

Year 10

Subject	Topic Overview	8 June 2020	15 June 2020	22 June 2020	29 June 2020	6 July 2020	13 July 2020
English	Explore presentation of age and family relationships in Literature through prose and poetry.	Can I select and retrieve information and explain writer's methods?	Can I use a range of methods to engage the reader?	How is old age and youth stereotyped in Literature?	How are relationships between siblings portrayed in Literature?	How are parent-child relationships portrayed in Literature?	Can I use a range of methods to portray my ideas effectively?
Maths	Students will be asked to complete a series of tasks within different units each week. Each unit consists of a video, a PowerPoint and a student workbook. Students will build core mathematical skills working through each unit. Each unit should take 4-6 hours to complete.	Week 1 – Factors, Multiples and primes (Home learning): Students will be asked to look through the video and PowerPoint that will be provided to them through Microsoft Teams.	Week 2 – Area and Pythagoras (Home/School learning): Students will be asked to look through the video and PowerPoint that will be provided to them through Microsoft Teams.	Week 3 – Sequences and forming equations (Home/School learning): Students will be asked to look through the video and PowerPoint that will be provided to them through Microsoft Teams.	Week 4 – Brackets and factorising (Home/School learning): Students will be asked to look through the video and PowerPoint that will be provided to them through Microsoft Teams.	Week 5 – Decimals (Home/School learning): Students will be asked to look through the video and PowerPoint that will be provided to them through Microsoft Teams.	Week 6 – Averages (Home/School learning): Students will be asked to look through the video and PowerPoint that will be provided to them through Microsoft Teams.
Science (Combined)	Biology: Ecosystem and levels of organisations within the ecosystem Chemistry: Crude oil and separating crude oil into different fractions Physics: To learn about density of objects and specific heat capacity of	Understanding levels of organisation within an ecosystem and how sampling is used within ecosystems.	Understanding the term biodiversity and how it is affected by human activities.	Understanding the composition of crude oil and how different fuels and substances are separated from crude oil	Understanding what complete and incomplete combustions are and problems caused by the combustion of fuels	Understanding what density is and how it can be calculated.	Understanding the property of specific heat capacity and calculating it for different materials.

	materials						
Science (Biology)	Ecosystems This topic explores the organisation of ecosystems, abiotic and biotic factors and communities, parasitism, and biodiversity	Understanding levels of organisation within an ecosystem and how sampling is used within ecosystems.	Understanding how non-living factors affect organisms in a habitat.	Understanding how living factors affect organisms in a habitat.	Understanding the term biodiversity and how it is affected by human activities.	Understanding what factors can lead to food scarcity and techniques which can help increase supply.	Practice exam questions covering this term's work on Ecosystems.
Science (Chemistry)	This topic explores different organic compounds and their structure and properties such as alkanes, alkenes alcohols, carboxylic acids and polymers	Understanding the structure and properties of alkanes and alkenes	Understanding the production of ethanol and the properties of alcohols	Understanding the group of compounds called carboxylic acids	Understanding what polymers are and how addition polymers are formed	Understanding what condensation polymers are	Understanding the problems caused by polymers
Science (Physics)	Particle model	Understanding the definition of density and how to calculate it.	Understanding how energy causes a change of state.	Understanding how adding energy to a system affects it.	Understanding the property of specific heat capacity and calculating it for different materials.	Explore the topic of latent heat and how to calculate it.	understanding that particles in a gas are always moving use this to explain properties such as pressure.
History	The focus of this term is to recap and revise the two units that make up Paper 1. American 1920-1973 (Opportunity and Inequality) & Conflict and Tension between	USA 1920-73: Social and cultural developments in the 1920s - Pages 20-23	CONFLICT & TENSION 1945-1972: The Iron Curtain and the evolution of East-West Rivalry - Pages 18-25	USA 1920-73: Divided society - Pages 24-31	CONFLICT & TENSION 1945-1972: The significance of Asia – Pages 26-31	USA 1920-73: American society during the Depression – Pages 32-37	CONFLICT & TENSION 1945-1972: Military Rivalries – Pages 32-37

	East and West.						
Geography	Development & Trade – How development is measured and why countries differ in development levels	Introduction to development and How it can be measured	Factors influencing development and Global patterns of development	UK development over time & Uneven development impacts of Quality of life	International strategies for reduce uneven development & Development projects	Sustainable development goals & The role of gender equality in development	Introduction to trade & How the UK trades with the world
French	Theme 2: Global and International Dimension: Students to develop their listening, reading, speaking and writing skills through the topic of environment, charity / volunteering work and poverty	An eye on the world	Problems facing the planet	Protecting the planet Part 1	Protecting the planet Part 2	Volunteering Part 1	Volunteering Part 2
Engineering	Understanding Engineering materials properties. Their strengths, shaping, joining and uses	Understanding the difference between ferrous and non-ferrous metals	Understanding the difference between thermoplastics and thermoset plastic	Other materials used in Engineering	The testing of engineering materials	Understand modern production methods used in engineering environments	Complete a past exam paper to consolidate work done this school year
Construction	Job roles involved in realising construction and built environment projects	Contractor's team (builder/site engineer, site supervisor, safety officer,	Responsibilities Client's team (client, architect, engineer, quantity surveyor, project	Construction projects - Refurbishments - Extensions	Processes - Handover to client (commissioning handover)	Calculate - Area - Volume - Percentages - Scaling	Factors - Internal e.g. lack of qualified and certified key

		tradespersons, specialist sub-contractors)	manager, designer)		- Maintenance	- Best value - Tolerances - VAT - Tender price	personnel Sources of information - Drawings - Catalogues
Hospitality and Catering	Health and safety: responsibilities of employers and employees for personal safety. Risks and control measures	Laws about Health and Safety	Risks and control measures	Personal safety	How hospitality and catering provision operates	Types of equipment used in the kitchen	The operation of front of house and meeting customer requirements
Design and Technology	Planning for the NEA non examination assessment worth 50% of the final GCSE grade. Students will undertake a single 'design and make' activity, which will arise from investigating one of three Contextual Challenges set by AQA.	Research and analysis of the 3 contextual challenges: 1. Multifunctional living 2. Teenage lifestyle 3. Nature and the environment	Using research decide on 1 of the contextual challenges for your NEA.	Using initial research to write your own design brief.	Identifying the target market and consumer	Researching existing products to inform design ideas and decisions.	Creating initial ideas using primary and secondary research.
Health and Social Care (Ms Clarke)	Unit 2: Learners study and explore practically, health and social care services and how they meet the needs of real service users. They also develop skills in applying care values.	Understand the different types of health and social care services and barriers to accessing them.	Coursework Practice and Introduction	Learning Aim, A: Section 1 Learners will explore the health and social care services that are available and why individuals may need to use them.	Learning Aim, A: Section 1&2 Learners will also explore barriers that can make it difficult to use these services and how these barriers can be overcome.	Learning Aim, A: Section 2 & 3.	Learning Aim, A: Section 3

Health and Social Care (Mr Effah)	Component 2 Learning Aim A: Health and Social Care Services and Values	Primary Care	Secondary and Tertiary Care	Allied health professionals	Services for children and young people	Services for adults or children with specific needs	Services for adults
Sports Studies	OCR Cambridge National Sports Studies. In this unit of work, you will explore skills, tactics, strategies and ways to improve sports performance.	Go to www.tcape.co.uk watch the instruction video and complete the task on developing sports skills	Go to www.tcape.co.uk watch the instruction video and complete the task on tactics and strategies used in sport	Go to www.tcape.co.uk watch the instruction video and complete the task on identify ways to improve performance	Go to www.tcape.co.uk watch the instruction video and complete the task on identifying ways to improve performance	Go to www.tcape.co.uk watch the instruction video and complete the task on developing a training programme that will help develop performance	Go to www.tcape.co.uk watch the instruction video and complete the task on justification of your training programme
Music	Further develop your Knowledge of working in the Music Industry with a focus on specific areas of the industry	Venues and Live Performance To develop your knowledge of live performance venues	Health and Safety To develop your knowledge of Health and Safety legislation	Record Companies To develop your knowledge on Record companies both large and independent	Unions To develop your knowledge of Unions within the Music Industry	Licensing and copyright To develop your knowledge of Licensing and copyright within the Music Industry	Revision and exam questions To consolidate your learning and mark your progress.
Business Studies	Designing a Business Proposal: Students will complete an in-depth business proposal consisting of four main tasks, all of which will cover marketing and business concepts. This work has already	Analyse market research findings from primary and secondary research. (This is part 2 Task b)	Produce designs for the business challenge that has been set, using creative techniques (this is part a of Task 3)	Produce designs for the business challenge that has been set, preparing a justification and critical review of their design concepts. (this is part b of Task 3)	Be able to review whether a business proposal is viable (this is part a of Task 4)	Be able to review whether a business proposal is viable (this is part b of Task 4)	Be able to review whether a business proposal is viable (this is part c of Task 4)

	started. This is assessed coursework.						
GCSE Art and Design (Mr Clifford)	Unit one project: evidencing progress in sketchbook planning for final piece	Documenting a range of new photography relevant to the current project	Secondary source drawings from photographs	Exploring Artists research relevant to personal study	Presenting evidence of experimentation with different techniques related to chosen painting styles	Painting skills: Carefully apply paint (or a different colour media) to your image	Planning for final large-scale outcome relevant to all work produced in sketchbook
GCSE Art and Design (Mr Birch)	Mini 6 week Art project based around Natural Forms.	Take inspiration from local wildlife and recreate one of your choice.	Research the choice of wildlife and create a factsheet.	Re-create the drawing in a new media.	Research the Artist Elizabeth Goluch	Reflect on past work and combine it to create one final piece.	Create the final piece and assess it.
3D Art (Ms Loosemore)	Concluding the planning for the first major project and beginning the planning for the Mock Exam for Year 11	To add a different construction method using the chosen project title as inspiration	To add a further construction method using the chosen project title as inspiration	Create further 3D evidence for AO2 using Air drying clay	To continue to create further 3D evidence for AO2 using Air drying clay	To finalise the planning for the current project	Introduce the new project