



# Half Term 4 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>Trigonometric identities and equations</li> <li>Vectors</li> </ul> <p>Applied</p> <ul style="list-style-type: none"> <li>Correlation</li> <li>Probability</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>Transport systems in multicellular plants</li> <li>Transpiration</li> <li>Xerophytes</li> <li>Ventilation in fish</li> <li>Ventilation in insects</li> <li>Transport systems in multicellular organisms</li> <li>Circulatory systems</li> <li>Blood vessels</li> </ul>	<ul style="list-style-type: none"> <li>Bond enthalpies</li> <li>Hess' Law</li> <li>Reaction rates</li> <li>Catalysts</li> <li>Alkenes</li> <li>Trigonal planar shapes</li> <li>Heterolytic fission</li> <li>Markownikoffs rule</li> <li>Addition polymerisation</li> <li>Polarity of alcohols</li> <li>Combustion of alcohols</li> </ul>	<ul style="list-style-type: none"> <li>Youngs double slit experiment</li> <li>Ray diagrams for lenses and image formation</li> <li>The thin lens equation</li> <li>Power of lenses</li> <li>Polarisation</li> <li>Pulse-echo techniques</li> </ul>	<ul style="list-style-type: none"> <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> <li>Unit 2C coursework preparation: chromatography</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>Thatcher and the end of consensus 1979-97</li> <li>Thatcher and her ministers</li> <li>Reasons for support and opposition</li> <li>Economic policies</li> <li>Unemployment and the Trade Unions</li> <li>Economics and privatisation</li> <li>Conservative divisions under Major</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>Structures of the lungs</li> <li>Respiratory muscles</li> <li>Inspiration</li> <li>Expiration</li> <li>Gaseous exchange</li> <li>Tidal volume</li> <li>Breathing frequency</li> <li>Minute ventilation</li> <li>Applying skill, techniques and tactics to a team sport</li> </ul>	<ul style="list-style-type: none"> <li>Understanding ethical and operational issues and threats to computer systems</li> <li>Whistle blowing</li> <li>Discrimination</li> <li>Codes of practice</li> <li>Staying safe online</li> <li>Health and safety</li> <li>Change management</li> <li>Scale of change</li> </ul>	<ul style="list-style-type: none"> <li>Euthanasia</li> <li>Sanctity of life</li> <li>Quality of life</li> <li>Voluntary v non-voluntary euthanasia</li> <li>The teleological argument</li> <li>The cosmological argument</li> <li>Challenges to arguments from observation</li> <li>Jesus Christ's authority</li> <li>Son of God</li> <li>Teacher of wisdom</li> <li>A liberator</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>Cosmetic and plastic surgery</li> <li>Gender and identity</li> <li>Miscarriage and unplanned pregnancy</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>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> <li>Understanding types of dementia and the impacts of dementia</li> <li>Know the legislations that support the care of people with dementia</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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