

What are students learning during Autumn Term 1?

English (AQA)

English Language Paper 2 - *Reading skills - interpretation and analysis; creative writing.*
English Literature Paper 2 - *Power and Conflict poetry - themes of war, suffering, power, identity; Unseen poetry*

Maths (Edexcel)

Circle theorems; More algebra; Vectors and geometric proof; Proportion and graphs - *Solving problems involving chords, radii and circle theorems; simplifying and expanding expressions involving surds; solving geometric problems in two dimensions using vector methods; write and use equations to solve problems involving direct proportion.*

Combined Science (AQA)

1. Ecology (Biology) - *Abiotic and biotic factors; adaption; decomposition; biodiversity*
2. Organic Chemistry (Chemistry) - *Fossil fuels; distillation; hydrocarbons; alkenes and polymerisation.*
3. Forces and Motion (Physics) - *Scalars and vectors; motion change; pressure; Newton's Laws; momentum.*

Separate Science - Biology (AQA)

Ecology - *Abiotic and biotic factors; adaption; decomposition; biodiversity*

Separate Science - Chemistry (AQA)

Reaction rates and Organic Chemistry - *Collision theory, equilibria and factors that affect reaction rates, fossil fuels; distillation; hydrocarbons; alkenes and polymerisation*

Separate Science - Physics (AQA)

Forces and Motion - *Scalars and vectors; motion change; pressure; Newton's Laws; momentum.*

History (Edexcel)

Paper 3: The USA 1954 - 75: Conflict at Home and Abroad - *Part 2: Progress and radicalisation - sit-ins, Freedom Riders, King's March on Washington, Freedom Summer, Selma, Voting Rights Act, Malcolm X and Black Power, assassination of Martin Luther King.*

Geography (AQA)

Paper 2: Changing Economic World - *Development gap: Global variations in economy and quality of life. Case study - Nigeria, impact of rapid economic development*

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Religious Studies (Edexcel)

Paper 2: Religion, Peace and Conflict - Living the Christian Life - *Christian worship, the sacraments, prayer, pilgrimage.*

French (AQA)

Town and Shopping - *Understanding adverts, describing your town, asking for and understanding directions, talking about clothes, your ideal home, visiting another place.*

Spanish (AQA)

Environmental Issues - *Natural wonders of Spanish-speaking countries, how you help in your community, climate change, actions to help with the environment.*

Art (AQA)

Unit 1 Portfolio - Extended Project: Illustration - *Illustration unit continued from Y10. Focus artists E.H. Shephard, Quentin Blake, Eric Carle, Hollie Chastain. Student created personal response to the brief.*

Photography (AQA)

Unit 1 Portfolio - Extended Project: Dreams and Nightmares - *Dreams and Nightmares unit continued from Y10, use of Surrealism, Dadaism and focus photographers to produce a personal response.*

Art & Design Graphic Communication (AQA)

Unit 1 Portfolio - Extended Project: Music - *Music unit continued from Y10, use of album covers designed by Peter Saville, Peter Blake and Barbara Kruger to produce a personal response.*

Music (AQA)

Western Classical Tradition - *Key composers of Baroque, classical romantic and modern orchestral music, evolution of the orchestra, Beethoven's Symphony 1 Mvt 1.*

Drama (AQA)

Text in Performance: Extract 1 'Bouncers' - *Development of skills and knowledge such as communication of artistic intentions, physical theatre, proless, chorusing, canon, story telling.*

GCSE PE (OCR)

Paper 2: Socio-Cultural Influences - *Engagement patterns of different social groups in PA and sport*

Practical: Analysing and Evaluation Performance Task - *Coursework piece - 60 marks*

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Business and Enterprise (Vocational Certificate NCFE)

Unit 5: Business Growth: *Internal growth, external growth, efficiencies and costs of business and enterprise expansion, challenges of growth.*

Health and Social Care (BTEC Edexcel)

Services and Values - *Care values, empowering and promoting independence by involving individuals in making choices, beliefs and identity, maintaining confidentiality, preserving dignity, safeguarding and duty of care, promoting anti-discriminatory practice.*

Computer Science (Edexcel)

Networking, Turtle Graphics, Embedded Systems. IoT and Networking - *Turtle introduction pens and lines, Turtle movement and coordinates, Turtle pen colour and filling. Embedded systems, The Internet of Things, packet switching, TCP IP and the OSI 4 Layer Model.*

iMedia (OCR)

Multimedia products and design and R093 content - *Planning the multimedia product by creating design documents such as moodboard, mind maps, wireframe diagrams, graphical mockups, logos and word walls.*

Design & Technology (OCR)

Coursework (NEA): Iterative Design Challenge - *Identifying and solving real problems by designing and making products, smart materials, electronic systems, mechanical components, materials*

Food & Nutrition (AQA)

Coursework 1 (NEA): Food Preparation and Nutrition - *Research into ingredients being investigated, how ingredients work and why, hypothesis, practical investigation and evaluation.*

Physical Education – Girls and Boys CORE

Year 11's have the opportunity to opt for which activity they would like to do during their core PE lesson - *Football, badminton, volleyball, dodgeball, dance and fitness in the gym*

PSHE (Personal, Social, Health, Economic Education) CORE

Staying Safe - *Live streaming, virtual reality, online gaming and gambling, gangs, antisocial behaviour, knife crime, drugs, festivals and parties, county lines, cosmetics and aesthetics*

**Non-examined Ethics units are also delivered through the PSHE curriculum*