

Sixth Form Y11-12 Transition Work

Subject – Computer Science

Due to be handed in – first lesson in September. This work should take you approximately 6 hours to complete to a high standard.

Learning Objectives:

1. To conduct research into the areas of HTML and CSS coding.
2. To apply the skills learnt in the research conducted to develop a web page about yourself.

Success Criteria:

Must: Conduct relevant research and create a basic HTML page with simple CSS and script.

Should: Develop the style of the site further with advanced CSS and add interactive features like forms.

Could: Add Javascript to enhance the page.

Explanation of task:

1. Start by researching and learning all about HTML and CSS coding. The best way to do this is through the following site:

www.w3schools.com/html/default.asp

Complete the tutorial sections on the left under the headings '**HTML Tutorials** (just up to the HTML Javascript task)' and '**HTML forms**'

2. Your task is to create a **single webpage (NOT site)** all about yourself using only HTML/CSS code. This should be completed in Notepad or Notepad++.

Note: You must not use any form of website development kit like Muse, Dreamweaver, Wix etc. to complete the task. The page will be simple in appearance but the aim of this section in Computer Science is to understand the code behind the site and not what makes a good design.

Included is a basic example to start you off, you may use this as a starting point but I'm expecting your end product to vary greatly from this (and be much better!).

You can bring your finished website code to the lesson in September either printed or ideally in digital format (email or memory stick). If printed remember to show a screenshot of what your finished site looks like.

Extension:

Develop your site further with Javascript or more advanced CSS (There are entire standalone sections on Javascript and CSS on the w3schools site). Aim to make your page look more professional.

Resources to support your work...

Note: Image files (like Dog.jpg below) must be in the same folder as the HTML file itself. Your code should also be saved as HTML (e.g. mypage.html)

Example Page:

```
<html>
```

```
<head>
```

```
<title>My Pet Dog</title>
```

```
</head>
```

```
<body>
```

```
<h1>Main heading</h1>
```

```
<h2>Sub heading</h2>
```

```
<h3>Even smaller heading</h3>
```

```
<p>This is one line of text in the web page
even though it appears to be
over several lines here in raw HTML.
This is because it is encased in one paragraph tag.
</p>
```

```
<p>This is a new paragraph of text and so will appear in the web browser on a new
line</p>
```

```
<p>  </p>
```

This `TEXT HERE` is actually a link to the Wikipedia page about dogs.

This is an Ordered List:

```
<ol>
  <li>Dog</li>
  <li>Cat</li>
  <li>Mouse</li>
</ol>
```

This is an Unordered List:

```
<ul>
  <li>Dog</li>
  <li>Cat</li>
  <li>Mouse</li>
```

Main heading**Sub heading****Even smaller heading**

This is one line of text in the web page even though it appears to be over several lines here in raw HTML. This is because it is encased in one paragraph tag.

This is a new paragraph of text and so will appear in the web browser on a new line



This [TEXT HERE](#) is actually a link to the Wikipedia page about dogs. This is an Ordered List:

1. Dog
2. Cat
3. Mouse

This is an Unordered List:

- Dog
- Cat
- Mouse

Enter Your Name:
Press the button when ready:

```
</ul>

<form>
  Enter Your Name: <input type="text" name="yourName"><br>
  Press the button when ready: <input type="submit" value="Click Me!">
</form>

</body>

</html>
```

This work is important because it leads to a better understanding of Web technologies and gives you the foundation to the work covered in Unit 12 of Paper 1 of your exam.

If you do this you will then be able to use this as a starting point to your assessment for unit 12: Web Technologies.