

English

Topics: Modern text (*An Inspector Calls* by J.B. Priestley); Language paper 2 (writers' viewpoints and perspectives).

Key knowledge: Drama conventions; text written for performance; embedding knowledge of 20th Century context; morality and responsibility as key themes in a play; features of a play; language techniques used for arguing, persuading and informing.

Key skills: Inference using two texts; analysis of language techniques; comparison of two texts; oracy and discussion; writing in role; role play; deducing and analysing ideas using historical context.

English language specification:

<https://www.aqa.org.uk/subjects/english/gcse/english-language-8700/changes-for-2022>

English literature specification:

<https://www.aqa.org.uk/subjects/english/gcse/english-literature-8702>

RE

Topics: Arguments for the existence of God; Religious teachings on relationships and families in the 21st Century; Catholic Christianity – beliefs, practices and teaching.

Key knowledge: Significance and importance of beliefs, issues and practices to Catholics today; how the Bible and other sources of wisdom and authority informs Christian perspectives; how approaches to issues are underpinned by philosophical arguments and ethical theory.

Key skills: Interpret and apply religious evidence; compare and contrast religious and non-religious views; justify viewpoints; write an effective argument with a focus on providing arguments, appraisal of evidence and writing a conclusion.

Specification:

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/religious-studies-b-2016.html>

Introduction:

This document provides a snapshot of the learning diet for our pupils in each term in Year 10. During this year, all pupils study the core subjects of English, Maths, Science and RE. Most pupils study Spanish and Geography or History, and then have a third option subject.



Year 10 Curriculum overview Autumn term

Core PE

Sports: Football; fitness; trampolining.

Key knowledge: Rules; regulations; components of fitness; routines; ways to challenge the body.

Key skills: Passing; ball control; set pieces; tactics; coordination; balance; endurance; landings; twists; aerobic endurance.

PSHE

Topics: Mental health; Healthy relationships.

Key ideas: Mental health and ill health; stigma; safeguarding health; relationships and sex; expectations; myths; impact of media and pornography.

Relationships and sex education topics: Self-image; values, attitudes and beliefs; parenthood; pregnancy; abortion; abuse.

Maths

Topics (Foundation): Line graphs; Transformations; Ratio and proportion. **Key knowledge (Foundation):** Gradients from graphs, $y=mx + c$; distance, speed and time; translating shapes; ratios; converting between units; proportion problems

Key skills (Foundation): Substituting into equations; sketching graphs; translating shapes; drawing reflections and rotations; transforming shapes; using metric conversions; finding HCFs.

Topics (Higher): Equations and inequalities; Probability; Multiplicative reasoning.

Key knowledge (Higher): Quadratic equations; simultaneous equations; inequalities; probability; Venn diagrams; ratio and proportion.

Key skills (Higher): Solving and rearranging equations; factorising quadratic expressions; add and multiply fractions and decimals; percentages; converting units.

Specification:

<https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html>

Science

Topics: Infection and response; Quantitative chemistry; Particle model of matter; Bioenergetics.

Key knowledge: Communicable disease; immune system; vaccination; mass in reactions; moles; particle theory; density; pressure; photosynthesis; respiration; effect of exercise. **Key skills:** Investigating bacterial growth; calculations of masses in chemical reactions; determining an object's density; measuring rates of photosynthesis; graph interpretation.

Biology specification:

<https://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF>

Chemistry specification:

<https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

Combined Science specification:

<https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF>

Physics specification:

<https://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF>

Spanish

Topics: Home, town, neighbourhood and region; Healthy / unhealthy living

Key knowledge: Pros and cons of living in towns / countryside; the dangers of unhealthy eating.

Key skills: Understanding and responding to different types of spoken and written language; communicating effectively in writing for a variety of purposes .

GCSE PE

Topics: The muscular system; The cardiovascular and respiratory systems; Practical (basketball, table tennis; football; handball).

Key knowledge: Major muscle groups; movement; structure and function of organ systems; aerobic and anaerobic exercise.

Key skills: Practical skills.

Business Studies

Topics: Putting a business idea into practise and making it effective.

Key knowledge: Business calculations; cash flow statements; ownership; marketing; business plans and location.

Key skills: Maths-based calculations in business; graph analysis.

Computer Science

Topics: Algorithms; Boolean logic; Data representation.

Key knowledge: Term and processes in computational thinking; logic circuits; conversions.

Key skills: Write algorithms, binary conversions, binary additions and hex conversions; draw logic diagrams.

Vocational Sport

Topics: Sports leadership; Barriers affecting sports participation; Practical: Basketball.

Key knowledge: Qualities; styles; roles and responsibilities associated with effective sports leadership; user groups; barriers and solutions that affect sports participation.

Key skills: Leadership.

History

Topics: The Elizabethan Age (1558-1603).

Key knowledge: The government of Elizabeth I; Elizabethan society; religious conflict; the Spanish Armada; the Puritans.

Key skills: Assessing accuracy of sources; significance of a key event; making connections; explaining interpretations of events or individuals.



Year 10 Curriculum overview Autumn term

Music

Topics: Musical knowledge.

Key skills: Develop research skills; build a wider contextual and theoretical knowledge of contemporary music.

Art

Topics: Fragments.

Key knowledge: Key artists and designers; using research sources; how ideas are communicated.

Key skills: Analysing the work of others; drawing and observational skills; tools and equipment skills.

Geography

Topics: Urbanisation; Urban and rural processes; Retail; Leisure.

Key knowledge: How cities have grown; patterns of migration; evolution of retail; leisure provisions in the UK.

Key skills: Map skills; problem-solving; enquiry; analysis of data and graphs; evaluating and drawing conclusions; oracy; literacy.

Drama

Topics: Performing text.

Key knowledge: Modern text (Blood Brothers); Classic text (Macbeth).

Key skills: Vocal dexterity; interpretation of character and text; verbal and non-verbal communication; peer and self review.

Design & Technology

Topics: Story time with paper and boards.

Key knowledge: Mechanisms; types of paper and boards; types of movement.

Key skills: Graphically illustrating ideas; basic models; researching graphic designers.

Film Studies

Topics: Film aesthetics; 'Attack the Block' narrative of a global film; 'Slumdog Millionaire'.

Key knowledge: Film aesthetics; lighting; editing; negative representation of working classes; Hoodie Horror genre; Todorov's narrative theory; narrative threads; key events in the history of film timeline.

Key skills: Independent research; film analysis; analysis of the effects of different narrative techniques; information retrieval.

Photography

Topics: "All about Photography"; "All about me".

Key knowledge: Parts of a DSLR camera; genres; photographers' work.

Key skills: Research skills; presentation skills.

English

Topics: Poetry (anthology of poems); Drama text (*Much Ado About Nothing* by William Shakespeare).

Key knowledge: Poetic techniques used to create meaning; poetic form, structure and language devices; embedding key knowledge of context; drama conventions and text written for performance; features of a play / script.

Key skills: Distilling meaning in poetry; analysis of language techniques and methods in a poem; analysis and evaluation of quotes, themes, form, structure and language in a poem; oracy and role play; evaluating techniques used in drama.

English language specification:

<https://www.aqa.org.uk/subjects/english/gcse/english-language-8700/changes-for-2022>

English literature specification:

<https://www.aqa.org.uk/subjects/english/gcse/english-literature-8702>

RE

Topics: Revision of Catholic Christianity (beliefs, teachings and practices) and Islam.

Key knowledge: Significance and importance of beliefs, issues and practices to Catholics, other Christians and Muslims today; how the Bible, Qur'an and other sources of wisdom and authority informs Christian perspectives; how approaches to issues are underpinned by philosophical arguments and ethical theory.

Key skills: Interpret and apply religious evidence; compare and contrast religious and non-religious views; justify viewpoints; write an effective argument with a focus on providing arguments, appraisal of evidence and writing a conclusion.

Specification:

<https://qualifications.pearson.com/en/qualifications/edexcel-gcse/religious-studies-b-2016.html>



Year 10 Curriculum overview Spring term

Core PE

Sports: Handball; badminton / table tennis; netball; football.

Key knowledge: Rules; positions; strategies; regulations; role of the umpire; tactics.

Key skills: Passing; dribbling; shooting; leadership; teamwork; serve; shot types; doubles strategies; coaching skills.

PSHE

Topics: Work experience; Exploring influence.

Key ideas: Evaluation of work experience; readiness for work; influence and impact of drugs; gangs; role models and the media.

Maths

Topics (Foundation): Right-angled triangles; Probability; Multiplicative reasoning.

Key knowledge (Foundation): Pythagoras' theorem; trigonometry; probabilities; Venn diagrams; probability; converting measures; ratio and proportion.

Key skills (Foundation): Calculating squares and square roots; rearranging equations; calculating probabilities; converting measures; calculating percentages.

Topics (Higher): Similarity and congruence; Trigonometry; Statistics.

Key knowledge (Higher): Congruence; geometric proof; similarity; calculating areas; cosine rule; sampling; cumulative frequency; histograms; box plots.

Key skills (Higher): Enlarging shapes; knowing angle facts; applying Pythagoras and trigonometry; interpreting data.

Specification:

<https://qualifications.pearson.com/en/qualifications/edexcel-gcse/mathematics-2015.html>

Science

Topics: Chemical changes; Atomic structure; Homeostasis.

Key knowledge: Reactivity series; reactions of acids; electrolysis; atomic structure; radioactivity; nervous system; hormonal control; reproduction; plant hormones (GCSE Biology only).

Key skills: Determining reactivity; constructing chemical equations; interpreting nuclear equations; evaluating risk; interpreting feedback loops.

Biology specification:

<https://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF>

Chemistry specification:

<https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

Combined Science specification:

<https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF>

Physics specification:

<https://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF>

Spanish

Topics: Family & relationships; Free-time activities; Customs & Festivals

Key knowledge: Relationships with family and friends; marriage and partnerships.

Key skills: Understanding and responding to different types of spoken and written language; communicating effectively in writing for a variety of purposes.

GCSE PE

Topics: Effects of exercise; Engagement of different social groups; Commercialisation of physical activity and sport.

Key knowledge: Effects of exercise; movement analysis; physical activity in the UK; participation; sport in the media.

Key skills: Practical assessment.

Business Studies

Topics: External influences and growing a business.

Key knowledge: Stakeholders; technology; employment and consumer law; economic factors; sources of finance; globalisation; ethical considerations.

Key skills: Analysing how business decisions are dependent on internal and external influences; assessing impact of this.

Computer Science

Topics: SQL; Algorithms; Python programming; Robust programs.

Key knowledge: SQL to search data records; applying defensive design and authentication methods to real-world problems.

Key skills: Write SQL queries; write pseudocode and flow charts; problem-solving; logical reasons; writing programs.

Vocational Sport

Topics: Evaluating own performance / officiating; Practical - Table Tennis; Major sporting events and NGBs.

Key knowledge: The impact of major sporting events; role and responsibility of NGBs.

Key skills: Analysing performance; enforcing rules and regulations.

History

Topics: Germany in transition (1919 – 1939).

Key knowledge: Early Weimar Republic problems; collapse of the Weimar Republic; the rise of Hitler and the Nazis; events leading to World War II.

Key skills: Use of source to describe; explaining purpose of source; judging usefulness of sources; interpretations of events.



Year 10 Curriculum overview Spring term

Music

Topics: Music sequencing and production.

Key skills: Appreciate the key functions of a sequencing package; put these functions into practice; layout of the DAW.

Art

Topics: Reflection.

Key knowledge: Different resources; refinement in work; artistic techniques.

Key skills: Analyse the work of others; record observational drawings; using tools and equipment skilfully.

Geography

Topics: Development and aid; Coasts.

Key knowledge: Patterns of global development; types of aid; landscapes and formations of UK coasts; management techniques.

Key skills: Map skills; problem-solving; enquiry; analysis of data and graphs; evaluating and drawing conclusions.

Drama

Topics: Performing text.

Key knowledge: Modern text (Blood Brothers); Classic text (Macbeth).

Key skills: Vocal dexterity; interpretation of character and text; verbal and non-verbal communication; peer and self review.

Design & Technology

Topics: Sustainable living.

Key knowledge: How to use waste materials; properties of materials; sustainability; the environment; the 6 R's.

Key skills: Investigate materials; generating ideas; design skills; use of tools, equipment and machinery.

Film Studies

Topics: Creating a film short.

Key knowledge: Effective openings; codes and conventions of the psychological horror subgenre; editing software; CMES techniques.

Key skills: Practical skills (equipment, editing software, green screen and lighting); communication; cultural awareness; teamwork; evaluation.

Photography

Topics: "Reflection".

Key knowledge: Specific artists; lighting and studio work.

Key skills: Research skills; presenting initial ideas; materials, processes and techniques; camera skills.

English

Topics: Spoken language; Language paper 1 (explorations in creative reading and writing); 19th Century novel (*A Christmas Carol* by Charles Dickens).

Key knowledge: Use of voice, tone and techniques to engage an audience; embedding key knowledge of 19th Century context; conventions of a novella; text being used as a moral message; narrative / descriptive writing; conventions of fiction text; language techniques used for creative writing; text type.

Key skills: Speaking and listening; analysis of language techniques; retrieval of evidence; evaluation of opinions; writing using a narrative voice; selecting and analysing quotes.

English language specification:

<https://www.aqa.org.uk/subjects/english/gcse/english-language-8700/changes-for-2022>

English literature specification:

<https://www.aqa.org.uk/subjects/english/gcse/english-literature-8702>



Year 10 Curriculum overview Summer term

RE

Topics: Revision of arguments for the existence of God and religious teachings on relationships and families.

Key knowledge: Significance and importance of beliefs, issues and practices to Catholics today; how the Bible and other sources of wisdom and authority informs Christian perspectives; how approaches to issues are underpinned by philosophical arguments and ethical theory.

Key skills: Interpret and apply religious evidence; compare and contrast religious and non-religious views; justify viewpoints; write an effective argument with a focus on providing arguments, appraisal of evidence and writing a conclusion.

Specification:

<https://qualifications.pearson.com/en/qualifications/edexcel-gcse/religious-studies-b-2016.html>

Core PE

Sports: Cricket / rounders / softball; athletics; tennis.

Key knowledge: Tactics; bowling and batting strategies; rules.

Key skills: Throwing; catching; bowling; batting; hand-eye coordination; athletics techniques; serve; shot type.

PSHE

Topics: Addressing extremism and radicalisation; Financial decision-making.

Key ideas: Communities; belonging; challenging extremism; impact of financial decisions; debt; gambling; advertising.

Maths

Topics (Foundation): Constructions, loci and bearings; Quadratics; Perimeter, area and volume.

Key knowledge (Foundation): Loci and bearings; drawing shapes; circles, cylinders, cones and pyramids.

Key skills (Foundation): Drawing accurately; draw loci; find and use three-figure bearings; plot graphs of quadratic functions; solve quadratic equations; carry out shape calculations.

Topics (Higher): Equations and graphs; Circle theorems; Algebra.

Key knowledge (Higher): Simultaneous equations; inequalities; quadratic functions; circle theorems; tangents; angles in circles; algebraic functions; surds; functions; proof.

Key skills (Higher): Solve quadratic, linear and simultaneous equations; draw circles; simplify surds; manipulate algebraic expressions.

Specification:

<https://qualifications.pearson.com/en/qualifications/edexcel-gcse/mathematics-2015.html>

Science

Topics: Energy changes; Rates of reaction; Ecology.

Key knowledge: Endothermic and exothermic reactions; fuel cells (GCSE Chemistry only); rates of chemical reactions; reversible reactions; living things; food webs; materials cycling; human impacts.

Key skills: Measuring temperature changes; interpreting graphs; calculating rate; interpreting food webs; estimating population size.

Biology specification:

<https://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF>

Chemistry specification:

<https://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

Combined Science specification:

<https://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF>

Spanish

Topics: Technology in everyday life.

Key knowledge: The impact of social media and technology on people's lives.

Key skills: Understanding and responding to different types of spoken and written language; communicating effectively in writing for a variety of purposes; communicating and interacting effectively in speech for a variety of purposes.

GCSE PE

Topics: Commercialisation of physical activity and sport; Ethical and social-cultural issues; Performance in Physical Education.

Key knowledge: Sport in the media; ethics in sport; drugs in sport; violence in sport.

Key skills: Analysing and evaluating performance.

Business Studies

Topics: Making marketing and operational decisions.

Key knowledge: Product life cycle; design mix; pricing strategies; promotion; managing stock; logistics and procurement.

Key skills: Drawing and extrapolating information from a stock bar graph; justifying business decisions.

Computer Science

Topics: Python programming; The IDE; Computer networks; Network security.

Key knowledge: Design and authentication methods; networks and their hardware.

Key skills: Write programs; problem-solving; communication protocols.

Vocational Sport

Topics: Sports leadership .

Key knowledge: Safe practice; delivery styles; activity specific knowledge.

Key skills: Communication; motivation techniques; adaptability .

History

Topics: Development of the USA (1929 – 2000).

Key knowledge: Impact of the Great Depression; political and social change after 1945; foreign policy from 1945 to 1999.

Key skills: Describe a key event; analyse and assess change; explain significance of factors; provide explanation for a key event.



Year 10 Curriculum overview Summer term

Music

Topics: Using a DAW.

Key skills: Create a piece of music inputted into a sequencer in real time.

Art

Topics: Personal project – exhibition piece.

Key knowledge: Working to a personal brief.

Key skills: Experimenting with and exploring techniques and processes; creating a final outcome.

Geography

Topics: Rivers; Climate change; Fieldwork skills.

Key knowledge: Landscapes and formations of UK rivers; management techniques; causes, effects and solutions of climate change; data collection and analysis.

Key skills: Map skills; problem-solving; analysis of data and graphs; evaluating and drawing conclusions; fieldwork.

Drama

Topics: Devising; Live performance.

Key knowledge: Creating theatre from a stimulus; Performance techniques; Practitioner techniques.

Key skills: Understanding the nature of the performance; repertoire; presentation and projection; responding to cues.

Design & Technology

Topics: Iconic designers; Construct and deconstruct; NEA topics.

Key knowledge: Key designers; flat packed products; components, fixtures and fittings; roles in industry; production methods.

Key skills: Present investigations; collaboration; modelling.

Film Studies

Topics: Social, cultural and political influences of the film '*Spirited Away*'.

Key knowledge: Japanese culture; cultural representation; how films are influenced global cinema and Hollywood; imperialism; theory of binary opposites.

Key skills: Independent research; film analysis; analysis of the effects of different narrative techniques; information retrieval.

Photography

Topics: Personal project – exhibition piece.

Key knowledge: Installation; working to a personal brief.

Key skills: Experimenting with and exploring techniques and processes; creating a final outcome.