nishkamhighschool
birmingham

	Year 7	Year 8	Year 9
Autumn Term	Autumn Term 1.1 Digital Literacy: Using Office applications, folders, files Digital literacy: Searching on the internet focusing on fake news **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
Spring Term	**Algorithms**- unplugged activity Robot to create shapes: using '**design. Make, test, evaluate cycle'** Assessment- producing own algorithms based on sequence and problem solving Spring Term 2.2 Algorithm, problem solving using Python Turtle. : using '**Design. Make, Test, Evaluate cycle'** 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. '**Design. Make, Test, Evaluate cycle'**	**Algorithms** - unplugged Flow charts Assessment- producing flow charts for problem given. Spring Term 2.2 Computation thinking using Python. '**Design. Make, Test, Evaluate cycle'** Assessment- practical Python tasks
Summer Term	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

	Digital literacy: use of graphic designing and using Office applications confidently to portray work Programming using Click Team Fusion Assessment- producing a design, storyboard and final game. Summer Term 3.2 Digital literacy: using the importance of being safe online Programming using Click Team Fusion Assessment- '**Design. Make, Test, Evaluate cycle'** E-safety	Digital literacy: using the importance of being safe online Pygame: **'Design. Make, Test, Evaluate cycle'** Assessment- producing a game E-safety	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. '**Design. Make, Test, Evaluate cycle'** E-safety