



# All Saints CE Primary School and Nursery

## Medium Term Planning



Class teacher: Faye Cooke Year Group 5: Term: Autumn 1 Subject: Computing

### British Values

| Lesson | SKILLS Based L.G.                                                                                     | Brief outline of lesson content<br>(or where this can be found/unit found in, if for example it is a published scheme such as Science)                                                                                                                                        | Key Vocabulary covered                                                                 |
|--------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1      | Online Safety Lesson -<br>Recognise that information can stay online and be copied.<br><b>Respect</b> | Teaching Sparks Digital Citizenship 5 - Lesson 1<br>In this step, the children will find out about the risks of sharing information online and explore useful steps to stay safe online.                                                                                      | useful steps to stay safe online.                                                      |
| 2      | To explain that computers can be connected together to form systems                                   | Teach Computing - Lesson 1 -<br>Learners are introduced to the concept of a system. They begin to understand that components can work together to perform a task. Finally, learners explore how digital systems can work and learn about physical and electronic connections. | System, components, task, digital system, physical connections, electronic connections |
| 3      | To recognise the role of computer systems in our lives                                                | Teach Computing - Lesson 2<br>Learners consider how larger computer systems work and how to keep our personal information safe online. They see how devices and processes are connected, and reflect on how computer systems can help them.                                   | Personal information, online, devices, processes, connections                          |
| 4      | To identify how to use a search engine                                                                | Teach Computing - Lesson 3<br>Learners are introduced to a range of search engines. They are given the opportunity to explain how to search, before they write and test instructions. Next, they learn that searches do                                                       |                                                                                        |

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|   |                                                                 | not always return the results that someone is looking for, and refine their searches accordingly. Finally, learners are introduced to the two most common methods of searching: using a search engine and using the address bar.                                                                                                                                                                                |  |
| 5 | To describe how search engines select results                   | Teach Computing - Lesson 4<br>Learners gain an understanding of why search engines are necessary to help them find things on the World Wide Web. They conduct their own searches and break down, in detail, the steps needed to find things on the web. Learners then emulate web crawlers to create an index of their own classroom. Finally, they consider why some searches return more results than others. |  |
| 6 | To explain how search results are ranked                        | Teach Computing - Lesson 5<br>Learners take part in an unplugged activity to find out about how a webpage's content can influence where it is ranked in search results. In groups, learners create paper-based webpages on a topic that they are familiar with. They then discover how their webpages would rank when searching for keywords relating to their content.                                         |  |
| 7 | To recognise why the order of results is important, and to whom | Teach Computing - Lesson 6<br>Learners explore how someone performing a web search can influence the results that are returned, and how content creators can optimise their sites for searching. They also explore some of the limitations of searching and discuss what cannot be searched.                                                                                                                    |  |