Progression

This unit progresses learners’ knowledge and understanding of computing systems and online collaborative working.

Key Vocabulary and Definitions:

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| Communication | means of sending or receiving information, such as phone lines or computers. |
| Protocol | a set of rules or procedures for transmitting data between electronic devices |
| Data | information that is stored and processed digitally on a computer. |
| IP address | a unique string of characters that identifies each computer using the Internet Protocol to communicate over a network. |
| Domain Name Server (DNS) | a naming database in which internet domain names are located and translated into Internet Protocol (IP) addresses. |
| internet | the large system of connected computers around the world that allows people to share information. |
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Curriculum links

* Understand computer networks, including the internet; how they can provide multiple services, such as the World Wide Web, and the opportunities they offer for communication and collaboration
* Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information
* Use technology safely, respectfully and responsibly; recognise acceptable/ unacceptable behaviour; identify a range of ways to report concerns about content and contact

Teaching Sequence

Computing systems and networks -

1. To explain the importance of internet addresses.

2. To recognise how data is transferred across the internet

3. To explain how sharing information online can help people to work together

4. To evaluate different ways of working together online

5. To recognise how we communicate using technology and evaluate different methods of online communication

Online Safety Aims:

* + - 1. To explain the ways in which anyone can develop a positive online reputation
      2. To explain strategies anyone can use to protect their digital personality and online reputation, including degrees of anonymity

Blooms Taxonomy – Specific Verbs to Use in Lesson Aims

Knowledge: Describe, find, identify, list, locate, name, recognise, retrieve Comprehension: Classify, compare, explain, infer, interpret, paraphrase, summarise Application: Carry out, implement, use Analysis: Deconstruct, Organise, outline, structure Synthesis: Construct, design, devise, invent, make, plan, produce, Evaluation: Appraise, assess, choose,

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| Aims | Advice |
| * + - 1. To explain the ways in which anyone can develop a positive online reputation |  |
| 1. To explain strategies anyone can use to protect their digital personality and online reputation, including degrees of anonymity |  |

Final Outcome:

At the end of the term, learners will learn how to communicate responsibly by considering what should and should not be shared on the internet.