



Medium-Term Planning

Subject: Computing



Term and Year:	Autumn Term, first half 2021		
Teacher:	Mr. Churchill		
Subject:	Computing		
Key Themes:	Search Engines-Use of the internet		
Memorable Experience:	Web Quest activity		
Vocabulary that will be taught:	Search engine Data	browser web index	reliability page rank validate
<u>National Curriculum Objectives:</u>			
<u>Key Stage Two:</u>			
<ul style="list-style-type: none"> • use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content • 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. 			
<u>Computing Skills that will be taught and assessed:</u>			
<u>Research and E-safety</u>			
Independently and with due regard for safety, search the internet using a variety of techniques to find a range of information and resources on a specific topic.			
<ul style="list-style-type: none"> • Use appropriate methods to validate information and check for bias and accuracy. • Repurpose and make appropriate use of selected resources for a given audiences, acknowledging material used where appropriate 			
Focus of each lesson 'Can I...' Statement(s)	Activities/Key points		

Lesson 1	<p><u>Learning Objective:</u></p> <p>Can I use search engines efficiently to find specific information?</p> <p><u>Success Criteria:</u></p> <p>I can compare search engines to ascertain which one is the most effective and suggest why.</p>	<p>Children to be reminded of the importance of E-safety and responsibility when using the internet. In this session, the children are reminded of what search engines are and how they can be used to find specific information quickly and efficiently.</p>
Lesson 2	<p><u>Learning Objective:</u></p> <p>Can I state that not all information online is true?</p> <p><u>Success Criteria:</u></p> <p>I can recognize that not all information online is true. I know that anyone can create a website. I can suggest ways of validating data.</p>	<p>Children to be introduced to the idea that the information that they can find online is not always true. The children will also be taught how to validate and check that the information they find is accurate.</p>
Lesson 3	<p><u>Learning Objective:</u></p> <p>Can I search efficiently and effectively?</p> <p><u>Success Criteria:</u></p> <p>I can use a search engine to information quickly and effectively.</p>	<p>Children will be required to complete a 'Web Quest'. The children must their pre-requisite searching skills from the previous weeks to find information as accurately as possible about a specific subject-Cross Curricular link to Geography – Our Country.</p>

Lesson 4	<p><u>Learning Objective:</u></p> <p>Can I create an information poster?</p> <p><u>Success Criteria:</u></p> <p>I can use Microsoft PowerPoint to create a poster. I can credit the source of the images on my poster.</p>	<p>Children to create an information poster using PowerPoint ensuring that they credit the source of the images in their work. The children will also be taught how to use hyperlinks to include video and other media in their work.</p>
Lesson 5	<p><u>Learning Objective:</u></p> <p>Can I use a web crawler?</p> <p><u>Success Criteria:</u></p> <p>I can research what affects page range and web index on common search engines.</p>	<p>Children will be taught about web crawlers and the function they perform. The children will also look at web indexes and page rank and what can affect these.</p>