MEDIUM TERM PLAN

TERM: Autumn 1		YEAR GROUP: 5		SUBJECT: Computing- Systems and Networks- Search Engines	
WEEK 1 DATE: 9/9/24	**WEEK 2 DATE: 16/9/24**	**WEEK 3 DATE: 23/9/24**	**WEEK 4 DATE: 30/9/24**	**WEEK 5 DATE: 7/9/24**	**WEEK 6 DATE:**
LO-To understand what a search engine is and how to use it. **Success Criteria-** I can explain what a search engine is. I can use a search engine to navigate the web. I can suggest keywords for searching. **Main Event**: Presentation- Searching. Children answer questions- What is a search engine? Why do we need a website to help us find information and websites on the world wide web? Children create a list of search engines that they know. Children discuss stated search engines and their features. Children pick three search engines and complete the same search on each one. Children record their results onto a document and then compare the results. **Support**: could use a single website or have help from peer opening three different tabs. **Challenge:** find the answers with the least number of clicks and typing.	**LO**-To be aware that not everything online is true. **Success Criteria**-I can recognise that not everything online is true. I can understand anyone can create a website. I can suggest ways of checking validity. **Main Event:** Share the website '*Save the Pacific Northwest tree Octopus*' with the children. Go through navigating the site. Children work in pairs on a device and make notes on the Tree Octopus from the website. Children should spot strange and inconsistent information. Children share their findings. Discuss that not all information on the web is true and they should always check more than one site. **Support:** differentiated reading activity online on website '*All about Explorers'*. **Challenge:** Should model good practices for search validity as soon as they click on a website	**LO:** To search effectively. **Success Criteria:** I can understand the importance of keywords. I can use the acronym TASK. I can use my search skills to answer focused questions. **Main Event:** Search 'Tudor Houses' on the web and show there are 7,900,000 results. Children discuss how they know what to click on. Use the presentation to discuss acronym TASK to help them decide whether to click on a website or not. Children use their search skills to answer questions on slide 3. Discuss how they will find reliable information. Children make notes. Children are selective about the information they gather and use their searching skills. **Support:** Could have a reduced number of questions to research **Challenge:** Could talk through the process with an adult or peer while they are working.	**LO:** To create an informative poster. **Success Criteria:** I can include a title and at least five facts. I can choose appropriate pictures, colours and designs. I can consider fair use. I can credit people for information, images and videos I use. **Main Event:** Children watch the video Creativity, copyright and fair use. Discuss the copyright information in the video and relate it to the research the children undertook in the previous lesson. Children answer questions. Using the slides children discuss copyright and licensing. Children create a poster with the information they gathered last week about Tudor houses using the link: Sketchpad **Support**: Could focus on creating their own content (e.g. adding text or shapes). **Challenge:** Should explain how they have considered copyright and fair use	**LO:** To understand how search engines work. **Success Criteria:** I can understand the role of a web index. I can explain what web crawlers are. I can discuss page rank. **Main Event**: Children look at presentation -Web crawlers and discuss new websites. Watch the link: Google - How 'search' works. Children act like web crawlers and search to find items placed around the classroom/ area before lesson. Children score their finds with web crawler sheet. Discuss how Google rates/ scores to decide how to order the web pages. **Support:** Should be reminded of the parallels between search engines and the unplugged activity. **Challenge:** Could suggest ways to improve a website to make it rank higher.	**LO: Success Criteria: Main Event: Support: Challenge:**