Lowerhouse Junior School
Computing Overview Sheet

Year 6 – Communication

National Centre for Computing Education

Rationale: In this unit, the class will learn about the World Wide Web as a communication tool. First, they will learn how we find information on the World Wide Web, through learning how search engines work (including how they select and rank results) and what influences searching, and through comparing different search engines. They will then investigate different methods of communication, before focusing on internet-based communication. Finally, they will evaluate which methods of internet communication to use for particular purposes.

Progression: This unit progresses students' knowledge and understanding of computing systems and online collaborative working.

Overview:	Subject Knowledge
Lesson 1: To identify how to use a search engine Lesson 2: To describe how search engines select results Lesson 3: To explain how search results are ranked Lesson 4: To recognise why the order of results is important, and to whom Lesson 5: To recognise how we communicate using technology Lesson 6: To evaluate different methods of online communication	**Lesson 1:** In this lesson, learners will be introduced to a range of search engines. They will be given the opportunity to explain how we search, then they will write and test instructions. Next, they will learn that searches do not always return the results that we are looking for, and will refine their searches accordingly. **Lesson 2:** In this lesson, learners will gain an understanding of why search engines are necessary to help us find things on the World Wide Web. They will conduct their own searches and break down, in detail, the steps needed to find things on the web. They will then emulate web crawlers to create an index of their own classroom. **Lesson 3:** This lesson includes an unplugged activity in which the class will learn about some of the main factors that influence how a search engine ranks a web page. Learners will create paper-based 'web pages' in groups, on a topic that they are currently studying. **Lesson 4:** In this lesson, learners will explore how the person performing a web search can influence the results that are returned, and how content creators can optimise their sites for searching. Learners will also explore some of the limitations of searching. **Lesson 5:** In this lesson, learners will deepen their understanding of the term 'communication'. They will explore different methods of communication, then they will consider internet-based communication in more detail. **Lesson 6:** In this lesson, learners will use information provided and their own prior knowledge to categorise different forms of internet communication. They will then choose which method they would use for the scenarios discussed in the previous lesson.

Assessment/Key Skills

Summative assessment

Please see the assessment question and answer documents for this unit.