



# Half Term 3 Subject Overviews: What your child will be learning this half term

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# Y12

English Language	English Literature	Maths	EPQ	Biology	Chemistry	Physics	Applied Science	Geography	History
<ul style="list-style-type: none"> <li>Language diversity and change</li> <li>Language and region – accent and dialect</li> <li>Language and age – teenage language and slang</li> <li>Language and gender – elements of language and sexuality</li> <li>Language and occupation – language and power</li> <li>Language discourses</li> </ul>	<ul style="list-style-type: none"> <li>A Handmaid's Tale</li> <li>A Streetcar Named Desire</li> <li>Understand how genre features and conventions operate in prose fiction texts</li> <li>Understand ways to read texts</li> <li>Making connections and relationships between texts</li> </ul>	<p>Pure</p> <ul style="list-style-type: none"> <li>Binomial expansion</li> <li>Trigonometric Ratios</li> </ul> <p>Applied</p> <ul style="list-style-type: none"> <li>Representations of data</li> <li>Forces and motion</li> </ul>	<ul style="list-style-type: none"> <li>Production logs</li> <li>Interviews with mentor</li> <li>Gantt charts</li> <li>Reviewing aspects of presentation skills</li> </ul>	<ul style="list-style-type: none"> <li>Cell cycle</li> <li>Stages of mitosis</li> <li>Mitosis in life cycles</li> <li>Organisation of cells</li> <li>Features and differentiation of stem cells</li> <li>Erythrocytes and neutrophils</li> <li>Exchange surfaces</li> <li>Mammalian exchange system</li> <li>Ventilation in mammals</li> <li>Spirometry</li> </ul>	<ul style="list-style-type: none"> <li>Shapes and bond angles</li> <li>Electron pair repulsion</li> <li>Electronegativity</li> <li>Polar bonds</li> <li>Properties of water</li> <li>Structure and bonding in covalent compounds</li> <li>Enthalpy</li> <li>IUPAC</li> <li>Tetrahedral shapes</li> <li>Dipole-dipole interactions</li> </ul>	<ul style="list-style-type: none"> <li>Wave phase and superposition</li> <li>Stationary waves</li> <li>Diffraction of laser light using a double slit and diffraction grating</li> <li>Snell's Law</li> <li>Refraction</li> <li>Total internal reflection</li> <li>EMF and internal resistance</li> <li>Fluids density and upthrust</li> </ul>	<ul style="list-style-type: none"> <li>ECG traces</li> <li>Nervous system</li> <li>Brain structure</li> <li>Brain chemicals</li> <li>Variable oxidation states of TMs</li> <li>Covalent bonding</li> <li>Group 1 and 7 reactivity</li> <li>Reactions of metals and acids</li> <li>Producing notes from vibrating air columns</li> <li>Refractive index</li> <li>Critical angle</li> </ul>	<ul style="list-style-type: none"> <li>Coastal management</li> <li>Carbon cycle</li> <li>Water, carbon, climate and life on Earth</li> <li>Urbanisation</li> <li>Quantitative and qualitative skills</li> <li>Case studies</li> </ul>	<ul style="list-style-type: none"> <li>Labour and Conservative governments 1964-79</li> <li>Labour's victory 1964</li> <li>Wilson as a leader 1964-70</li> <li>Economic problems and policies</li> <li>Relations with the trade unions</li> <li>1970 election</li> <li>Heath as a party leader</li> <li>Aims and policies of Heath's government</li> </ul>
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Art	Photography	PE	ICT	RE	French	Personal Development	Music	CNAT Health & Social Care (Single)	CNAT Health & Social Care (Double)
<ul style="list-style-type: none"> <li>A sense of place</li> <li>Portraiture</li> <li>Landscape</li> <li>Drawing</li> <li>Analysis of context</li> <li>Proportion</li> <li>Observation</li> <li>Colour theory</li> <li>Composition</li> <li>Mixed media</li> <li>Photoshop</li> <li>Typography</li> <li>Graphic design</li> </ul>	<ul style="list-style-type: none"> <li>Induction project</li> <li>Portrait</li> <li>Landscapes</li> <li>Analysis of context</li> <li>Photoshoots</li> <li>Editing digitally and by hand</li> <li>Colour theory</li> <li>Photoshop</li> <li>Typography</li> <li>Graphic design</li> </ul>	<ul style="list-style-type: none"> <li>Structure of the heart</li> <li>Roles of the heart</li> <li>Stroke volume, heart rate and cardiac output</li> <li>Structure of blood vessels</li> <li>Functions of blood</li> <li>Vascular shunts</li> <li>Purpose of events</li> <li>SMART targets</li> <li>Contingency plans</li> <li>Promotional material</li> <li>Resourcing</li> <li>Applying skills, technique and tactics to an individual sport</li> </ul>	<ul style="list-style-type: none"> <li>Understanding employability and communication skills used in an IT environment</li> <li>Questioning techniques</li> <li>Verbal and written communication</li> <li>Non-verbal communication</li> <li>Communication technology</li> <li>Job roles and personal attributes</li> </ul>	<ul style="list-style-type: none"> <li>Fletcher's situation ethics</li> <li>Agape</li> <li>The six propositions</li> <li>The four working principles</li> <li>Conscience</li> <li>Jesus Christ's authority as the Son of God, teacher of wisdom and a liberator</li> <li>Jesus' moral teachings</li> <li>Christian ideas regarding Jesus Christ as a source of authority</li> </ul>	<ul style="list-style-type: none"> <li>Contemporary francophone music</li> <li>Development of francophone music</li> <li>Influence of music in modern society</li> <li>Freedom of the press</li> <li>Influence of the internet on the written press</li> <li>Effects of media and new technology on political and social life</li> <li>How Christmas and other religious festivals are changing in France</li> </ul>	<ul style="list-style-type: none"> <li>Critical thinking skills</li> <li>Free speech vs Hate speech</li> <li>Social justice</li> </ul>	<ul style="list-style-type: none"> <li>The set musical works of Haydn, Beethoven and Mozart</li> <li>Introduction to popular song – Blues, Jazz, Swing and Bog Band</li> <li>Performance and composition preparatory work</li> </ul>	<ul style="list-style-type: none"> <li>The impact of discriminatory practices on individuals in health, social care and child care environments</li> <li>Current legislations and national incentives</li> <li>Cardiovascular system and its malfunctions</li> <li>Respiratory system and its malfunctions</li> <li>Health, safety and security in health and child care environments</li> </ul>	<p>As single but also includes:</p> <ul style="list-style-type: none"> <li>Understanding infection control</li> <li>Explaining how risks associated with poor infection control are different for health and social care</li> <li>Understanding the role of a health and social care worker in controlling infection</li> <li>Types and causes of learning disabilities</li> <li>Supporting those with learning disabilities</li> </ul>
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