

What are students learning during Autumn Term 1?

English (AQA)

English Literature Paper 2 - *Modern Drama: 'An Inspector Calls'*- context, characters & themes
English Language Paper 1 - *Reading - interpretation and analysis; Writing - creative writing*

Maths (Edexcel)

Number; Algebra; Interpreting and representing data; Fractions ratios and percentages; Angles and trigonometry - *Using powers and roots in calculations; finding the nth term; plot, interpret and predict using a variety of graphs and tables; converting between currencies and measures; using trigonometric ratios to solve problems.*

Combined Science (AQA)

1. Plants, animal health and respiration (Biology) - *Photosynthesis and the factors affecting it, respiration, lifestyle and health, immune system, vaccinations*
2. Structure and bonding, chemical reactions (Chemistry) - *Three types of bonding, structures and allotropes of carbon. Reactions of acids, reacting mass calculations and energy changes.*
3. Energy and particles 2, Electricity and Magnetism 2 (Physics) - *Specific heat capacity, specific latent heat and energy stores. Resistance, circuits, domestic uses and safety.*

Separate Science - Biology (AQA)

Plants, animal health and respiration - *Photosynthesis and the factors affecting it, respiration, lifestyle, immune system, vaccinations. Plant defence responses, monoclonal antibodies.*

Separate Science - Chemistry (AQA)

Structure and bonding, chemical reactions - *Three types of bonding, structures and allotropes of carbon, nanoparticles. Reactions of acids, reacting mass calculations and energy changes.*

Separate Science - Physics (AQA)

Energy and particles 2, electricity and magnetism 2 - *Specific heat capacity, specific latent heat and energy stores. Resistance, circuits, domestic uses and safety.*

History (Edexcel)

Paper 2: Superpower Relations and the Cold War, 1941 - 91 - *Origins of the Cold War - ideological differences, growth in tension to 1949; Cold War Crises 1950 -70 - Cuban Missile Crisis, Berlin Wall, Prague Spring*

Geography (AQA)

Paper 1: Natural Hazards - *Tectonics: Earthquakes, volcanic eruptions, responses in a LIC and a HIC, weather patterns and climate, tropical storms, UK extreme weather.*

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Religious Studies (Edexcel)

Paper 1: Religion and Ethics - Muslim Beliefs - *Difference between Sunni and Shi'a Islam, characteristics of God, origin of beliefs, sacred texts, angels, predestination, the afterlife.*

French (AQA)

Free time and Technology - *Exploring events in the Francophone world, talking about online activities, what you do to stay active, what you watch on TV, making plans to go out.*

Spanish (AQA)

Diviértete (Have fun) - *Talking about Spanish-speaking sports stars, past sports and free-time activities, giving opinions, arranging to go out, future plans for a cinema visit.*

Art (AQA)

Unit 1 Portfolio - Popular Culture - *Popular Culture brief, focus artists Michael Craig Martin, Jim Dine, Robert Indiana, Peter Blake and Robert Rauschenberg.*

Photography (AQA)

Unit 1 Portfolio: The Devil is in the Detail - *Research into the formal elements of art and photography, focus on Nick Albertson, David Gilliver, John Coplans, Mark Mawson and Dafna Talmor*

Art & Design Graphic Communication (AQA)

Unit 1 Portfolio: Typography - *Typography brief, creation of student driven visual page, artist - Jasper Johns, graffiti - Banksy, road signs - Margaret Calvert, artist - Peter Blake*

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)

Devising: Characterisation and Skills of the Actor - *Development of skills and knowledge such as devising, dynamics, interaction, improvisation, gait, pastiche and caricature.*

GCSE PE (OCR)

Paper 1: Physical Factors Affecting Performance - *Skeletal, Muscular and Cardiovascular Systems, movement analysis.*

Practical: Principles of Training - *FITT and SPOR*

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Business and Enterprise (Vocational Certificate NCFE)

Unit 1: Entrepreneurship, business organisation and stakeholders - *Being an entrepreneur, motivators, skills and attributes, financial aims and objectives, structures, stakeholders, stakeholder engagement and conflict.*

Health and Social Care (BTEC Edexcel)

Human Lifespan Development - *Physical, intellectual, emotional and social development across the human lifespan, and the factors affecting development and the effects of ageing.*

Computer Science (Edexcel)

01P – Representation of Numbers in Binary and 02P – *Binary division/multiplication - Binary to Denary Conversion using 8-bit unsigned binary numbers, Rules of binary addition, Overflow errors. Representation of letters, hexadecimal, and negative numbers in binary.*

iMedia (OCR)

Visual Identity and Digital Graphics - *Creating planning documents for a graphical product ie: logo. Students will create moodboards, mind maps, graphical mockups and creating the logo.*

Design & Technology (OCR)

Principles of Design and Technology - *Design thinking and communication; design prototypes; materials and properties, desk tidy project.*

Hospitality (Vocational Certificate WJEC)

Health and Safety in Hospitality and Catering Provision - *Control of Substances Hazardous to Health Regulations (COSHH) 2002, Health and Safety at Work Act 1974, reporting of injuries, accident forms, risk assessments, health and safety training.*

Physical Education – Girls CORE

Games - Netball OR Hockey - *Practice of core techniques and skills, rules, decision making*
PE - Badminton OR Dance - *Performance of movement in isolation, developing sequence*

Physical Education – Boys CORE

Games - Rugby OR Hockey - *Practice of core techniques and skills, rules, decision making*
PE - Gymnastics OR Fitness - *Performance of movement in isolation, developing sequence*

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

Diversity - *Diversity in Britain, racism, radicalisation, extremism*

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