



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

Head of year: Mr L Holliday ([l.holliday@netherhall.cumbria.sch.uk](mailto:l.holliday@netherhall.cumbria.sch.uk))

# Y10

(C) Core subject (O) Option subject

English Language (C)	English Literature (C)	Maths (C)	Biology (C)	Chemistry (C)	Physics (C)	Geography (O)	History (O)	French (O)	RE (O)	GCSE PE (O)	CNAT PE (O)
<ul style="list-style-type: none"> <li>Crime and punishment</li> <li>Writers ideas and perspectives</li> <li>Analysing language</li> <li>Expressing points of view</li> <li>Using sentences for impact</li> </ul>	<ul style="list-style-type: none"> <li>A Christmas Carol</li> <li>Using textual references &amp; quotations to support interpretations</li> <li>Analysing language and form</li> <li>Relationships between texts and contexts</li> </ul>	<ul style="list-style-type: none"> <li>Percentages</li> <li>Ratio, proportion and rates of change</li> <li>Fractions</li> <li>Algebraic manipulation</li> <li>Expanding brackets</li> <li>Solving inequalities</li> </ul>	<ul style="list-style-type: none"> <li>Cell structure</li> <li>Microscopy</li> <li>Prokaryotic and eukaryotic cells</li> <li>Stem cells</li> <li>Mitosis</li> <li>Diffusion</li> <li>Osmosis</li> <li>Active transport</li> </ul>	<ul style="list-style-type: none"> <li>Atomic structure</li> <li>Elements</li> <li>Compounds</li> <li>Mixtures</li> <li>Relative atomic mass</li> <li>Electronic structure</li> <li>Development of the periodic table</li> <li>Groups 1, 7 &amp; 0</li> </ul>	<ul style="list-style-type: none"> <li>Energy stores and systems</li> <li>Kinetic energy</li> <li>GPE</li> <li>Elastic potential energy</li> <li>Specific heat capacity</li> <li>Power</li> <li>Energy transfers</li> <li>Efficiency</li> </ul>	<ul style="list-style-type: none"> <li>The changing landscapes of the UK</li> <li>UK's main rock types</li> <li>Tectonic processes</li> <li>Creating distinct landscapes</li> <li>Coastal landscapes and processes</li> </ul>	<ul style="list-style-type: none"> <li>Great powers of Europe</li> <li>The alliance system</li> <li>The Moroccan crises</li> <li>Problems in the Balkans</li> <li>Britains splendid isolation</li> <li>Assassination of Archduke Franz Ferdinand</li> </ul>	<ul style="list-style-type: none"> <li>Describing self and family</li> <li>Relationships with friends and family</li> <li>What you do with your friends and family</li> <li>Describing a day out</li> <li>Discussing role models</li> </ul>	<ul style="list-style-type: none"> <li>Islamic beliefs</li> <li>99 names of Allah</li> <li>Six articles of faith</li> <li>Holy books</li> <li>Shi'a and Sunni muslims</li> <li>Shirk</li> <li>The Qur'an</li> <li>Fitrah</li> <li>Hanifs</li> <li>Nature of God</li> <li>Evil &amp; suffering</li> <li>Creation</li> </ul>	<ul style="list-style-type: none"> <li>Health and fitness</li> <li>Reasons for and limitations of fitness testing</li> <li>The principles of training and overload</li> <li>Applying the principles of training</li> <li>Types of training</li> <li>Netball</li> <li>Rugby</li> </ul>	<ul style="list-style-type: none"> <li>Local and national provision for outdoor and adventurous activities</li> <li>Types of equipment used for participation</li> </ul>
Mr Bird <a href="mailto:d.bird@netherhall.cumbria.sch.uk">d.bird@netherhall.cumbria.sch.uk</a>		Miss Wright <a href="mailto:a.wright@netherhall.cumbria.sch.uk">a.wright@netherhall.cumbria.sch.uk</a>	Mrs Poddington <a href="mailto:c.poddington@netherhall.cumbria.sch.uk">c.poddington@netherhall.cumbria.sch.uk</a>			Mrs Bradley <a href="mailto:r.bradley@netherhall.cumbria.sch.uk">r.bradley@netherhall.cumbria.sch.uk</a>	Mr Rainsley <a href="mailto:m.rainsley@netherhall.cumbria.sch.uk">m.rainsley@netherhall.cumbria.sch.uk</a>	Mr Machard <a href="mailto:l.machard@netherhall.cumbria.sch.uk">l.machard@netherhall.cumbria.sch.uk</a>	Miss Barcock <a href="mailto:l.barcock@netherhall.cumbria.sch.uk">l.barcock@netherhall.cumbria.sch.uk</a>	Miss Adam <a href="mailto:j.adam@netherhall.cumbria.sch.uk">j.adam@netherhall.cumbria.sch.uk</a>	Mr Gebbie <a href="mailto:d.gebbie@netherhall.cumbria.sch.uk">d.gebbie@netherhall.cumbria.sch.uk</a>
Art (O)	Photography (O)	Graphics (O)	Food (O)	CNAT Engineering (O)	Computer Science (O)	WJEC ICT (O)	Business Studies (O)	CNAT Child Care (O)	CNAT Health & Social Care (O)	Music (O)	Personal Development (C)
<ul style="list-style-type: none"> <li>Observational drawing</li> <li>Andrea Joseph, Maria Merian</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>Collage</li> <li>Painting</li> </ul>	<ul style="list-style-type: none"> <li>Still life – Edward Weston</li> <li>Macro – Aaron Siskind &amp; Bill Mangold</li> <li>Landscape – Victoria Siemer, Jelle Martens &amp; Abigail Reynolds</li> <li>Photoshoots</li> <li>Black &amp; white</li> <li>Mixed media</li> <li>Photoshop</li> <li>Lighting</li> <li>Rule of thirds</li> </ul>	<ul style="list-style-type: none"> <li>Texture</li> <li>Line</li> <li>Colour</li> <li>Layout, Shape</li> <li>Type</li> <li>Photoshop</li> <li>Illustrator</li> <li>Typography</li> <li>Logo design</li> <li>Colour theory</li> <li>Composition</li> <li>Analysing context</li> <li>Drawing</li> </ul>	<ul style="list-style-type: none"> <li>Basic hygiene and safety</li> <li>Knife skills</li> </ul>	<ul style="list-style-type: none"> <li>Fundamental skills and theory – Keyrings</li> <li>Non-examined assessment – design task</li> </ul>	<ul style="list-style-type: none"> <li>The purpose of CPU</li> <li>Fetch-execute cycle</li> <li>ALU</li> <li>Cache</li> <li>Von Neumann architecture</li> <li>MAR</li> <li>MDR</li> <li>Clock speed</li> <li>How common characteristics of CPU's affect their performance</li> </ul>	<ul style="list-style-type: none"> <li>Computing devices</li> <li>Input devices</li> <li>Internal components</li> <li>System software</li> <li>Applications software</li> <li>Open sources software</li> <li>Image capture and manipulation</li> <li>Webcam services</li> <li>Robotics and bionics</li> <li>Online booking</li> </ul>	<ul style="list-style-type: none"> <li>Understand what business is and the reasons for starting a business</li> <li>Factors of production</li> <li>Opportunity cost</li> <li>3 sectors and types of business</li> <li>Objectives of an entrepreneur</li> <li>Changing business environments</li> </ul>	<ul style="list-style-type: none"> <li>Creating a safe environment in a childcare setting</li> <li>Why accidents happen and how to prevent them</li> <li>Choosing essential equipment for a childcare setting</li> <li>How to ensure a child-friendly safe environment</li> </ul>	<ul style="list-style-type: none"> <li>The importance of a healthy society</li> <li>Public health challenges</li> <li>Benefits of health promotion campaigns</li> </ul>	<ul style="list-style-type: none"> <li>Instrumental families</li> <li>3 note composition</li> <li>Primary chords</li> <li>Cadences</li> <li>Analysing nurseury rhymes</li> <li>National anthem compositions</li> <li>Chord sequences</li> <li>Conventions of pop exploration</li> </ul>	<ul style="list-style-type: none"> <li>Managing time effectively</li> <li>Living sustainably</li> <li>Homelessness</li> <li>Hate crime</li> <li>Tattoos and piercings</li> <li>Binge drinking</li> </ul>
Miss Cotton <a href="mailto:h.cotton@netherhall.cumbria.sch.uk">h.cotton@netherhall.cumbria.sch.uk</a>					Ms Cooper <a href="mailto:s.cooper@netherhall.cumbria.sch.uk">s.cooper@netherhall.cumbria.sch.uk</a>			Mrs Fisher <a href="mailto:s.fisher@netherhall.cumbria.sch.uk">s.fisher@netherhall.cumbria.sch.uk</a>		Mr Newton <a href="mailto:d.newton@netherhall.cumbria.sch.uk">d.newton@netherhall.cumbria.sch.uk</a>	Miss Holliday <a href="mailto:c.holliday@netherhall.cumbria.sch.uk">c.holliday@netherhall.cumbria.sch.uk</a>