



Northumberland's P.R.U.

IT/Computer Science (2024-25)

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15
Autumn 1 – ‘Equality & Diversity’								Autumn 2 – ‘Living in the Wider World’						
Subject Area Topic								Subject Area Topic						
1. How is email used to communicate?	2. How to create a professional document?	3. How to use tables in a professional document?	4. How is formula structured and used in a spreadsheet?	5. How are rules created for conditional formatting to alter an output?	6. How is an if statement used in a spreadsheet?	7. How is a vertical lookup used to reference data?	8. Assessment opportunity	1. Why is using the Internet a risk to me	2. Staying safe online	3. Keeping information private	4. Main issues related to Internet safety	5. How to ask for help	6. The challenges of social networks	7. Assessment opportunity
Notes/Links/Interleaving				Additional Higher Content				Notes/Links/Interleaving				Additional Higher Content		
Spring 1 – ‘The Circle of Life’							Spring 2 – ‘Conflict’							
Subject Area Topic							Subject Area Topic							
1. Does data have an order of magnitude?	2. How do I convert base 10 numbers (denary) to base 2 (binary)?	3. How do I use concepts from mathematics to add two binary numbers?	4. How is binary linked with text?	5. Assessment opportunity	1. How is an image stored digitally as binary?	2. What characteristics affect the file size of a digital image?	3. How is sound data stored digitally as binary?	4. Digital Sound Quality	5. Assessment opportunity					
Notes/Links/Interleaving				Additional Higher Content			Notes/Links/Interleaving			Additional Higher Content				
Summer 1 – ‘Health & Leisure’							Summer 2 – ‘Crime & Punishment’							
Subject Area Topic							Subject Area Topic							
1. What are input and output devices?	2. What hardware is inside a computer?	3. How does the CPU work? CPU-RAM-HDD	4. How does the CPU work? Fetch-Decode-Execute	5. What is an operating system?	6. Assessment opportunity	1. What is a network?	2. What hardware do I need to create a network?	3. What is a network topology?	4. How is a network designed for a client?	5. What is the internet?	6. The World Wide Web	7. Assessment opportunity		

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