



Year 11 Curriculum Content Overview

Subjects	Autumn term 2023
Art, Craft and Design	Students are reviewing and improving teacher and self-feedback on their Environment theme and their John Lewis client brief ceramic project.
Biology - Combined Science	Students study: Topic 7- animal coordination, control and homeostasis: Hormones Metabolism, the menstrual cycle, Hormones and the menstrual cycle, Controlling blood glucose, Type 1+2 diabetes Topic 8- exchange and transport in animals: Efficient transport and exchange, The circulatory system, The heart
Biology - Triple	Students study: Topic 7- animal coordination, control and homeostasis: Hormones, Metabolism, the menstrual cycle, Hormones and the menstrual cycle, Controlling blood glucose, Type 1+2 diabetes, Thermoregulation, Osmoregulation And The kidneys Topic 8- exchange and transport in animals: Efficient transport and exchange, The circulatory system, The heart
Chemistry - Combined Science	Students study: Topic 5a Chemical change. Electrolysis, molten electrolysis, solution electrolysis, electrolysis core practical, metals and metal extraction, extraction using carbon, extraction using electrolysis, recycling metals and life-cycle assessments. Equilibria, the Haber process and making ammonia
Chemistry - Triple	Students study: Topic 5b More metals. Transition metals, corrosion, electroplating, alloys Topic 6 Calculations 2. %Yield and atom economy, titrations and titration calculations, gas volume calculations, equilibria, factors that affect the position of equilibrium, the Haber process and making ammonia, batteries and fuel cells
Child Development	Students will be focusing on observations and how to interpret them (CA8) and planning within the early years (CA9). They will also complete a mock NEA
Combined Science	
Computer Science	In term 1 the students will complete relational databases and SQL before focusing on programming revision required to prepare them for their paper 1 mock. In spring they will complete their final unit of legal, ethical and environmental impacts on the digital world before then completing further revision ahead of their final paper 2 mock.



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Creative Digital Media	Students will focus on examining a client brief for information on the nature of the product they will create. They will then be given a brief for the mock exam and must research, plan for and create all the materials for a product, ensuring it fits the demands of the brief.
Design and Technology	<p>Area of focus 1: NEA (Non-Examined Assessment) students will complete their folders of making as well as solving a real-world problem. This is a student-led task with teachers' support.</p> <p>Area of focus 2: This unit focuses on energy, materials, systems and devices. It covers the categories and properties of a complete range of core materials within each of five specialist areas. The materials are covered through practical applications and with reference to the key material category in which they belong. The specific physical and working properties that best describe each material subcategory are identified and defined with reference to use and knowledge that will underpin practical designing and making activities.</p> <p>Sub focus:</p> <ul style="list-style-type: none">● Energy generation● Energy storage● Modern materials● Smart materials● Composite materials and technical textiles● Systems approach to designing● Electronic systems processing● Mechanical devices
Digital Information Technology	In term 1 students will focus on component 3 effective digital learning practices before completing their first mock exam paper. In term 2 they will revise ahead of their component 3 external exam (Feb) and then focus on completing their final component 2 internal assessment.
Drama	Students are responding to feedback on their Component 2: Devising Drama Logbooks. Revising and extending their understanding of the demands of Component:1 Understanding Drama (written paper) in relation to their Set Text Blood Brothers.
English Language	Students are reviewing skills as part of HL this half term.
English Literature	Students are revisiting 'An Inspector Calls' in preparation for their English Literature Paper: 2 examination.



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Food Preparation and Nutrition	Students to be completing NEA1 with a range of practical experiments.
French	Travel and tourism (Holidays and travel - Regions of France) My studies (School and subjects)
Geography	People and the Biosphere, Urban Fieldwork, Forests Under Threat, Consuming Energy Resources and Decision-Making Exercise.
German	Travel and tourism (Holidays and travel) My studies (School and subjects)
Graphic Design	Students undertake a mock NEA project whereby each of the 7 tasks are practiced to prepare for the actual NEA which takes place later in the year. In addition to this a revision program is undertaken that re-visits all of the component units covered in Year 10.
Hair and Beauty	Design in the Hair and beauty sector. Written Practice of Task 3 in the synoptic assessment. Practical skills in hair, make-up and nails eras.
Health and Fitness	Lifestyle choices and their impact on health and fitness (activity levels, sedentary lifestyle, diet, nutrition, rest, sleep, drugs, alcohol, stress)
Hospitality and Catering	Students will be focusing on unit 1- hospitality and catering industry. This will include how hospitality and catering providers operate, health and safety in hospitality and catering and food safety. They will also start to research ideas and practical tasks for unit 2 with a range of client briefs.
History	drake and his circumnavigation and the Cold War and the development of tension between the USA and the USSR 1945-1972
Maths (H)	Algebra, Graphs Functions Transforming graphs
Maths (F)	Solving Equations, Plotting linear graphs, Simultaneous equations graphically
Maths (Support)	Geometry - Perimeter Area
Music	Unit 2: Composition 2 and Ensemble Performance, Listening and Appraising Music; The Conventions of Pop, The Concerto Through Time, Rhythms of the World and Film Music - retrieval of all GCSE topics



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Physical Education (Core)	Student choice of practical activity. Apply Fit 4 Life principles to their practical lessons.
Photography	<p>Students study</p> <p>Component 1: A portfolio consisting of photoshoots, artists analysis, refinement techniques and final outcomes, within this student led project students are expected to create a narrative encompassing all the assessment objectives,</p> <p>AO1: Develop AO2: Refine AO3: Record AO4 Present</p> <p>Component 2: A portfolio of work in response to OCR Exam paper released in January this portfolio will include; photoshoots, artists analysis, refinement techniques and a final outcome which will be produced during a 10 hour exam.</p>
Physical Education (GCSE)	Socio-Cultural influences on sport participation (participation patterns, technology, spectator behaviour, ethics and sport, commercialisation and sport)
Physics - Combined Science	<p>CP9 - Electricity and circuits - students learn:</p> <ul style="list-style-type: none">- About current, charge and PD- How to calculate resistance, power and energy transferred- About components with changing resistance- About the UK domestic electricity supply and electrical safety features in homes <p>CP10 - Magnetism and the Motor Effect - students learn:</p> <ul style="list-style-type: none">- About permanent and induced magnets, and how to represent a magnetic field- About the magnetic field around a current in a wire and the factors that affect it- How the fields from the individual coils in a solenoid interact <p>CP11 - Electromagnetic induction - students learn:</p> <ul style="list-style-type: none">- How to use the power equation for transformers- How transformers are used in the national grid- How a current can be induced in a wire and the factors that affect it- How to work out the size and direction of the force on a wire carrying a current in a magnetic field.
Physics - Triple	<p>SP10 - Electricity and circuits - students learn:</p> <ul style="list-style-type: none">- About current, charge and PD- How to calculate resistance, power and energy transferred- About components with changing resistance- About the UK domestic electricity supply and electrical safety features in homes



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	<ul style="list-style-type: none">- How earthing works and why it is important SP11 - Static electricity - students learn: <ul style="list-style-type: none">- About the shape and size of electric fields and how they explain some phenomena caused by static electricity SP12 - Magnetism and the Motor Effect - students learn: <ul style="list-style-type: none">- About permanent and induced magnets, and how to represent a magnetic field- About the magnetic field around a current in a wire and the factors that affect it- How the fields from the individual coils in a solenoid interact SP13 - Electromagnetic induction - students learn: <ul style="list-style-type: none">- How to use the power equation for transformers- How transformers are used in the national grid- How to use the turns ratio equation for transformers- How a current can be induced in a wire and the factors that affect it- How to work out the size and direction of the force on a wire carrying a current in a magnetic field.
PSHE	Further education, Communication in relationships, pregnancy and parenthood (RS unit), Responsible independent health choices
Psychology	Brain and neuropsychology, Psychological problems.
Religious Studies	Beliefs in God and Revelation, Crime and Punishment, Retrieval of all GCSE topics
Sociology	Crime and Deviance, Social Stratification, Retrieval of all GCSE topics
Spanish	Travel and tourism (Holidays and travel) My studies (School and subjects), Life at school and college, Jobs, career choices and ambitions