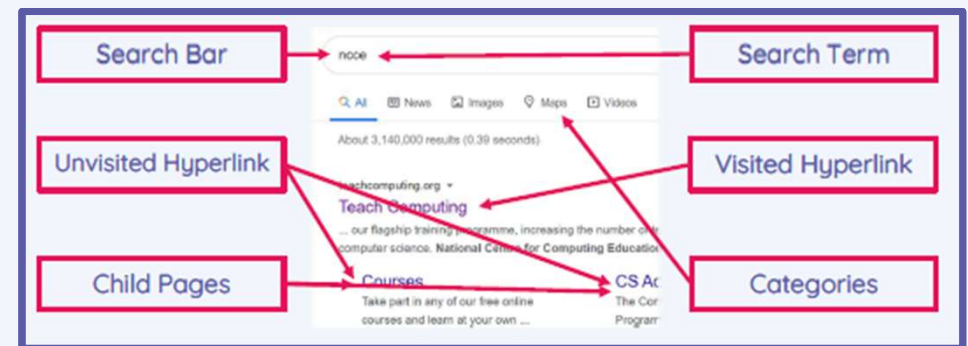


## Year 8 Computer Science Developing for the Web Knowledge Organiser

Key Word	Definition
HTML	Hypertext Markup Language, a language for the web that defines the structure of web pages.
Tags	Keywords which defines that how web browser will format and display the content.
Formatting	The process of configuring text for better look and feel.
Image	A visual representation of something.
Attribute	A piece of markup language used to adjust the behaviour or display of an HTML element.
Directory	A location for storing files on your computer.
Head	Web browsers use information contained in the head to render the HTML document correctly.
Body	The contents of the <body> element are what actually get displayed to the user visiting your web page or viewing your document
CSS	Cascading Style Sheets - used to define styles for web pages, including the design, layout and variations in display for different devices and screen sizes.
Style	A set of formatting characteristics that are defined in a cascading style sheet (CSS) and define how to display HTML elements.
Search Term	What users key into a search engine when they want to find something specific.
Keywords	The words and phrases that people type into search engines to find what they're looking for.
Hyperlink	An element in an HTML document that links to either another portion of the document or to another document altogether.
Spider	A specialised software designed to systematically crawl and browse the World Wide Web to index Web pages.
Index	Another name for the database used by a search engine.

## Year 8 Computer Science Developing for the Web Knowledge Organiser

Key Word	Definition
Query	A word or phrase that an internet user types into a search engine's search box to answer an inquiry or question.
Ranking	How relevant a Web page is to the keywords a user enters when doing an online search.
Crawler	A computer program that's used to search and automatically index website content and other information over the internet.
Connective	The word or phrase used to combine search parameters to create a better search result.
Operator	A process used to compare logical expressions that returns a result of True or False.
NOT	A Boolean operator which turns True to False and vice versa.
AND	A Boolean operator which returns True only when both inputs are True.
OR	A Boolean operator which returns True when either or both of the inputs are True.
Quote Search	Using speech marks to encapsulate the exact phrase being sought in an internet search.
Website	A set of related web pages located under a single domain name.
Navigation	The action of users moving through and interacting with websites and applications.



```

<!DOCTYPE html>
<html>
<body style="font-family:verdana;font-size:20px;background:lightblue;">
<h1 style="font-family:times new
roman;font-size:50px;color:red;text-align:center;border: 5px solid
blue;">Developing for the Web</h1>
<p>This website will provide you with information on the following:</p>
<ul>
<li>Using HTML to produce the pages of your website</li>
<li>Implementing CSS to format your web pages</li>
<li>How search engines work</li>
<li>Improving search results</li>
</ul>
<p><em>Hypertext Markup Language </em><b>(HTML)</b> and <em>Cascading Style
Sheets</em> <b>(CSS)</b> are used to create and format pages of a website.
CSS allows you to make formatting changes to your website in one document. The
'instructions' in this document are then
applied to your web pages.</p>
</body>
</html>

```

```

<!DOCTYPE html>
<html>
<body style="background:#236AB9;color:white">
<h1
style="color:#FC7307;text-align:center;font-family:courier;">Hypertext Markup
Language - HTML</h1>
<center><img src=code.jpg width="50%"></center>
<center><h2 style="font-family:courier;">Let's take a look at some
of the tags we can use to format our web pages:</h2></center>
<ul style="font-family:courier;font-size:15px">
<li><b>&lt;p&gt;&lt;/p&gt;</b> paragraph text</li>
<li><b>&lt;b&gt;&lt;/b&gt;</b> bold text</li>
<li><b>&lt;em&gt;&lt;/em&gt;</b> emphasis
<li><b>&lt;u&gt;&lt;/u&gt;</b> underline
<li><b>&lt;ul&gt;&lt;/ul&gt;</b> creates an unordered
(bulleted) list</li>
<li><b>&lt;ol&gt;&lt;/ol&gt;</b> creates an ordered
(numbered) list</li>
<li><b>&lt;li&gt;&lt;/li&gt;</b> adds an item to the
list created</li>
</ul>
<p style="font-family:courier;"><b><em><u>All</u></em></b> text
should be enclosed between the corresponding opening and closing tags. Tags can
also be nested to use multiple formatting options.</p>
</body>
</html>

```

Edinburgh OR castle

[All](#)
[Maps](#)
[News](#)

About 1,160,000,000 results

**OR operator**  
Finds pages with  
either Edinburgh or  
castle on them.

Edinburgh -castle

[All](#)
[Maps](#)
[News](#)

About 179,000,000 results

**NOT operator**  
Finds pages with  
Edinburgh, but removes  
those with word castle.

"Edinburgh castle"

[All](#)
[Maps](#)
[News](#)

About 4,230,000 results

**Phrase search**  
Pages found that  
only have "Edinburgh  
castle" on them, in  
that order.

```

h2 {
    color:DarkRed;
}

h2 {
    color:DarkGreen;
}

h2 {
    color:DarkBlue;
}

```

### Writing CSS

A benefit of using CSS is that  
changes only need to be made in  
one place

### Linking CSS

The CSS file link is placed in the  
head of the HTML document.

### The start of the process

The first step in digesting food is its  
breakdown by the mouth.

## Data and Information

Learned about HTML being the building blocks of websites

Learned how to add images to websites in HTML

Learned how CSS applies formatting to web pages

Learned how web pages are ranked by search engines

Learned how to combine search terms for better internet search results

Learned how to add hyperlinks to a web page

## Creating Media

Created and modified a simple website

Added images to a website in HTML

Added CSS to a website to improve formatting

Created a number of web pages

Added hyperlinks to a web page

Responded to feedback by altering your work

## Impact of Technology

Learned about what a search engine is

Learned how search engines create indexes of websites

Learned how to use search techniques effectively to find websites

Learned how search terms can affect search results



# Learning Graph

