BTEC National Level 3 Hospitality	<ul style="list-style-type: none"> - Unit 21 Events Organisation in Hospitality - Unit 22 Planning and Managing a Hospitality Event 	

Course	Curriculum linkage	Unit of study	Content our course links to
Developing New Food Products: The Sweets and Treats Market Target Audience: KS4/5 Teaser: Have you ever wondered how new food products make their way onto the shelves of our shops and supermarkets? This short course offers an interesting insight into how new products are developed.	CCEA GCSE Business Studies	Unit 1: Starting a Business	- Marketing and market research
		Unit 2: Developing a Business	- Business success or failure
	CCEA GCSE Hospitality	Unit 2: Hospitality and the Customer	- Products and services
	CCEA GCE Business Studies	Unit AS 2: Growing the Business	- Market Research
		Unit A2 1: Strategic Decision Making	- Business Objectives - Business strategy and planning - Spectrum of competition, - Market Research, - Marketing mix, - Product life cycle, - Market planning & strategy
	Edexcel BTEC National Level 3 Hospitality	- Unit 1: The Hospitality Industry	
	Pearson BTEC Level 3 National Certificate in Business	- Unit 1: Exploring Business	- A2 Stakeholders and their influence - A3 Effective business communications - B2 Aims and objectives - E1 Role of innovation and enterprise - E2 Benefits and risks

Course	Curriculum linkage	Unit of study	Content our course links to
Embracing Talent Parts 1 & 2 Target Audience: KS4/5 Teaser: Embracing Talent is a workplace readiness and personal development course designed to provide participants with opportunities to develop a range of skills needed for the workplace.	CCEA GCSE Specification: Learning for Life and Work	Unit 3: Employability	<ul style="list-style-type: none"> - Preparing for employment: recruitment and selection - Personal career management
	This is a personal development course that will be suited to all pupils from Year 12 onwards. The courses covers the 10 skills employers say young people need and specifically how to develop these skills		

Course	Curriculum linkage	Unit of study	Content our course links to
Introduction to Financial Planning Target Audience: KS4/5 Teaser: Ever thought about how you could use your planning skills and passion for number-crunching to make a difference? Maybe you want to change something in 'the' world or 'your' world!	CCEA GCSE Learning for Life and Work	Unit 2: Personal Development	Making Informed Financial Decisions
	CCEA GCSE Economics	Unit 3: Financial Capability	<ul style="list-style-type: none"> - Money and financial products - Managing Personal Finances
	CCEA GCE Business Studies	Unit AS 1: Introduction to Business	<ul style="list-style-type: none"> - Enterprise and entrepreneurship
		Unit AS 2: Growing the Business	<ul style="list-style-type: none"> - Market Research
		Unit A2 1: Strategic Decision Making	<ul style="list-style-type: none"> - Business strategy and planning - Sources of finance - Contingency Planning
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - B2 Aims and objectives - C1 External environment - C4 Situational Analysis

Course	Curriculum linkage	Unit of study	Content our course links to
Inspiring Social Entrepreneurs Target Audience: KS4/5 Teaser: Ever thought about using your creative skills and passions to make a difference and become an entrepreneur? This course provides an introduction to the exciting and evolving area of social entrepreneurship.	CCEA GCSE Business Studies	Unit 1: Starting a Business	<ul style="list-style-type: none"> - Entrepreneurs - Key characteristics of entrepreneurs - Stakeholders - Marketing and market research - E Business - The role of social enterprise
		Unit 2: Developing a Business	<ul style="list-style-type: none"> - Business success or failure
		Unit 3: Planning a Business	<ul style="list-style-type: none"> - Business Plan
	CCEA GCE Business Studies	Unit AS 1: Introduction to Business	<ul style="list-style-type: none"> - Enterprise and entrepreneurship
		Unit AS 2: Growing the Business	<ul style="list-style-type: none"> - Market Research
		Unit A2 1: Strategic Decision Making	<ul style="list-style-type: none"> - Business strategy and planning
		Unit A2 2: The Competitive Business Environment	<ul style="list-style-type: none"> - Sustainability
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - A2 Stakeholders and their influence - A3 Effective business communications - B2 Aims and objectives - E1 Role of innovation and enterprise - E2 Benefits and risks associated with innovation

Course	Curriculum linkage	Unit of study	Content our course links to
Introduction to Hospitality Management Target Audience: KS4/5 Teaser: Have you ever wondered what it is like to study and work in the Hospitality Sector in Northern Ireland? This course provides an introduction to dynamic and exciting world of Hospitality Management.	CCEA GCSE Home Economics: Food and Nutrition	Component 1: Food and Nutrition	- Food preparation, cooking and presentation skills
		Component 2: Practical Food and Nutrition	- Part D: Practical Activity
	CCEA GCSE Hospitality	Unit 1: The Hospitality Industry	- Exploring hospitality - Career opportunities in hospitality
		Unit 2: Hospitality and the Customer	- Customers in hospitality - Products and services - Marketing and Promotion
		Unit 3: Food and Beverage	- Cooking methods - Food preparation and cooking skills - Cake making - Menu Planning
	CCEA GCE Business Studies	Unit A1: The Business	- Market Research
		Unit A2 1: Strategic Decision Making	- Business Objectives - Business strategy and planning
	Edexcel BTEC National Level 3 Hospitality	- Unit 1: The Hospitality Industry - Unit 2 Principles of Supervising Customer Service Performance in Hospitality, Leisure, Travel and Tourism - Unit 3 performance. Providing Customer Service in Hospitality - Unit 22 Planning and Managing a Hospitality Event	

Course	Curriculum linkage	Unit of study	Content our course links to
Integrity and Ethics in Financial Services Target Audience: KS4/5 Teaser: Integrity and trust are vital components of a successful business. This course explores the importance of integrity within the financial services industry.	CCEA GCSE Business Studies	Unit 1: Starting a Business	<ul style="list-style-type: none"> - Business aims and objectives - Customer Service
		Unit 2: Developing a Business	<ul style="list-style-type: none"> - Recruitment - Training - Motivation
	CCEA GCSE Economics	Managing the Economy	<ul style="list-style-type: none"> - Financial Services Industry
	CCEA GCE Business Studies	Unit A2 1: Strategic Decision Making	<ul style="list-style-type: none"> - Organisational Culture - Stakeholder Objectives - Communication - Business Strategy and Planning
		Unit A2 2: The Competitive Business Environment	<ul style="list-style-type: none"> - Business ethics and organisational culture - Change
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - A3 Effective business communications - B2 Aims and objectives - C2 External environment - C3 Competitive environment - C4 Situational Analysis

Course	Curriculum linkage	Unit of study	Content our course links to
Lets Get Digital: Social Media Branding Target Audience: KS4/5 Teaser: Ever wondered what draws you to one product yet walk past others in the supermarket aisle without even flinching? This course offers insight into how marketers cleverly engage us.	CCEA GCSE Business Studies	Unit 1: Starting a Business	- Marketing and market research, Marketing mix, Competition, Customer service, International business, E Business, M Business
		Unit 2: Developing a Business	- Business success or failure
		Unit 3: Planning a Business	- Business Plan
	CCEA GCE Business Studies	Unit AS 1: Introduction to Business	- Enterprise and entrepreneurship
		Unit AS 2: Growing the Business	- Spectrum of competition, Market Research, Marketing mix, Product life cycle, Market planning & strategy, E business
		Unit A2 1: Strategic Decision Making	- Business strategy and planning
		Unit A2 2: The Competitive Business Environment	- Globalisation
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	- B1 Structure and organisation
		Unit 2: Developing a Marketing Campaign	- This course aligns well to Essential Content A, B & C

Course	Curriculum linkage	Unit of study	Content our course links to
Making Informed Financial Decisions Target Audience: KS4/5 Teaser: This course provides pupils with practical advice that will allow you to make informed decisions about your personal finances	CCEA GCSE Learning for Life and Work	Unit 2: Personal Development Making Informed Financial Decisions	<ul style="list-style-type: none"> - Managing a budget - The consequences of poor budgeting - Making financial decisions about the following based on research, advice and the credibility of information: <ul style="list-style-type: none"> • online shopping • personal loans - Protecting against fraud and identity theft in the following contexts: <ul style="list-style-type: none"> • debit cards • credit cards • online shopping • internet banking - Making financial decisions, and the advantages and disadvantages of consumer choices
	CCEA GCSE Economics	Unit 3: Financial Capability	<ul style="list-style-type: none"> - Money and financial products - Managing Personal Finances

Course	Curriculum linkage	Unit of study	Content our course links to
Rethinking Business In Uncertain Times Target Audience: KS4/5 Teaser: In 2020 the COVID pandemic forced businesses to make unprecedented changes to how they operate in order to survive. This course explores some of the decision making made by business owners.	CCEA GCSE Business Studies	Unit 1: Starting a Business	<ul style="list-style-type: none"> - Business aims and objectives - Stakeholders - Customer Service
		Unit 2: Developing a Business	<ul style="list-style-type: none"> - Financial statements - Statement of financial position
	CCEA GCE Business Studies	Unit AS 1: Introduction to Business	<ul style="list-style-type: none"> - Stakeholder groups - Investing in people
		Unit AS 2: Growing the Business	<ul style="list-style-type: none"> - Marketing mix - Market planning & strategy - Break Even Analysis - Financial Statements
		Unit A2 1: Strategic Decision Making	<ul style="list-style-type: none"> - Risk and Uncertainty
		Unit A2 2: The Competitive Business Environment	<ul style="list-style-type: none"> - Business ethics and organisational culture - Change
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - A2 Stakeholders and their influence - A3 Effective business communications - B2 Aims and objectives - C1 External environment - C4 Situational Analysis

Course	Curriculum linkage	Unit of study	Content our course links to
Sustainable Tourism: Holidays That Work For All Target Audience: KS4/5 Teaser: When on holiday, have you ever asked yourself how your trip is effecting the people who work in the tourism and hospitality industry, the local residents and how your holiday impacts the environment?	CCEA GCSE Specification in Leisure, Travel and Tourism	Unit 1: Understanding the Leisure, Travel and Tourism Industry	
		Unit 2: Promoting and Sustaining the Leisure, Travel and Tourism Industry	
	NCFE Level 3 Introductory Certificate in Travel and Tourism	Unit 19: Responsible Tourism <ul style="list-style-type: none"> - responsible tourism, including sustainable, eco, green tourism - positive and negative impacts of tourism on destinations - stakeholders and their responsibilities 	

Course	Curriculum linkage	Unit of study	Content our course links to
The Business of Being More Sustainable Target Audience: KS4/5 Teaser: Businesses, large or small, local or global, can play an important role in achieving the United Nations Sustainable Development Goals (SDGs) which aim to achieve peace and prosperity for people and the planet, now and into the future.	CCEA GCSE Business Studies	Unit 1: Starting a Business	<ul style="list-style-type: none"> - Business aims and objectives - Stakeholders - The role of social enterprise - E Business - M Business
	CCEA GCE Business Studies	Unit A2 1: Strategic Decision Making	- Sustainability
		Unit A2 2: The Competitive Business Environment	- Government Policy (Sustainable development)
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - B2 Aims and objectives - C1 External environment - C4 Situational Analysis

Course	Curriculum linkage	Unit of study	Content our course links to
Why International Business Matters Target Audience: KS4/5 Teaser: The Northern Ireland economy is dominated by the activities of over 143,000 Small & Medium Size Enterprises (SME's). This course explores how they operate successfully on a global basis.	CCEA GCSE Business Studies	Unit 1: Starting a Business	<ul style="list-style-type: none"> - Business aims and objectives - International Business
		Unit 2: Developing a Business	<ul style="list-style-type: none"> - Business success or failure - Business growth
	CCEA GCE Business Studies	Unit A2 2: The Competitive Business Environment	<ul style="list-style-type: none"> - Globalisation - Methods of entering global markets
	Pearson BTEC Level 3 National Certificate in Business	Unit 1: Exploring Business	<ul style="list-style-type: none"> - A1 Features of business - A2 Stakeholders and their influence - C3 Competitive environment

Course	Curriculum linkage	Unit of study	Content our course links to
Discover Sport at Ulster Target Audience: KS4/5 Teaser: The 'Discover Sport at Ulster' programme aims to showcase potential careers in sport and offer insight into Sports Physiology, Sports Psychology, Sports Nutrition and Physical Activity for pupils.	CCEA GCSE Physical Education	Component 2: Developing Performance	<ul style="list-style-type: none"> - Planning and evaluating performance
		Component 2: Developing Skilled Performance	<ul style="list-style-type: none"> - Factors underpinning the learning of skills for physical activities and sports
		Component 2: Health and Lifestyle Decisions	<ul style="list-style-type: none"> - Planning for physical health
	CCEA GCE Sport Science and the Active Leisure Industry	Unit AS 2: The Active Leisure Industry: Health, Fitness and Lifestyle	<ul style="list-style-type: none"> - Nutrition for Health and Exercise
		Unit A2 2: The Application of Science to Sports Performance	<ul style="list-style-type: none"> - Skill Acquisition
	BTEC Sport and Exercise Science	Unit 3 F: Physiological interventions for sports performance and exercise	<ul style="list-style-type: none"> - Imagery in sport and exercise - Self-talk in sports and exercise - Arousal control techniques in sport and exercise
		Unit 6 A: Technology and sports professionals	<ul style="list-style-type: none"> - Qualities for coaching for performance and fitness - Methods of supporting the development of performance and fitness - Technology and sports professionals

Course	Curriculum linkage	Unit of study	Content our course links to
Biomedical Science Target Audience: KS4/5 Teaser: This short course gives you a chance to delve into a variety of subjects that our students who take BSc Hons Biomedical Science study. From coronavirus to cancer, Biomedical Science is at the heart of our society, vital to the health of all. The critical role that our scientists are making to health and wellbeing has been brought sharply into focus in the current global pandemic.	CCEA GCSE Biology	Unit 1: Cells, Living Processes and Biodiversity	- Diabetes
		Unit 2: Body Systems, Genetics Microorganisms and Health	<ul style="list-style-type: none"> - Health, disease, defence mechanisms and treatments - Communicable diseases - Vaccinations - Non- communicable diseases
	CCEA GCE Life and Health Sciences	Unit A2 6: Microbiology	- Microorganisms
		Unit A2 8: Histology and Pathology	<ul style="list-style-type: none"> - Biochemistry department - Haematology department - Microbiology department - Histopathology department
	CCEA GCE Biology	Unit AS 1: Molecules and Cells	- Viruses
		Unit A2 1: Physiology, Co-ordination and Control and Ecosystems	- Immunity

Course	Curriculum linkage	Unit of study	Content our course links to
The Highs and Lows of Sugar Target Audience: KS4/5 Teaser: Pupils will gain understanding of the relevance of their learning in Diabetes to everyday life and work such as healthy living, personal development, and career planning. The initiative will promote attitudes and behaviours such as personal responsibility for health, concern for others, curiosity, and self-belief.	CCEA GCSE Biology	Unit 1: Cells, Living Processes and Biodiversity	<ul style="list-style-type: none"> - Hormones - Diabetes
	CCEA GCSE Health & Social Care	Unit 1: Personal Development, Health & Well-Being	<ul style="list-style-type: none"> - Factors affecting health and well-being
	CCEA GCE Biology	Unit AS 1: Molecules and Cells	<ul style="list-style-type: none"> - Molecules
	CCEA GCE Health & Social Care	Unit AS 7: Understanding the Physiology of Health and Illness Unit A2 2: Body Systems and Physiological Disorders Unit A2 7: Human Nutrition and Health	<ul style="list-style-type: none"> - The endocrine system - Physiological disorders - Nutrients in food - Diet related conditions or disorders

Course	Curriculum linkage	Unit of study	Content our course links to
Coding: Introduction to Micro:bit Target Audience: KS 3/4/5 Teaser: First steps to code with Micro:Bit. Ever wondered what a Micro:Bit is? This course is for beginners, to help you understand the first steps of coding, have fun with your pocket-sized codable computer.	CCEA GCSE Digital Technology	Unit 1: Digital Technology	- Computer hardware
		Unit 4: Digital Development Concepts	- Digital design principles pseudocode
		Unit 5: Digital Development Practice	- Building a solution - Testing a solution
	CCEA GCE Digital Technology	Unit AS 1: Approaches to Systems Development	- Programming - Program structure
		Unit AS 2: Fundamentals of Digital Technology	- Hardware and software
	Extra-Curricular - Coding	Pupils will be taught to the following using the Micro:Bit	- Design, write and debug programs using the Micro:Bit - Use logical reasoning to explain how some simple algorithms work - Identify and correct errors in programs using the Micro:Bit

Course	Curriculum linkage	Unit of study	Content our course links to
Coding: Creating a Heart Rate Monitor with Micro:Bit Target Audience: KS:3/4/5 Teaser: "Design and Code" a heart-rate monitor using the Micro:Bit. Understand how to Code to investigate 'real life' scenarios, putting theory into practice and creating solutions to real-world problems.	CCEA GCSE Digital Technology	Unit 1: Digital Technology	- Computer hardware
		Unit 4: Digital Development Concepts	- Digital design principles pseudocode
		Unit 5: Digital Development Practice	- Building a solution - Testing a solution
	CCEA GCE Digital Technology	Unit AS 1: Approaches to Systems Development	- Programming - Program structure
		Unit AS 2: Fundamentals of Digital Technology	- Hardware and software
	Extra Curricular - Coding	Pupils will be taught to the following using the Micro:Bit	- Design, write and debug programs using the Micro:Bit - Use logical reasoning to explain how some simple algorithms work - Identify and correct errors in programs using the Micro:Bit

Course	Curriculum linkage	Unit of study	Content our course links to
Coding: Introduction to Micro:Bit with Sensors Target Audience: KS: 3/4/5 Teaser: Introducing the Micro:Bit - This is the first of a series of courses to introduce you to the basic principles of coding the Micro:Bit which is a pocket-sized computer with lots of functionality.	CCEA GCSE Digital Technology	Unit 1: Digital Technology	- Computer hardware
		Unit 4: Digital Development Concepts	- Digital design principles pseudocode; Boolean
		Unit 5: Digital Development Practice	- Building a solution; Testing a solution
	CCEA GCE Digital Technology	Unit AS 1: Approaches to Systems Development	- Programming - Program structure
		Unit AS 2: Fundamentals of Digital Technology	- Hardware and software
		Unit A2 2: Application Development	- Application development
	CCEA GCE Technology and Design	Option A – Electronic and Microelectronic Control Systems	- 1.11 Systems and control; 1.14 Calculations; 1.16 Output devices
		Option B – Mechanical and Pneumatic Control Systems	- 1.18 Systems and control; 1.20 Calculations
	CCEA GCE Software Systems Development	Unit AS 1: Introduction to Object Oriented Development	- Program Control Structures; Data Structures; Managing Input/Output; Testing an Object Oriented Application
		Unit AS 2: Event Driven Programming	- Understanding Events
	Extra-Curricular - Coding	Pupils will be taught to the following using the Micro:Bit and Bit: Bot robot	- Design, write and debug programs using the Micro:Bit - Use logical reasoning to explain how some simple algorithms work - Identify and correct errors in programs using the Micro:Bit

Course	Curriculum linkage	Unit of study	Content our course links to
Coding: Introduction to Python Using Micro:bit Target Audience: KS 3/4/5 Teaser: Introducing Python - Follow-on from our 'Introduction to Micro:Bit with Sensors' course, enhance your programming skills using python to code the Micro:Bit pocket-sized computer.	CCEA GCSE Digital Technology	Unit 1: Digital Technology	- Computer hardware
		Unit 4: Digital Development Concepts	- Digital design principles pseudocode; Boolean
		Unit 5: Digital Development Practice	- Building a solution; Testing a solution
	CCEA GCE Digital Technology	Unit AS 1: Approaches to Systems Development	- Programming - Program structure
		Unit AS 2: Fundamentals of Digital Technology	- Hardware and software
		Unit A2 2: Application Development (Case Study)	- Application development
	CCEA GCE Technology and Design	Option A – Electronic and Microelectronic Control Systems	- 1.11 Systems and control; 1.14 Calculations; 1.16 Output devices
		Option B – Mechanical and Pneumatic Control Systems	- 1.18 Systems and control; 1.20 Calculations
	CCEA GCE Software Systems Development	Unit AS 1: Introduction to Object Oriented Development	- Program Control Structures; Data Structures; Managing Input/Output; Testing an Object Oriented Application
		Unit AS 2: Event Driven Programming	- Understanding Events
	Extra Curricular - Coding	Pupils will be taught to the following using the Micro:Bit and Bit:Bot robot	- Design, write and debug programs using the Micro:Bit - Use logical reasoning to explain how some simple algorithms work - Identify and correct errors in programs using the Micro:Bit

Course	Curriculum linkage	Unit of study	Content our course links to
Coding: Cyber Security Target Audience: KS 3/4/5 Teaser: Incorporating Micro:Bit coding and Cyber Security. Ever wondered how to keep yourself and others safe online, introducing the world of Cyber Security and hands-on practice with the Micro:Bit.	CCEA GCSE Digital Technology	3.1 Unit 1: Digital Technology	<ul style="list-style-type: none"> - Antivirus - Cyberspace, network security and data transfer - malware: virus, Trojan horse, worm, key logger and spyware; - passwords
		3.1 Unit 1: Digital Technology	<ul style="list-style-type: none"> - Ethical, legal and environmental impact of digital technology on wider society Legislation.
		3.1 Unit 1: Digital Technology	<ul style="list-style-type: none"> - Moral and ethical consideration - Technology on society
	CCEA GCE Digital Technology	Unit AS 2: Fundamentals of Digital Technology	<ul style="list-style-type: none"> - 3.2: Individual, social and legal considerations Legislation (The Computer Misuse Act 1990)
	Cambridge TECHNICALS LEVEL 3	Unit 1 Fundamentals of IT	<ul style="list-style-type: none"> - 5: Understand ethical and operational issues and threats to computer systems - 5.1 Ethical issues - 5.2 Operational issues - 5.3 Threats - 5.5 Digital security
	Extra Curricular - Coding	Pupils will be taught to the following using the Micro:Bit:	<ul style="list-style-type: none"> - Design, write and debug passwords using the Micro:Bit - Identify and correct errors in programs using the Micro:Bit

Course	Curriculum linkage	Unit of study	Content our course links to
English: Frost & Heaney's Poetry (KS:5) Target Audience: KS5 Teaser: Enhance your understanding & knowledge of English literary, historical contexts & poetic techniques for representative poems.	CCEA GCE English Literature	Unit AS 1: The Study of Poetry 1900–Present and Drama 1900–Present	<ul style="list-style-type: none"> - Robert Frost and Seamus Heaney. analysing the poet's use of poetic methods, such as form, structure, language and tone on the following prescribed poems: <p><u>Frost</u></p> <ul style="list-style-type: none"> - 'For Once, Then, Something' RF - The Road not taken - Desert places RF <p><u>Heaney</u></p> <ul style="list-style-type: none"> - The Baler - Personal Helicon - Had I not been Awake

Course	Curriculum linkage	Unit of study	Content our course links to
<p>English: John Donne's Poetry (KS:5)</p> <p>Target Audience: KS5</p> <p>Teaser: Passionate about reading and writing? Enhance your knowledge of English literature with our short interactive course designed to help A-level English / English Literature pupils.</p>	CCEA GCE English Literature	Unit A2 2: The Study of Poetry Pre 1900 and Unseen Poetry	<ul style="list-style-type: none"> - John Donne analysing the poet's use of poetic methods, such as form, structure, language and tone on the following prescribed poems: - The Flea - The Sun Rising

Course	Curriculum linkage	Unit of study	Content our course links to
<p>English: Hughes and Plath's Poetry (KS:5)</p> <p>Target Audience: KS5</p> <p>Teaser: Introduction to the practice of writing in persona through poems by Ted Hughes & Sylvia Plath.</p> <p>You will be offered a critical reading of the texts to help identify & discuss key issues that the texts raise.</p>	CCEA GCE English Literature	Unit AS 1: The Study of Poetry 1900–Present and Drama 1900–Present	<ul style="list-style-type: none"> - Ted Hughes and Sylvia Plath analysing the poet's use of poetic methods, such as form, structure, language and tone on the following prescribed poems: - Mirror – Plath - Hawks roosting – Hughes

Course	Curriculum linkage	Unit of study	Content our course links to
<p>English: Geoffrey Chaucer: The Canterbury Tales, 'The Wife of Bath's Prologue and Tale'</p> <p>Target Audience: KS5</p> <p>Teaser: Enhance your understanding of "The Wife of Bath's Prologue and Tale" and develop your English literature skills as a creative writer</p>	CCEA GCE English Literature	Unit A2 2: The Study of Poetry Pre 1900 and Unseen Poetry	<ul style="list-style-type: none"> - Geoffrey Chaucer – The Canterbury Tales – 'The Wife of Bath's Prologue and Tale' - analysing the Chaucer's use of narrative methods such as structure, form and language

Course	Curriculum linkage	Unit of study	Content our course links to
English: Frankenstein, by Mary Shelley (KS:5) Target Audience: KS5 Teaser: You will be introduced to the literary-historical context in which Mary Shelley wrote Frankenstein, as well as a critical reading of the novel to help you identify the key issues.	CCEA GCE English Literature	Unit AS 2: The Study of Prose Pre 1900	<ul style="list-style-type: none"> - Mary Shelley's Frankenstein analysing Shelley's use of narrative methods such as structure, form and language.



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