

	Year 7	Year 8	Year 9
<b>Autumn Term</b>	Autumn Term 1.1 Digital Literacy: Using Office application, folders, files Digital literacy: Searching on the internet focusing on fake news Baseline Test. Cyber Security Passwords ID theft Scams Assessment: practical presentation showing use of application skills Autumn Term 1.2 Digital literacy: use of Excel confidently Spreadsheet modelling Spreadsheet modelling Data collection and representation Assessment- practical spreadsheet being produced with a series of tasks-	Autumn Term 1.1 Digital Literacy: online threats, different types of malware and cryptography Cyber- security British Army NCA- National Crime Agency Types of hacking Cryptography Encryption Assessment- Cyber: written test on key knowledge recall Autumn Term 1.2 Digital Literacy: able to confidently use application software/ Use of hardware terms Hardware- storage devices, CPU, RAM/ROM Assessment- written on hardware- recall knowledge and application	Autumn Term 1.1 Digital literacy: able to outline the difference between reliable information on the internet and fake news. Cybersecurity Types of hacking Phishing Pharming SQL injection Assessment- written test recall knowledge Autumn Term 1.2 Data representation Binary Hexadecimal Binary addition Arithmetic left and right shift Assessment- written assessment recall knowledge
<b>Spring Term</b>	Algorithms- unplugged activity Robot to create shapes- writing instructions Assessment- producing own algorithms based on sequence Spring Term 2.2 Algorithm, problem solving using Python Turtle Assessment- practical skills showing Python turtle	Algorithms – unplugged Flowcharts Assessment- producing flow charts for problems given Spring Term 2.2 Digital literacy skills: able to use internet for research confidently Python programming - PRIMM Assessment Python- practical assessment on creating a GUI or Chat bot	Algorithms - unplugged Flow charts Assessment- producing flow charts for problem given. Spring Term 2.2 Computation thinking using Python Assessment- practical Python tasks
<b>Summer Term</b>	Summer Term 3.1	Summer Term 3.1 Programming using Pygame Summer Term 3.2	Summer Term 3.1 Digital Literacy- use of gaming software confidently Data representation using graphics and sound

	<p>Digital literacy: use of graphic designing and using Office applications confidently to portray work</p> <p>Programming using Click Team Fusion Assessment- producing a plan, storyboard and final game. Summer Term 3.2 Digital literacy: using the importance of being safe online</p> <p>Programming using Click Team Fusion Assessment- producing game</p> <p>E-safety</p>	<p>Digital literacy: using the importance of being safe online</p> <p>Pygame Assessment- producing a game E-safety</p>	<p>Summer Term 3.2 Digital literacy: using the importance of being safe online Data Representation of graphics Assessment- creating a game in Click Team Fusion based on a Retro Theme E-safety</p>
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