CARLTON PRIMARY SCHOOL

Computing	Year 5
Focus: Systems and searching	
Age related computing vocabulary	

Logical reasoning- External device- Any device that is not housed inside the computer cabinet. E.g. monitors, keyboards, mice and printers.	System- a basic, complete and functional hardware and software setup with everything needed to implement computing performance	Search engine- computer software used to search data (as text or a database) for requested information	Index- a list of data, such as group of files or database entries.

Computing Y5	Carlton Assessment Grid		
Success Criteria	**Pupil Reflection**		**Teacher Assessment**
I understand what systems are and how they are used in computers	Before ☐	After ☐	
I understand how computer systems help us in our daily lives	Before ☐	After ☐	
I understand how search engines work and can analyse and evaluate the information I get from a search engine	Before ☐	After ☐	
I understand how search engines use indexes	Before ☐	After ☐	
I understand how search engines rank results and how useful the results are	Before ☐	After ☐	
I understand choices when using technology and that not all content is safe and true	Before ☐	After ☐	

Key knowledge:

- computers can be connected together to form systems

- systems are built using a number of parts

- computer systems communicate with other devices

- Digital systems are used in a wide range of public contexts, e.g. airport, rail, or bus station arrival and departure boards

- search engines are systems and that in a search engine system, the search engine looks for information

- the input is the entering of the search term and the outputs are the results displayed

- search engines use programs known as crawlers (they may also be referred to as web crawlers, spiders, or spiderbots). Crawlers create an index of the World Wide Web. They 'crawl' websites for searchable content and store where it is found in an index

- search engines use algorithms to rank webpages