

YEAR 10 TERMLY CURRICULUM

YEAR 10	ART	BIOLOGY	CHEMISTRY	COMBINED SCIENCE	COMPUTER SCIENCE	DESIGN AND TECHNOLOGY	DRAMA	ENGLISH LANGUAGE	ENGLISH LITERATURE	GEOGRAPHY	HISTORY	MATHEMATICS	MEDIA STUDIES	MODERN FOREIGN LANGUAGES	PHYSICAL EDUCATION	PHYSICS	RELIGIOUS SOCIAL CULTURAL STUDIES	SOCIOLOGY
Term 1	Students are given the assessment objectives for the GCSE coursework, exemplar work is shown so that all students have written and visual examples of how to achieve levels in art. Students will start the term by thinking about project ideas after choosing a title for their coursework from 3 given by the art teacher. All elements of the process are checked with the teacher so that student are sure of the expected elements and how to achieve them. Students need to start drawing in pencil so they can build up their skill levels.	SB6: Plant. Exploring photosynthesis and factors that affect it. Plant adaptations and Plant hormones, their effects and uses. AND SB7: Hormones and communication. Exploring how hormones control blood sugar levels, the menstrual cycle and osmoregulation through negative feedback cycles as well as thermoregulation and the structure and function of the kidneys.	SC8: Acids and Alkalis. This topic explores the behaviour between acids and alkalis. SC10: Electrolytic Processes. This topic explores how electricity can be used to plate one metal on another.	CB5: Health, Disease and the Development of Medicines. This topic explores various types of diseases, how diseases spread and how we fight different diseases. CB6: Plant Structures and their Functions. This topic explores photosynthesis and how chemicals are transported around the plant. CC14: Rates of Reaction. This topic explores how when you change the conditions surround a reaction how you can adjust the speed at which a product is made. CC17: Earth and Atmospheric Science. This topic	NEA Completion - Students are required to spend 20 hours in timetabled lessons completing the Non-Examined Assessment. Students will develop a solution to a problem defined by the exam board and fully log their progress throughout the project. Completion of the NEA will be intertwined with Paper 2 practice through analysis of flowchart/pseudocode design and testing methods.	Energy consumption, Emerging technologies, Smart modern materials, electronic systems, ferrous and non-ferrous metals	GCSE devising coursework - A mock run and actual course work will be carried out over this period. Performances will be based on a choice of stimulus chosen from a range. Research and rehearsal techniques will be applied before devising and rehearsing will take place, accumulating in a final internally assessed performance (which will be externally moderated). A portfolio will be written alongside this explain students' intentions, development and evaluation of the final performance. The Mock coursework will be carried out first to give opportunities for exploration and understanding of the assessment objectives and portfolio requirements before embarking on the real coursework task.	Power and Conflict Poetry- developing understanding of poems, analysis and comparative skills and exploring context and themes.	Power and Conflict Poetry- developing understanding of poems, analysis and comparative skills and exploring context and themes.	In term 1 year 10 students will study the resource management topic of their exam looking at where food, water and energy supplies are used most around the world, and differences for this. Following this, students will look at how food, water and energy are used in the UK, the changing habits around this - and the issue surrounding this. Finally, students will look into how water supply and usage can be improved both in richer countries and countries both in less sustainable schemes, and more	Term 1 students will continue to study the second module for their exam Conflict and Tension in Asia. Students will explore the Korean War 1950-1953 and the Vietnam War 1955-1975. Students will continue to learn the knowledge and content of the various events in both the war. As well as draw connections of secondary concepts such as cause and consequence to gain a deeper understanding of the topic.	Engage tasks take place every lesson and a close the Gap test every two weeks. Students will factorise quadratic expressions set up and solve quadratic equations. Extension will include solving quadratic equations that need rearranging. They will see elimination or substitution to solve simultaneous equations. Extension will involve setting up and solving a pair of simultaneous equations in two variables.	Music Unit: Music Videos: The purpose of a music video, comparison of 2 key texts and analysis of media language and representation of artist	School Life - Describing your school and your opinions on it. Comparing UK and German schools. Thinking about future plans and careers which involve languages and language skills. Consolidating grammar and skills.	Invasion games - Students are taught a range of different concepts, strategies and tactics through invasion games. This furnishes students with the skills to analyse their own individual and team performances and make a decision as to what the situation requires. Students will understand the different roles in a team and by the end of the unit be able to plan and deliver a drill to improve on an aspect they identify as a weakness for their team. Net and wall games - Students are taught the tactics and rules to be able to play strategically. Once students have a sound understanding they devise their own drills and practices that they will showcase to a smaller group of students.	SP7: Astronomy. The solar system, gravity and orbits, the life cycle of stars, red-shift and the origin of the universe.	Term 1 students will be looking at the variety of different relationships and how the world perceives this. There is a continued focus on sexual health and contraception in this topic alongside the advantages and disadvantages of each. One written assessment will take place during this topic.	Term 1 students will study important issues facing the UK in the 21st century. Understanding the differences between individuals and groups is an important part of Sociology. UK society is constantly changing. Functionalists & New Right Sociologists believe that society is changing too quickly, whereas Feminists and others would see the changes as positive for women and certain other groups. Issues of inequalities will be debated in class and if social inequality is becoming greater. There will be one
	Students will be able to experiment with scale and media choosing images that reflect their chosen project title.	SC11: Obtaining and Using Metals. This topic explores how we extract metals and the Life Cycle of metals. Revision.	CP7: Energy. This topic explores the concepts of work and power. CP8: Forces and Their Effects. This topic explores how objects affect each other and how to represent their movement. CC13: Groups in the Periodic Table. This topic explores trends within groups of elements. Revision: This topic allows students to strengthen their knowledge covering the content from the start of their GCSE.	Ethical, Legal, Cultural and Ethical Concerns - Students will spend this term looking at the impact of computers on the world around us, and how the growth of computer systems in our environment and privacy. Students will learn about the key legislation surrounding the use of computer systems. Key skills covered throughout this unit is extended response in terms of atoms examinations.	Polymers, Fabrics and Fibres, Timbers, Structures, Paste and present designers, Design strategies	Explorations in Creative Reading and Writing- introduction to exam paper and development of skills needed to access this.	Explorations in Creative Reading and Writing- introduction to exam paper and development of skills needed to access this.	In term 2 students will study the third GCSE module which is Health and People students will study the first half of the time period. This will include Ancient medicine, Roman medicine, Medieval medicine and Renaissance medicine. This module aims to give students a thematic understanding of how treatments, care and diagnosis have changed over a vast period of time. Students will be able to identify factors which caused change, identify key turning points and spot common trends and patterns over a	Engage tasks take place every lesson and a close the Gap test every two weeks. Students will show inequalities on number lines and write whole number values that satisfy an inequality. Extension will involve solving simple linear inequalities in one variable, and representing the solution set on a number line. They will calculate the probability of independent and dependent combined events, including using tree diagrams and other representations. Extensions will include calculating and interpreting conditional probabilities using expected frequencies with two-way tables, tree diagrams and Venn diagrams.	Music Unit: Music Magazine - Looking at media language and content in MOJO magazine. The language used and the target audience through 2 selected editions of the magazine. Radio: BBC Radio 1 - case study unit on the radio station and its evolution in the digital age. How this attracts audiences	Town and Home - Describing where you live and the area around. What is there and isn't there in your area? What would your ideal town be like? Describe your house and what you do at home. The environment and wider world issues.	Invasion games - Students are taught a range of different concepts, strategies and tactics through invasion games. This furnishes students with the skills to analyse their own individual and team performances and make a decision as to what the situation requires. Students will understand the different roles in a team and by the end of the unit be able to plan and deliver a drill to improve on an aspect they identify as a weakness for their team. Net and wall games - Students are taught the tactics and rules to be able to play strategically. Once students have a sound understanding they devise their own drills and practices that they will showcase to a smaller group of students.	SP8 and SP9: Energy and Forces doing work. Work, power, objects affecting each other, vector diagrams and rotational forces.	This term looks at the difference in how the media promotes male and female stereotypes before moving onto how the youth of today in different settings. The way in which the media portrays sex at different times and different settings is also examined before looking more how the media promotes health and wellbeing, and safe usage of media devices.	Term 2 students will continue studying Social differentiation and stratification. Understanding the differences between individuals and groups is an important part of Sociology. UK society is constantly changing. Functionalists & New Right Sociologists believe that society is changing too quickly, whereas Feminists and others would see the changes as positive for women and certain other groups. Issues of inequalities will be debated in class and if social inequality is becoming greater.			
Term 3	Students will be able to experiment with scale and media choosing images that reflect their chosen project title.	SB8: Cellular Respiration. Exploring aerobic and anaerobic respiration and their effect on the body. As well as how the body is adapted for respiration including the adaptations of the lungs for gas exchange and the structure and function of the heart and blood vessels.	Skills Focus: This topic allows students to strengthen their ability to follow the scientific method. SC13: Transition Metals, Alloys and Corrosion. This topic explores why elements exist in the middle of the table based around exchange and behaviour. SC17: Groups in the Periodic Table. This topic explores why groups of elements are grouped together based on patterns.	CB7: Animal Coordination, Control and Homeostasis. This topic explores how hormones control reactions in our bodies. CC16: Fuels. This topic explores what crude oil is made of and how we turn it into something more useful. CC9: Calculating Involving Masses. This topic explores different ways to express mass in terms of atoms. CC15: Heat Energy Changes in Chemical Reactions. This topic explores how energy is absorbed and released during chemical reactions. CP6: Radioactivity. This topic explores	Computational Logic - Students will learn key concepts and how these are applied in real world computing systems. Students will gain the ability to create truth tables to model logic AND/OR/NOT logic circuits. In addition, students will learn key computing related mathematical operators including DIV and MOD and how these can be applied to algorithmic solutions.	Specialist material area (at teacher's discretion)	GCSE Shakespeare- Romeo and Juliet- Understanding of the text as a whole, analysis of character and theme, exploration of context.	GCSE Shakespeare- Romeo and Juliet- Understanding of the text as a whole, analysis of character and theme, exploration of context.	Students will begin this term by accurately locating the text as a whole, analysis of character and theme, exploration of context. Students will be able to identify factors which caused change, identify key turning points and spot common trends and patterns over a	Engage tasks take place every lesson and a close the Gap test every two weeks. Students will apply and interpret limits of accuracy, including upper and lower bounds. They will understand and use standard mathematical formulae; rearrange formulae to change the subject. Extension tasks will include finding approximate solutions to equations numerically using iteration. They will recognise, sketch and interpret graphs of quadratic functions. Extensions will include solve quadratic equations (including those that require rearrangement) and find approximate solutions using a graph.	Film Industry: The Lego Movie: Focusing on all aspects of marketing and distribution of a film franchise. How films are produced, distributed and exhibited to audiences	Free Time and Media - Sports and Hobbies, including healthy lifestyle and healthy eating. Media - Film/TV/Music, what you enjoy and don't enjoy, practicing listening skills using authentic resources.	Principles of Health and Fitness. Students will learn the key principles of health and fitness, the key measures of health and fitness and suitable training methods for improving fitness. Students will be furnished with a better understanding of the four main body systems; skeletal system, cardiovascular system, respiratory system and muscular system. Students will learn how these systems work and the particular roles they play, especially in relation to Health and Fitness.	SP12 and SP13 Magnets, magnetic fields, electromagnetism, magnetic forces, transformers and electromagnetic induction.	Term three students will examine extremism, its causes, effects and the misconceptions around it. The treatment of extremism by the authorities is also studied - and the severity of punishment is discussed.	Term 3 students will continue studying Social differentiation and stratification. Understanding the differences between individuals and groups is an important part of Sociology. UK society is constantly changing. Functionalists & New Right Sociologists believe that society is changing too quickly, whereas Feminists and others would see the changes as positive for women and certain other groups. Issues of inequalities will be debated in class and if social inequality is becoming greater.		
	Students will look at artists, designers and craftspeople that work in a style or genre connected to their title.	Paper 1 Revision: Revisiting the content from year 9 in preparation for a paper 1 mock exam at the end of term.	Paper 1 Revision: Revisiting the content from year 9 in preparation for a paper 1 mock exam at the end of term.	Paper 1 Revision: Revisiting the content from year 9 in preparation for a paper 1 mock exam at the end of term.	Data Representation - Students will learn how data is represented on a computer digitally using binary numbers. Students learn how binary is used to represent characters, sound and images. Students also learn about multiple compression methods as well as the benefits/drawbacks of compressing files.	Specialist material area (at teacher's discretion)	GCSE Victorian Fiction (range of texts dependent on group)- understanding of Victorian novel, analysis of character and theme, exploration of context.	GCSE Victorian Fiction (range of texts dependent on group)- understanding of Victorian novel, analysis of character and theme, exploration of context.	Students will continue to learn about the physical landscapes module around rivers before moving onto the coastal landscape - again using case studies and examples to develop their ideas. In much the same way as rivers, students learn about different processes, landforms and ways of managing change and danger. Links are made between the two themes topics, and a focus on question answering technique is maintained throughout.	Engage tasks take place every lesson and a close the Gap test every two weeks. Students will identify and apply circle definitions and properties and apply and prove the standard circle theorems. Extension tasks will include recognising and using the equation of a circle with centre at the origin and finding the equation of a tangent to a circle at a given point	NEA - Creating Media. Coursework planning and research in response to set brief (print)	Family and Technology - Relationships in your family, the changing face of the family in the 21st century in UK and target country. Social media and new technologies and how we use them. Studying famous people in the target country.	Principles of Health and Fitness. Students will learn how to maintain a healthy lifestyle and how to plan and prepare for Health and Fitness. Students will learn how the impacts that health and fitness have on the different body systems, how diet impacts and causes of diet related diseases. Students will also learn about the process for instructors, organisations and individuals as they are preparing for exercise.	SP10 and 11: Electricity, Circuits, Magnetism and the Motor Effect. Circuit components, current, resistance, electrical power, electrical safety, static electricity, dangers and uses of static electricity and electric fields.	Term four equips students with strategies to deal with stress and pressure of exams before moving onto looking at how students can access support networks. The prevalence, warning signs and support for self-harming is discussed and studied.	Term 4 students will study crime and deviance. Crime and deviance is one of the most interesting areas of sociological research. Students interested in careers in the police and related areas will find that sociologists have contributed a great deal to criminology. Functionalist sociologists believe that small amount of crime is necessary for society to work well and that it can help with social change. This topic will also look how crime is committed within social classes, genders, ethnicities. There will be one		
Term 4	Students will develop ideas using their images and artist studies to create at least 2 different compositions. Each element of the coursework is marked according to the AQA marking guidelines. Students are given constant verbal feedback to improve and maintain levels.	SB9: Ecosystems. Exploring interactions within the environment such as; interdependence, competition and parasitism. Along with how human activity affects these interactions. As well as natural cycles such as the water, carbon and nitrogen cycles.	SC18: Rates of Reaction: This topic explores how changing the environment of a reaction, you can adjust the speed at which a product is made. SC19: Heat Energy Changes in Chemical Reactions. This topic explores how energy moves during a chemical reaction. SC14: Quantitative Analysis. This topic explores how we calculate amounts of chemicals produced during different reactions.	CB8: Exchange and Transport in Animals. This topic explores the circulatory system and cellular respiration. CB8: Acids and Alkalis. This topic explores how acids and alkalis behave and react. CP9: Electricity and Circuits. This topic explores how energy moves through a circuit and how to stay safe when using electricity. CP10: Magnetism and the Motor Effect. This topic explores how magnetic forces are generated. CP12: Particle Model. This topic explores the link between particle arrangement and	Translators and Facilities of Language - Students will learn about the characteristics of different programming languages and the three main methods of translating from high level language to machine code to be understood by a computer's central processing unit.	Re-cap' on core theory	An Inspector Calls: Script study - Analysis of the script in terms of directing, acting and technical choices. Providing techniques required for attempting Section A of the End of GCSE Exam.	Writing to argue, persuade and advise- development of written skill and literacy	Explorations in Creative Reading and Writing- exam technique/skills/timings, etc.	Students will study their final GCSE module of the course - looking at development specifically focusing on what makes countries rich and poor. Different ways of development are discussed, and the causes of underdevelopment are explored widely using case studies of Kenya and of TNCs like Nike to illustrate theories and points made.	Students study the final module of the GCSE course Elizabethan England 1558-1601. Students learn how to use sources and interpretations to learn about key events over a short period of history.	Engage tasks take place every lesson and a close the Gap test every two weeks. Students will construct and interpret cumulative frequency tables, cumulative frequency graphs/diagrams. From the graph they will estimate frequency and find the median and quartile values and interquartile range. They will construct and interpret histograms from class intervals with unequal width. Extension task will include completing a grouped frequency table from histograms and understanding and defining frequency density. They will use algebra to support and construct arguments and proofs. Extension will include solving quadratic equations algebraically by using the quadratic formula	NEA: Creating - practical response to coursework brief.	Global Issues and Travel - Travel and tourism, holidays and eco-tourism. Global issues like charity work and volunteering. End of year exams.	Developing a suitable health and fitness programme. Students will learn factors that can affect participation, how to devise a programme for a variety of people of different health and fitness levels and how to test an individual's fitness levels. Students will then carry out their fitness programme and analyse their results.	SP8 and SP9: Energy and Forces doing work. Work, power, objects affecting each other, vector diagrams and rotational forces.	Term 5 students will learn about careers and the importance of skills particularly in the workplace after education. Workplace rights and legislation is discussed before looking at creating a CV and interview skills.	Term 4 students will continue studying crime and deviance. Crime and deviance is one of the most interesting areas of sociological research. Students interested in careers in the police and related areas will find that sociologists have contributed a great deal to criminology. Functionalist sociologists believe that small amount of crime is necessary for society to work well and that it can help with social change. This topic will also look how crime is committed within social classes, genders, ethnicities. There will be one
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