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| **Unit 1: Online Safety -**  | **Y3 Skills:** |
| 1 | Understanding how the internet can be used to share beliefs, opinions and facts.  | **Online Safety-:****Key knowledge:*** To know that not everything on the internet is true: people share facts, beliefs and opinions online.
* To understand that the internet can affect your moods and feelings.
* To know that privacy settings limit who can access your important personal information, such as your name, age, gender etc.
* To know what social media is and that age restrictions apply.

**Key vocabulary:**accurate, age restricted, autocomplete, beliefs, block, content, digital devices, fact, fake news, internet, opinion, password, persuasive, privacy settings, reliable, report, requests, search engine, security questions, sharing, smart devices, social media platforms, social networking, wellbeing**Computing Systems and Networks-:****Key knowledge:*** To understand what a network is and how a school network might be organised.
* To know that a server is central to a network and responds to requests made.
* To know that a router connects us to the internet.
* To know how the internet uses networks to share files.
* To know what a packet is and why it is important for website data transfer.

**Key vocabulary:**cables, component, connection, corrupted, data, desktop, device, DSL (digital subscriber line), fibre, file, internet, laptop, network, network map, network switch, packets, radio waves, router, server, submarine cables, tablet, text map, The Cloud, web server, website, website trackers, WiFi, wired, wireless, Wireless Access Points, World Wide Web |
| 2 | Understanding the effects that some internet use can have on our feelings and emotional wellbeing.  |
| 3 | Understanding the ways personal information can be shared on the internet.  |
| 4 | Understanding the rules for social media platforms.  |
|  | Adaptations: |
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| **Unit 2: Computing Systems and Networks: Networks and the Internet (Microsoft Version) -**  |
| 1 | Understanding what a network is and understand our school network. |
| 2 | Understanding how information moves around a network and begin to recognise real world networks.  |
| 3 | Understanding how the Internet works and explain a website’s journey.  |
| 4 | Exploring the role of routers. |
| 5 | Understanding the role of packets.  |
|  | Adaptations: |

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| **Unit 3: Programming: Scratch-**  | Logo  Description automatically generated**Y3 Skills:** |
| 1 | Exploring a programming application through tinkering (Scratch).  | **Programming-:****Key knowledge:*** To know that Scratch is a programming language and some of its basic functions.
* To understand how to use loops to improve programming.
* To understand how decomposition is used in programming.
* To understand that you can remix and adapt existing code.

**Key vocabulary:**algorithm, animation, application, code, code block, coding application, debug, decompose, interface, game, loop, predict, program, remixing code, repetition code, review, Scratch, sprite, tinker**Data Handling-:****Key knowledge:*** To know that a database is a collection of data stored in a logical, structured and orderly manner.
* To know that computer databases can be useful for sorting and filtering data.
* To know that different visual representations of data can be made on a computer.

**Key vocabulary:**categorise, category, chart, data, database, fields , filter, graph, information, interpret, PDF, questionnaire, record, representation, sort,spreadsheet |
| 2 | Using repetition (a loop) in a program.  |
| 3 | Programming an animation, selecting blocks to create effects.  |
| 4 | Programming a story, continuing someone else’s program.  |
| 5 | Programming a gaming algorithm.  |
|  | Adaptations: |
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| **Unit 4: Data Handling: Comparison Cards Databases (Microsoft Version) -**   |
| 1 | Understanding the terminology around databases. |
| 2 | Comparing paper and computerised databases .  |
| 3 | Sorting, filtering and interpreting data.  |
| 4 | Representing data in different ways.  |
| 5 | Sorting data for a purpose.  |
|  | Adaptations: |

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| **Cross-Curriculum Links:**  |
| Unit 1 | RSE and PSHE |
| Unit 2 | English: Spoken languageRSE: Online relationshipsMaths: Measurement, Statistics  |
| Unit 3 | English: Spoken language, Writing – compositionMusic  |
| Unit 4 | Maths: Number and place value, Statistics |