




What I Need to Know: Y5 Computing – Systems & Searching

We nurture the curiosity to learn, the courage to lead and the compassion to care.

Name:

Class:

We will develop our understanding of computer systems and how information is transferred between systems and devices. We will learn about small and large-scale systems and explain the input, output, and process aspects of a variety of different real-world systems. We will discover how information is found on the World Wide Web through learning how search engines work (including how they select and rank results) By comparing different search engines will discover what influences searching.

 Create, Communicate & Evaluate	
Create a paper based webpage on a familiar topic to compare & evaluate with online content	
 Question, Reason, Discuss & Explain	
Recognise & explain the role of computer systems in our lives	
Experiment with search engines	
Describe how search engines select results and explain how search results are ranked	
Compare results of searches on different search engines	
Recognise why the order of results is important, and to whom	
 Know & Do	
Know that computers can be connected together to form systems	

Vocabulary I need to know...
system connection digital input process output protocol address packet chat explore slide deck reuse remix collaboration

Opportunities to support English and maths
<ul style="list-style-type: none"> • Skim and scan texts to retrieve information or quotes quickly and accurately • Summarise main ideas from more than one paragraph • Make and justify inferences with appropriate evidence from the text • Provide reasoned justifications for their views, quoting evidence from across a text

Curriculum Links and Enrichment Activities
<ul style="list-style-type: none"> • Education for a connected world - understand that a person's online activity, history or profile (their 'digital personality') will affect the type of information returned to them in a search and how this may be intended to influence their beliefs, actions and choices. •