

Curriculum Information IT & Computing

Year Group	Topics – Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics - Term 3	Key Assessments
Year 7	<p>Unit 1 – Online Documents & Applications comprising of:</p> <ul style="list-style-type: none"> • Managing Files & Folders • Online Resources • Online Documents • Collaboration <p>Unit 2 - The Online World comprising of:</p> <ul style="list-style-type: none"> • E-Safety • The Internet • Networks • Reliability & Validity • IT Laws • HTML 	<p>Year 7 Initial Online Test</p> <p>Coursework Evidence</p> <p>The Online World Written Test</p>	<p>Unit 3 – Spreadsheet Systems comprising of:</p> <ul style="list-style-type: none"> • Setting up a workbook • Using Worksheets • Formatting Worksheets • Data Types • Basic Formulae 	<p>Coursework Evidence</p> <p>Spreadsheets Systems Written Test</p>	<p>Unit 4 – Games Programming comprising of:</p> <ul style="list-style-type: none"> • computational thinking • algorithms • sprites • motion • sound • data • events • control • sensing • operators 	<p>Coursework Evidence</p> <p>Games Practical Test</p>

Year Group	Topics – Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics - Term 3	Key Assessments
Year 8	<p>Unit 1 – Online Documents & Applications comprising of:</p> <ul style="list-style-type: none"> • Managing Files & Folders • Online Resources • Online Documents • Collaboration <p>Unit 2 – Digital Animation comprising of:</p> <ul style="list-style-type: none"> • Researching Existing Animations • Designing an Animation • Creating Testing an Animation • Evaluating and Improving an Animation 	<p>Coursework Evidence</p> <p>Digital Animation Written Test</p>	<p>Unit 3 – Database Systems comprising of:</p> <ul style="list-style-type: none"> • Setting up Files • Using Tables • Fields • Records • Data Types • Validation • Relationships/Primary Keys • Forms • Sorting • Queries/Searches • Reports 	<p>Coursework Evidence</p> <p>Database Systems Written Test</p>	<p>Unit 4 – Computer Programming comprising of:</p> <ul style="list-style-type: none"> • Introduction to Python / IDLE • Input and Output • Commenting Code • Working with Numbers • Adding Up • IF Statements • For Loops • While Loops 	<p>Coursework Evidence</p> <p>Programming Practical Test</p>

Year Group	Topics – Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics - Term 3	Key Assessments
<p>Year 9</p> <p>AQA Computer Science (1 hour a week) (3 hours a week for Set 5 & 6 only)</p>	<p>Managing Folders & Files</p> <p>E-Safety</p> <p>Computer Programming comprising of:</p> <ul style="list-style-type: none"> • Introduction to Python / IDLE • Input and Output • Commenting Code • Working with Numbers • Adding Up • IF Statements • For Loops • While Loops 	<p>Programming Practical Test</p>	<p>Computing Fundamentals (Exam Preparation) comprising of:</p> <ul style="list-style-type: none"> • Fundamentals of algorithms • Programming • Fundamentals of data representation • Computer systems • Fundamentals of computer networks • Fundamentals of cyber security • Ethical, legal and environmental impacts of digital technology on wider society, including issues of privacy • Aspects of software development 	<p>Computing Fundamentals Written Test 1</p>	<p>Component 1 – Practical Programming Controlled Coursework (Topic to be confirmed May 2016)</p>	<p>Controlled Coursework - Component 1</p> <p>Computing Fundamentals Written Test 2</p>

Year Group	Topics – Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics - Term 3	Key Assessments
<p>Year 10</p> <p>AQA Computer Science (1 hour a week) (3 hours a week for Set 5 & 6 only)</p>	<p>Managing Folders & Files</p> <p>E-Safety</p> <p>Component 1 – Practical Programming Controlled Coursework: Design of Solution</p>	<p>Controlled Coursework - Component 1 – Design of Solution</p> <p>Computing Fundamentals Written Test 1</p>	<p>Component 1 – Practical Programming Controlled Coursework: Solution Development & Programming Techniques</p>	<p>Controlled Coursework - Component 1 – Solution Development & Programming Techniques</p> <p>Computing Fundamentals Written Test 2</p>	<p>Component 1 – Practical Programming Controlled Coursework: Testing and Evaluation</p>	<p>Controlled Coursework - Component 1 – Testing and Evaluation</p> <p>Computing Fundamentals Written Test 3</p>

Year Group	Topics – Term 1	Key Assessments	Topics – Term 2	Key Assessments	Topics - Term 3	Key Assessments
<p>Year 11</p> <p>BTEC First Award in I&CT (1 hour a week) and</p> <p>BTEC First Certificate in I&CT (3 hours a week)</p>	<p>Managing Folders & Files</p> <p>E-Safety</p> <p>Unit 3 - Digital Portfolio comprising of:</p> <ul style="list-style-type: none"> • Designing a Digital Portfolio • Creating a Digital Portfolio 	<p>Unit 3 Coursework Assignment:</p> <ul style="list-style-type: none"> • Assignment 1 	<p>Unit 3 - Digital Portfolio comprising of:</p> <ul style="list-style-type: none"> • Testing a Digital Portfolio • Reviewing a Digital Portfolio 	<p>Unit 3 Coursework Assignment:</p> <ul style="list-style-type: none"> • Assignment 2&3 <p>External Online Exam: Unit 1</p> <p>External Online Exam: Unit 2 (Certificate Pupils Only)</p>	GCSE External Exams	GCSE External Exams