

# COMPUTER SCIENCE KS3

	Autumn Term	Spring Term	Summer Term
<b>Year 7</b>	<ul style="list-style-type: none"> <li>• Midyis</li> <li>• Administration</li> <li>• Email</li> <li>• eSafety</li> <li>• eSafety - using Teams Assignment</li> <li>• Word Processing eSafety focus</li> <li>• Word Processing summative exercise</li> </ul>	<ul style="list-style-type: none"> <li>• Spreadsheets</li> <li>• Spreadsheets - eWaste focus</li> <li>• Presentation S/W - PowerPoint</li> <li>• Presentation S/W - eWaste focus</li> <li>• End of module consolidation</li> </ul>	<ul style="list-style-type: none"> <li>• Time Travel - what is a computer?</li> <li>• Hardware - Digital Devices</li> <li>• Input and Output Devices</li> <li>• What is inside a computer?</li> <li>• The CPU</li> <li>• End of module consolidation</li> </ul>
<b>Year 8</b>	<ul style="list-style-type: none"> <li>• Algorithms</li> <li>• Flowcharts</li> <li>• Sequence and practice</li> <li>• Variables</li> <li>• Variables practice</li> </ul>	<ul style="list-style-type: none"> <li>• Selection</li> <li>• Selection practice</li> <li>• Iteration</li> <li>• Iteration practice</li> <li>• End of module consolidation</li> </ul>	<ul style="list-style-type: none"> <li>• Computational thinking</li> <li>• Decomposition</li> <li>• Decomposition practice</li> <li>• Abstraction</li> <li>• Abstraction practice</li> <li>• Pattern recognition</li> <li>• Pattern recognition practice</li> <li>• End of module consolidation</li> <li>• End of year assessment</li> </ul>
<b>Year 9</b>	<ul style="list-style-type: none"> <li>• Power and sensors/input</li> <li>• Signalling/output</li> <li>• Control systems</li> <li>• Laws and ethics</li> </ul>	<ul style="list-style-type: none"> <li>• Algorithms, flowcharting and control systems</li> <li>• Hogwarts sorting hat</li> <li>• Implementing a control system</li> <li>• Hogwarts sorting hat</li> <li>• Circuit diagrams and electronic components</li> <li>• Aromatherapy lamp</li> </ul>	<ul style="list-style-type: none"> <li>• Control system implementation practice</li> <li>• Aromatherapy lamp</li> <li>• System design, electronic components, electronic circuits and implementation practice</li> <li>• Seasonal project e.g. Halloween scarer</li> <li>• System design, electronic components, electronic circuits and implementation practice</li> <li>• Seasonal project e.g. Halloween scarer</li> <li>• Smart house project</li> </ul>