

My Year 4 unit on The Internet will help me with this unit.

**Key information**

**Smart locker**



In the previous lesson you looked at a smart locker system. How do computers help this system work successfully?

**Vocabulary**

<b>Crawlers</b>	Computer programs that crawl through websites for searchable content and store it in an index.
<b>Search Engine</b>	A program that searches for and identifies items in a database that correspond to keywords or characters specified by the user, used especially for finding particular sites on the World Wide Web.
<b>Search Engine Index</b>	The process where a search engine organises and stores online content in a central database (its index). The search engine can then analyse and understand the content, and serve it to readers in ranked lists on its Search Engine Results Page.

**Key Computing Skills and Knowledge**

- Know that **computers** can be connected together to form **systems**
- Know that **systems** are built using a number of parts
- Know that **computer systems** feature **inputs, processes** and **outputs**
- Know that **computer systems communicate** with other **devices**
- Know the benefits of **computer systems**
- Know that the parts of a **computer system** are not always in the same place or country
- Know that **computer systems** use the **internet** to **transfer** information
- Know that people can **collaborate** to create **online content** and these collaborations can be **public** or **private**
- Know that a **search engine** is a **system** that looks for information and be able to name some popular **search engines** e.g. Google / Bing etc
- Know that the **input** of a **search engine** is the entering of the search terms and the **output** is the results displayed
- Know ways in which to **refine** a **search**
- Know that **search engines** score **webpages** against the search term and display results in order
- Know that the top results are usually **sponsored posts** or **advert**s meaning those companies have paid the **search engine** for their positions in the ranking
- Know that not all information is available on the **web** e.g. private information such as medical records