



# Half Term 1 Subject Overviews: What your child has been learning this half term

Head of year: Mr C Pattinson

# Y12

English Literature	Maths (Pure)	Maths (Applied)	Biology	Chemistry	Physics	Applied Science	Geography	History
<ul style="list-style-type: none"> <li>Frankenstein</li> <li>Poems of the decade</li> <li>Understanding features of genre and conventions in poetry</li> <li>Understanding different ways of reading texts</li> <li>How writers use and adapt language, form and structure in texts</li> </ul>	<ul style="list-style-type: none"> <li>The laws of indices</li> <li>Negative and fractional indices</li> <li>Polynomials, expanding brackets and collecting like terms</li> <li>Factorising</li> <li>Surds</li> <li>Solving quadratic equations by factorising</li> <li>Quadratic functions and their graphs</li> </ul>	<ul style="list-style-type: none"> <li>Fundamental quantities and units</li> <li>Using derived quantities and units</li> <li>The differences between position, displacement and distance</li> <li>Differences between velocity and speed</li> <li>Understanding the concept of a mathematical model</li> </ul>	<ul style="list-style-type: none"> <li>Microscopy</li> <li>Cell structure</li> <li>Magnification and resolution</li> <li>Ultrastructure of eukaryotes</li> <li>Protein synthesis</li> <li>Biomolecules</li> <li>Protein structure</li> <li>Saccharides</li> <li>Amino acids</li> <li>Quantitative analysis</li> </ul>	<ul style="list-style-type: none"> <li>Isotopes</li> <li>Atomic structure</li> <li>RAM</li> <li>Ionic formulae</li> <li>Balancing equations</li> <li>Avagadros number</li> <li>Empirical formulae</li> <li>Stoichiometric relationships</li> <li>Electron configuration</li> <li>Disproportionation</li> <li>Periodic table</li> <li>Ionisation energies</li> </ul>	<ul style="list-style-type: none"> <li>Measurements &amp; uncertainties</li> <li>Velocity and acceleration</li> <li>Motion graphs</li> <li>Vectors &amp; resolving vectors</li> <li>Moments</li> <li>Newton's laws of motion</li> <li>Suvat equations</li> <li>Projectiles</li> <li>Work and power</li> <li>Momentum</li> </ul>	<ul style="list-style-type: none"> <li>History of the microscope</li> <li>Preparing biological slides</li> <li>Magnification</li> <li>Periodic table</li> <li>RAM</li> <li>Electronic structure</li> <li>Preparing standard solutions</li> <li>Transverse and longitudinal waves</li> <li>Measuring wave speed</li> <li>Superposition of wave</li> </ul>	<ul style="list-style-type: none"> <li>Ecosystems and sustainability</li> <li>Ecosystems and processes</li> <li>Biomes</li> <li>Ecosystems in the British Isles over time</li> </ul>	<ul style="list-style-type: none"> <li>Churchill</li> <li>Churchills view of events 1929-1934</li> <li>Why Churchill was out of office</li> <li>Churchills attitude to the abdication, the Empire and India</li> <li>Churchill as a wartime Prime Minister</li> <li>The bombing of Germany and the loss of the war in Europe</li> </ul>
<b>Mr Barlow</b>	<b>Miss Wright</b>		<b>Mrs Poddington</b>			<b>Mrs Bradley</b>	<b>Mr Rainsley</b>	
Art	CAMB TECH PE	A LEVEL PE	ICT	RE	French	Personal Development	Music	Health & Social Care
<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>Photography</li> <li>Photoshop</li> <li>Typography</li> <li>Graphic design</li> </ul>	<ul style="list-style-type: none"> <li>Skeletal functions</li> <li>Types of bones</li> <li>Applying skills</li> <li>Roles within jobs</li> <li>First aid techniques and tactics to an individual sport</li> <li>Applying skills techniques and tactics to a team sport</li> </ul>	<ul style="list-style-type: none"> <li>Musculoskeletal system</li> <li>Neuromuscular system</li> <li>Skill, skill continuums and transfer of skills</li> <li>Practice for learning</li> <li>Pre-industrial sport</li> </ul>	<ul style="list-style-type: none"> <li>Understanding computer hardware</li> <li>Input devices</li> <li>Output devices</li> <li>Communications devices</li> <li>Benefits and limitations</li> <li>Types of software</li> <li>Open and closed source</li> <li>Bespoke</li> <li>Embedded</li> <li>Applications software</li> <li>Productivity software</li> <li>Business software</li> </ul>	<ul style="list-style-type: none"> <li>Philosophy views of Plato</li> <li>Understanding of reality</li> <li>The Forms</li> <li>Analogy of the cave</li> <li>Philosophical views of Aristotle</li> <li>Developing Christian thought</li> <li>Human relationships pre and post Fall</li> <li>Original Sin and its effects on the will and human societies</li> <li>God's grace</li> </ul>	<ul style="list-style-type: none"> <li>Different types of modern family</li> <li>Changes in relationship and marriage</li> <li>Concerns and problems within the family</li> <li>French educational system</li> <li>Expectations of pupils and how they deal with them</li> </ul>	<ul style="list-style-type: none"> <li>Class A drugs – dangers and addictions</li> <li>Class B drugs – dangers and addictions</li> <li>Class C drugs – dangers and addictions</li> <li>Relaxation – identifying ways to relax and destress healthily</li> </ul>	<ul style="list-style-type: none"> <li>The set musical works of Hayden, Beethoven and Mozart</li> <li>Classical instrumental music</li> <li>Concert overture</li> <li>Symphonic poem</li> <li>Programme symphony</li> <li>Soloworks</li> </ul>	<ul style="list-style-type: none"> <li>Relationships in HSC or child care environments</li> <li>Factors that influence the building of relationships</li> <li>The cardiovascular system, malfunctions and their impact on individuals</li> <li>The respiratory system, malfunctions and their impact on individuals</li> <li>Types of dementia and the impact of diagnosis on individual</li> <li>Legislation and frameworks which support the care of individuals with dementia</li> </ul>
<b>Miss Norman</b>	<b>Miss Smith</b>		<b>Ms Cooper</b>	<b>Miss Holliday</b>	<b>Mr Machard</b>	<b>Miss Holliday</b>	<b>Mr Newton</b>	<b>Mrs Fisher</b>