

<p><u>What will students learn/what skills will they develop?</u></p> <p>YEAR 10</p> <p>Unit 1 (Exam Units)</p> <ul style="list-style-type: none"> • Develop knowledge of Online Services and understand the uses of online documents. • Develop knowledge of Online Communication the implication and issues associated with online communication. • Develop knowledge and skills on Cloud computing and investigate popular uses of each. • Develop knowledge of components of the internet and how digital devices exchange and store information • Develop knowledge of security threats when operating online <p>Unit 2 (Exam Unit)</p> <ul style="list-style-type: none"> • Develop understanding of how the components of technology systems work together • Develop understanding of how data flows between internal components of a computer and is processed to provide information • Develop knowledge and skill of using different types of software <p>Unit 3 (Coursework)</p> <ul style="list-style-type: none"> • Develop knowledge and skill of using the project lifecycle • Develop skills on developing storyboards to plan an digital portfolio website • Develop skill in creating website for digital portfolio • Develop understanding and skill of testing and reviewing their final website. 	<p><u>What will students learn/what skills will they develop?</u></p> <p>YEAR 11</p> <p>Unit 10 (Coursework)</p> <ul style="list-style-type: none"> • Develop knowledge of the uses of and tools/techniques used in databases • Develop skill of creating Design Documentation including Entity Relationship Diagram (ERD), including entities, attributes and relationships • Develop skills of using software tools and techniques to develop a relational database • Develop skill of testing a relational database for functionality, purpose and usability • Develop skill of using feedback from others to improve and refine relational database • Develop knowledge and skill of reviewing relational database and for the user requirements and fitness for purpose
<p>Assessment</p> <p>Each student will complete a one hour onscreen exam on either Unit 1 or Unit 2. This will be externally assessed by Edexcel and will count towards 25% of their final grade.</p> <p>Pupils will be assessed on their submitted Unit 3 and Unit 10 coursework and pupils will also evaluate their work and respond to feedback. Unit 3 will count towards 25% of their final grade and Unit 10 will count as 50% of their final grade.</p>	<p>Numeracy</p> <p>Pupils will use mathematical search criteria's on databases.</p> <p>Pupils will develop knowledge of binary and denary numbers.</p>
<p>Literacy</p> <p>Key terms are taught explicitly</p> <p>Pupils provide oral and written evaluation of their work</p> <p>Develop storyboard design of digital portfolio</p> <p>Reading comprehension</p> <p>Research</p>	<p>SMSC</p> <p>Develop knowledge and understanding of eSafety and threats when using the World Wide Web.</p> <p>Develop knowledge of issues arising from advertising online.</p> <p>Develop knowledge of legal implications of personal data stored in databases held by organisations</p>