

<b>Unit Overview: Information Technology Systems</b>							
<b>Half- Term:</b>	AUT 1	AUT 2	SPR 1	SPR 2	SUM 1	SUM 2	<b>No of Lessons:</b> 36
<b>Key Focus for Unit:</b> <i>What is the key knowledge being delivered?</i> <i>What is the intent of this unit?</i>							
Information technology (IT) systems have a significant role in the world around us and play a part in almost everything we do. Having a sound understanding of how to effectively select and use appropriate IT systems will benefit students personally and professionally. They will explore the relationships between the hardware and software that form an IT system, and the way that systems work individually and together, as well as the relationship between the user and the system. Students will examine issues related to the use of IT systems and the impact that they have on organisations and individuals. To complete the assessment task within this unit, they will need to draw on their learning from across the programme. This unit will give a fundamental and synoptic understanding of all areas of IT, supporting students' progression to an IT-related higher education course.							
<b>Key Knowledge and Big Ideas:</b> <i>What <b>Powerful Knowledge</b> and <b>Big Ideas</b> are explored in this Unit?</i> <i>How have these progressed from previous learning? What <b>gaps in knowledge</b> have you identified from <b>baselining</b> and how are the being closed?</i>							
Students will look at A Digital devices in IT Systems and D Protecting Data & Information.  Students will look at B Transmitting Data and C Operating online.							
<b>Unit Assessment:</b> <i>How will this unit be assessed?</i> <i>What is the frequency of assessments – baselines etc?</i>							
<b>Assessment:</b> End of unit tests and frequent past paper questions Frequency of assessment: <ul style="list-style-type: none"> <li>• Retrieval starters</li> <li>• Stretch tasks each lesson.</li> <li>• Homework online quizzes to support</li> <li>• Exam style questions</li> </ul>							
<b><u>Key Skills Explored</u></b>		<b><u>Vocabulary Selected for DVI</u></b>			<b><u>Links to Previous Unit</u></b>		
<ul style="list-style-type: none"> <li>• Writing balanced arguments</li> <li>• Interpreting diagrams/Specs</li> </ul>		<ul style="list-style-type: none"> <li>• Devices</li> <li>• Functions</li> <li>• Systems</li> <li>• Technology</li> <li>• Network</li> <li>• Topology</li> <li>• Connectivity</li> </ul>			This exam unit will reaffirm all the technical choices and the web development unit. Students will be tested on selecting and using the best IT systems for the right scenarios.		
Links to Careers/Employability		<b><u>How does this unit prepare students for the next unit?</u></b>					
		With the completion of the web development unit completed, students will turn their focus toward Unit 1 the exam unit Information Technology Systems. Students will have enough time to prepare for their two-hour exam during SPR2.					