

## Web Authoring

- 21.1 Web Development Layers
- 21.2 Create a Web Page
- 21.3 Use Stylesheets
- 21.4 Test and Publish a Website

# ICT IGCSE Practical – Revision Presentation

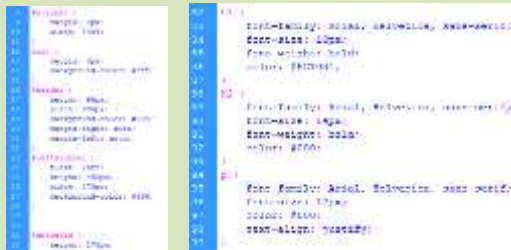
## Web Authoring

### Web Development Layers

#### Presentation Layer

To format whole web page(s) or individual elements. Stylesheet could include page layouts using Div Tags and text/table formatting properties.

The presentation layer is in the **CSS**.



#### Content layer:

To enter the content (Text, images, audio, video etc) into a web page and to create suitable hyperlinks.

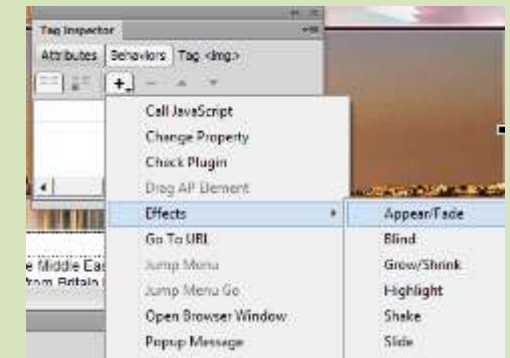
The Content layer is in the **HTML**.



#### Behaviour layer

To enter scripting language to a web page or an individual element.

- Image Effects
- Pop up message



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## Web Authoring

### HTML (Hyper Text Markup Language) – Content Layer

- HTML is used to **develop the content layer** of the website.
- The HTML **file extension** is **.HTM** or **HTML**
- HTML can be written in web authoring or text editing software

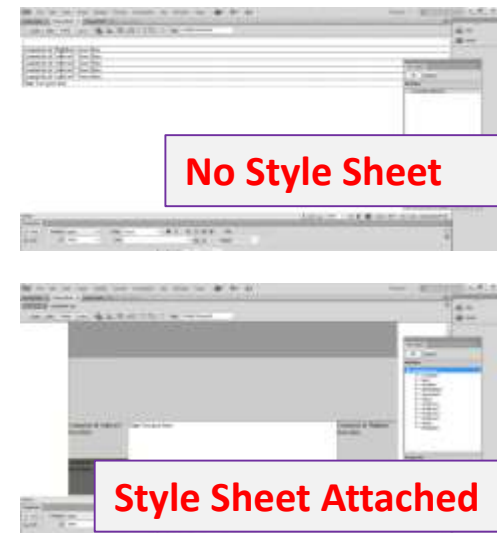


### CSS (Cascading Style Sheet) – Presentation Layer

- Styles can be created **separately** or **embedded** into **HTML**.
- The CSS **file extension** is **.CSS**
- Style Sheets could be **attached** to a number of webpages to give a **consistent layout** and **appearance**.

```

82 h1 {
83     font-family: Arial, Helvetica, sans-serif;
84     font-size: 18px;
85     font-weight: bold;
86     color: #8C1031;
87 }
88 h2 {
89     font-family: Arial, Helvetica, sans-serif;
90     font-size: 14px;
91     font-weight: bold;
92     color: #000;
93 }
94 p {
95     font-family: Arial, Helvetica, sans-serif;
96     font-size: 12px;
97     color: #000;
98     text-align: justify;
99 }
    
```



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## Web Authoring

### Creating CSS for Text Styles

**Tip:** If you have been giving the task of creating a CSS then make sure you use the **CSS Window**.

- 1) Create New CSS and then **Save**
- 2) Open the **CSS Window** – using this will eliminate mistakes
- 3) Select **Tag** and then **write the name of the tag (H1, H2 etc.)**
- 4) Select the properties for Tag (Size, colour etc.)

**Tip:** Write all colours in 6 hexadecimal digits e.g.  
**#000000**

**1**

**2**

**3**

**4**

**Code – For Heading1**

```

/* CSS Do
h1 {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 14px;
    font-style: italic;
    font-weight: bold;
    color: #FF0000;
}

```

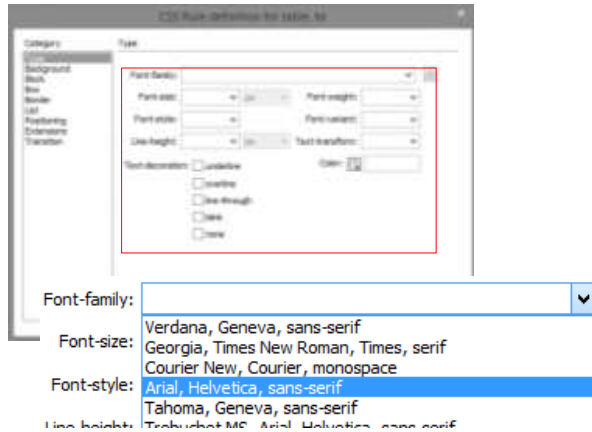
**Tip:** You can Align the style in Block  
If you are writing the code the  
**center** alignment is spelt at **center**.  
**Writing Centre will not work.**

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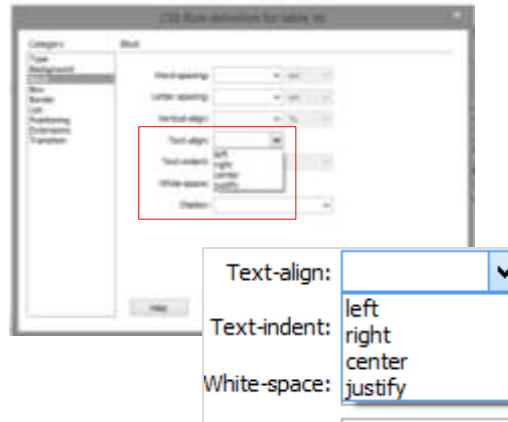
## Web Authoring

### CSS (Commonly Used Windows)

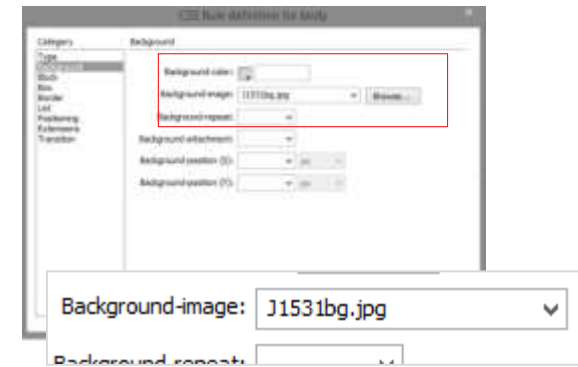
#### Type: Format Text



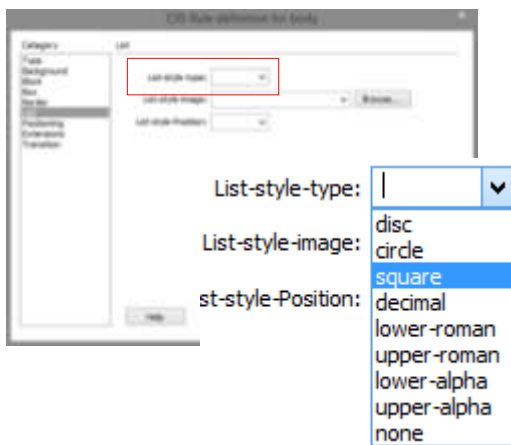
#### Block: Alignment



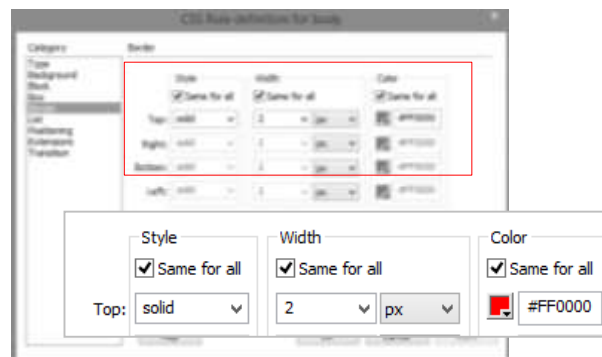
#### Background



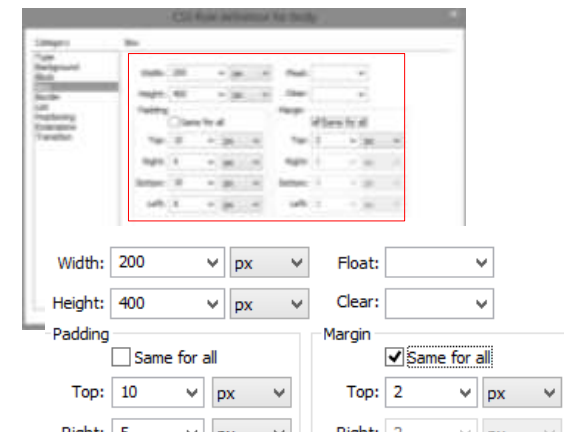
#### List: Bullet Style



#### Border: Internal/External Border



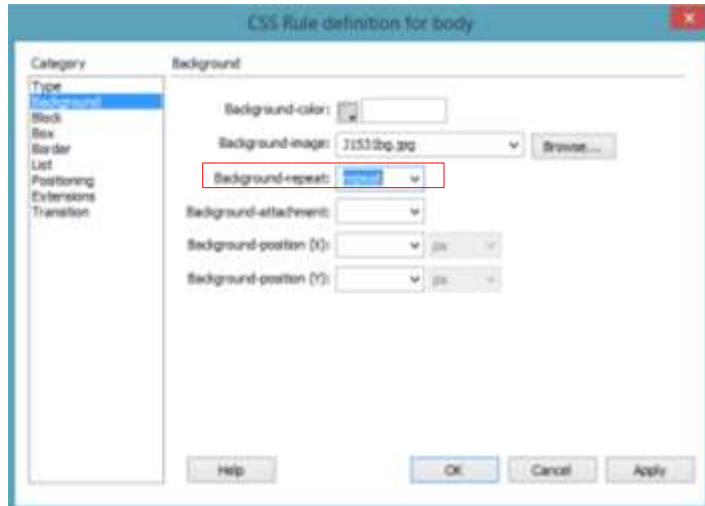
#### Box: Format Table



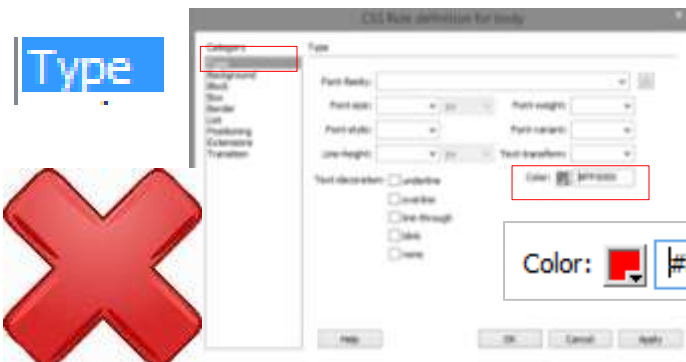
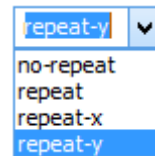
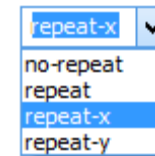
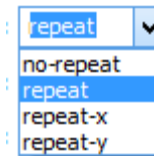
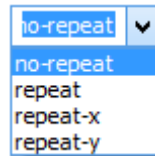
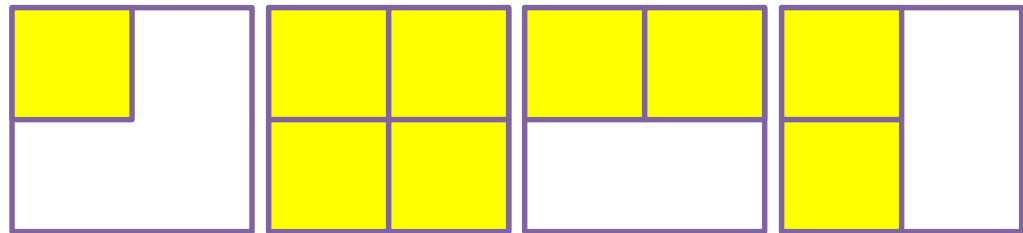
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## Web Authoring

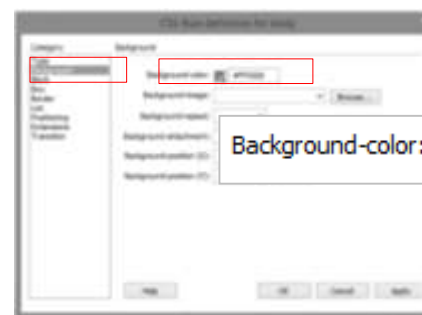
### Body Tag



**Body Tag:** Is used to set **properties for the webpage background**. You can either browse and **select an image for the background** or choose a **colour**. The **background repeat option** will allow you to choose how the background image will be laid out.



**Background**



**Tip:** Make sure the **background colour** is not placed in the **type window**.

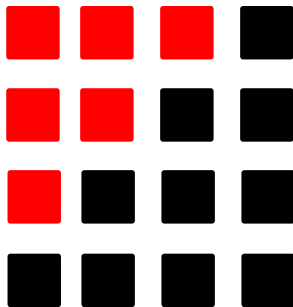
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## Web Authoring

### Hexadecimal Colours



The closer the number gets to **00** then the colour will become a **darker shade**.



	Red	Green	Blue	RGB
#	FF	FF	FF	White
#	FF	00	00	Full Red
#	00	FF	00	Full Green
#	00	00	FF	Full Blue
#	C0	00	00	$\frac{3}{4}$ ON (75%) Red
#	80	00	00	$\frac{1}{2}$ On (50%) Red
#	40	00	00	$\frac{1}{4}$ on (25%) (Darker Shade)
#	00	00	00	OFF (Black)

Make sure all colour settings are in 6 digits Hexadecimal e.g. **#000000**

**#000060** – (**60** has been used in previous mark schemes when requested to set a colour as a dark shade)

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## Web Authoring

### Correcting CSS for Text Styles

#### Incorrect CSS

```
h1 {
    font-family: arial, Times New Roman, sans-serif;
    font-size: 24px;
    font-style: italic;
    fontweight: bold;
    color: redcolour;
    text-align: centre;
}

li {
```

#### Correct CSS

```
h1 {
    font-family: Arial, Helvetica, sans-serif;
    font-size: 24px;
    font-style: italic;
    font-weight: bold;
    color: #FF0000;
    text-align: center;
}

li {
```

**Tip:** If you are asked to **correct a CSS** then you could either **re-write it completely** or **edit the existing CSS** and correct the errors

#### Stylesheet1

- **Font:** Arial, Helvetica or default sans-serif font
- **Font Size:** 24px
- Italic, Bold, Red
- Center Aligned.

#### Corrected Mistakes

- Times New Roman removed
- Semi Colons (;) in correct place at the end of each part of the code.
- Font-Weight (missing dash)
- Colour now in correct format.
- } To close the CSS Tag



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## Web Authoring

### Correcting CSS for Text Styles

Open the file j1531style2.css

This stylesheet contains errors. It should define the following styles:

(All colour codes are in hexadecimal).

body	background image	j1531bg.jpg	#8B0000
h1	Colour: Font:	Red 8B, Green 0, Blue 0 Helvetica, or if not available Arial, or if not available the browser's default sans-serif font Italicised 30 pixels high Aligned centre	#191970
h2	Colour: Font:	Blue 70, Red 19, Green 19 Helvetica, or if not available Arial, or if not available the browser's default sans-serif font 20 pixels high Aligned centre	#000080
h3	Colour: Font:	Green 0, Blue 80, Red 0 The browser's default serif font 16 pixels high Aligned left	
table	No visible table border or gridlines.		

Correct and complete this stylesheet. All colour codes must be in 6 digit hexadecimal form. The stylesheet must contain no html tags.

### Mistakes:

- No brackets to open and close CSS Tags
- No semi-colons to separate parts of the CSS
- Colours in wrong order
- Spelling mistakes
- Unnecessary Text

```
body {background-image: url(J1531bg.jpg);
}

h1 {
    font-family: Helvetica, Arial, sans-serif;
    font-size: 30px;
    font-style: italic;
    color: #8b0000;
    text-align: center;
}

h2 {font-family: Helvetica, Arial, sans-serif;
    font-size: 20px;
    color: #191970;
    text-align: center;
}

h3 {
    font-family: serif;
    font-size: 16px;
    color: #000080;
    text-align: left;
}

table, td { border:0;
}
```

If you are editing the CSS then put the brackets **{Start & End }** in the correct place for each tag.

Then use the CSS window to enter correct CSS and **delete the old (useless) code.**

```
body    background image    J1531bg.JPG
h1 Colour:    Red 8B, Green 0, Blue 0
Font:    Helvetica, or if not available Arial, if not available any sans-serif font
    Italicised
    30 pixels high
    Aligned centre
h2 Colour:    Blue 70, Red 19, Green 19
Font:    Helvetica, or if not available Arial, if not available any sans-serif font
    20 pixels high
    Aligned centre
h3 Colour:    Green 0, Blue 80, Red 0
Font:    The Browser's default serif font
    16 pixels high
    Aligned left

table    No visible table border or gridlines.
```

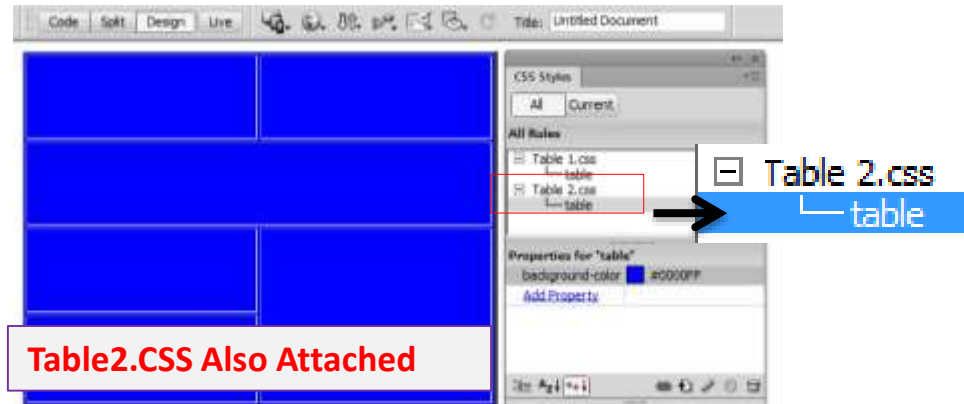
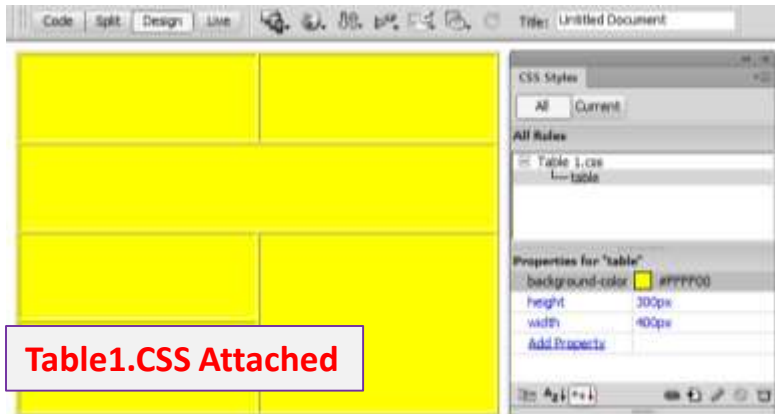
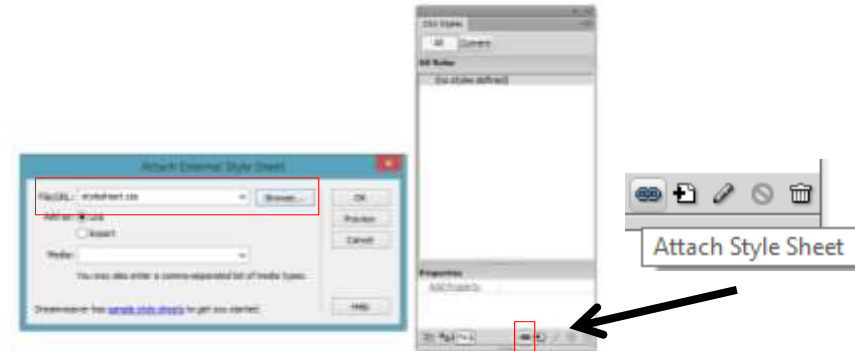
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## Web Authoring

### Attaching Style Sheet

#### Attaching Style Sheet

1. Open the **CSS Window**
2. Click on the **Attach Style Sheet Icon**
3. Click on the **browse** button and select stylesheet.
4. Click **Ok** to **Attach Style Sheet**.



#### Hierarchy of multiple attached stylesheets

Adding **additional stylesheets** will **over rule elements from previously attached stylesheets**. In the example show above once the **Table2.CSS is attached** then the **colour** of the table has changed from **Yellow (from the Table1.CSS)** to **Blue (Table2.CSS)** however the other **elements have stayed the same**.

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## Web Authoring

### Applying CSS Text Styles

**CSS text styles** for **heading**, **paragraphs** and **list styles** can be **applied to text in a HTML webpage** (in the content layer). The **properties panel** at the bottom of the page can be used to **apply particular text styles**. You can also use the **code view** to apply styles.

1) Highlight the text.  
2) Go to the properties panel  
3) Select a specific format.

**Heading 1 Style Applied**

**List Styles (OL/UL)**

**Code View:** Remember to open `<h1>` and close `</h1>` the tags

```
<h1>Sony to sell PC unit and cut jobs</h1>
```

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## Web Authoring

### CSS for Tables


**TD: Internal Border** (Style, Size, Colour)

**Table: External Border** (Style, Size, Colour)  
Table Colour, Padding, Text Alignment,  
Table size, Collapse Border etc

**Tip: If you have set internal borders for a table then create the additional TD Tag.**

Set the stylesheet so that each table has:

- a yellow background colour
- a width of 80% of the window
- navy blue solid borders
- collapsed borders
- external borders of 4 pixels
- internal gridlines of 2 pixels
- cell padding to the top and bottom of 10 pixels
- cell padding to the left and right of 20 pixels
- text centre aligned in all cells.

**Both TD/Table**

**TD: Internal Border**

- Solid, 2 Px, Navy Blue (80)

**Table: External Border**

- Solid, 4 Pixels, Navy Blue (80)
- Yellow Background Colour
- 80% Width of the window
- Cell Padding (Top & Bottom 10Px), (Left & Right 20Px)
- Text Align Centre
- Collapse Border

Some tags from **table** would also work in **TD** like **text alignment** or **cell padding**.

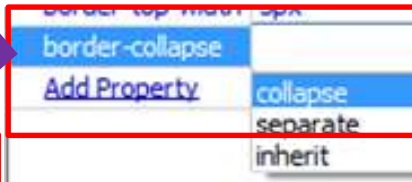
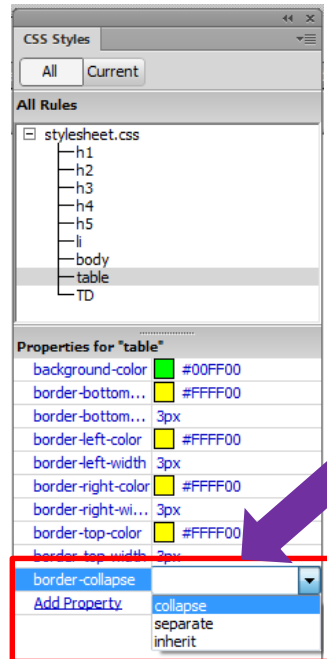
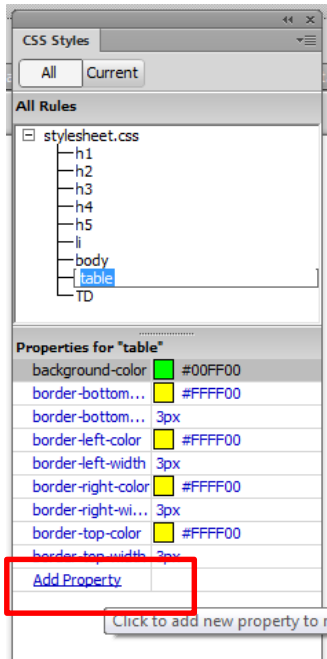
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## Web Authoring

### Border Collapse

**Before** Border Collapse


**After** Border Collapse

**Tip:** Border Collapse will make the border into one as you can see in the example.

You can preview the difference in the browser or live view.

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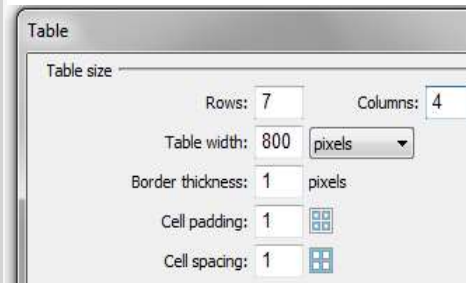
## Web Authoring

### Creating a Table

This webpage must open in any browser and contain a single table to look like this:

A		M
B	H	N
C	I	
D	J	
E	K	
F	L	
G		

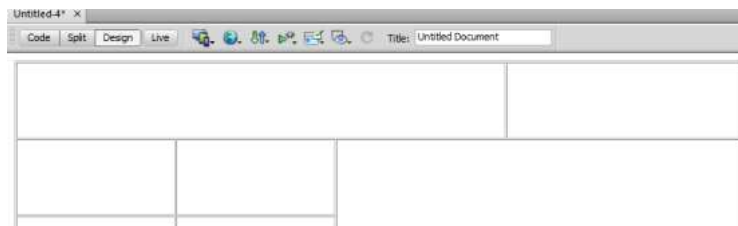
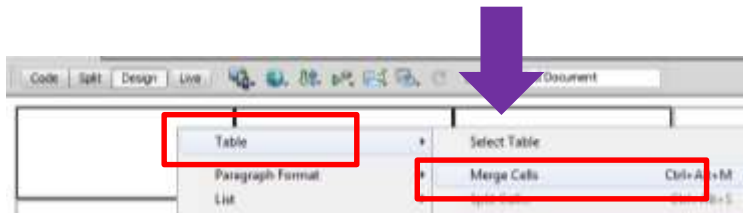
Set the width of the table to 800 pixels and the height to 600 pixels.



### Creating Tables

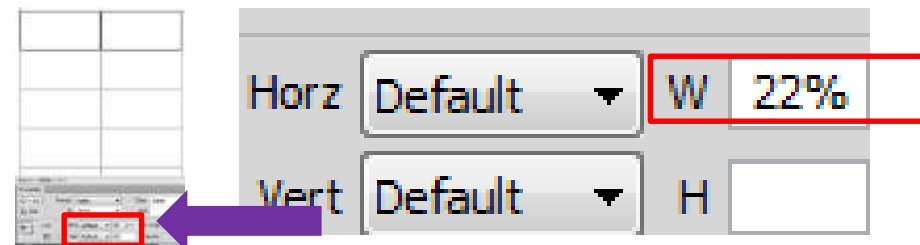
- 1) Insert >> Table
- 2) Work out the number of rows and columns.
- 3) Set border, padding and spacing if necessary.

**Merging Cells:** Highlight cells to merge.  
Right click >> Table >> Merge Cells.



For all cells in rows 2 to 6 in the table, set the width of the:

- first (left) column to 22% of the width of the table
- second column to 22% of the width of the table.

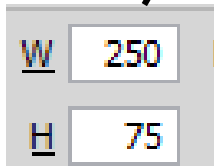
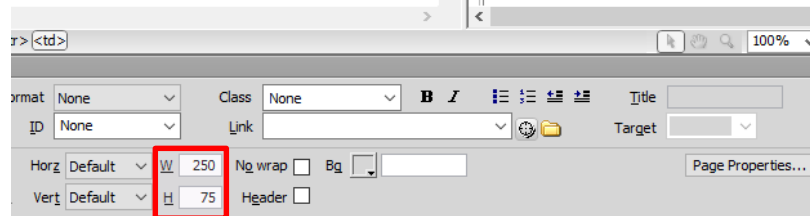


**Column Width:** You can change a column width to the a percentage in the properties panel.

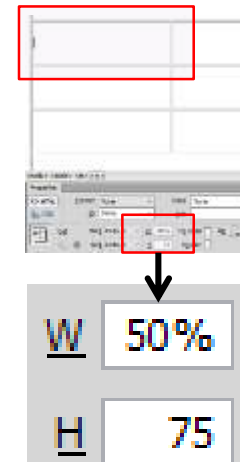
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# Web Authoring

## Setting Table Size

 <td width="250" height="75"> |[illegible]

- You can either **resize a table element** in the **properties panel** or in the **Code**.
- In the exam you may have to **highlight** the code which shows the **table/TD sizes**.

[illegible]

Width (W) and Height (H) can also be set as a %

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## Web Authoring

### Creating a Table

#### TR Table Row

```
<tr>
<tr>
```

```
table width="500" border="1">
  <tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
  </tr>
```


#### TD Table Data

```
<td>&nbsp;</td>
```

```
table width="500" border="1">
  <thead>
    <tr>
      <td>&nbsp;</td>
      <td>&nbsp;</td>
      <td>&nbsp;</td>
    </tr>
  </thead>
```


```
<body>
<table width="800" height="600" border="1" cellspacing="1" cellpadding="1" bordercolor="lightblue">
  <tr>
    <td>&nbsp;</td>
    <td>&nbsp;</td>
```

```
<body>
<table width="800" height="600" border="1"
cellspacing="1" cellpadding="1">
  <tr>
```

#### Tip:

To set the **height** of the table you must go into the **code view**.

You would have to click **after** the **table width** and then **enter Height**. You can then set the **height**.



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## Web Authoring

**Tables** are used to **structure (layout)** the content on a webpage. HTML tags are used to format the table. The **table header (Thead)**, **footer (Tfoot)** and **body (Tbody)** needs to be inserted in this order.

**Table HTML Tags:**  
**Table:**v  
**TD:** Table Data  
**THEAD & TH:** Header  
**Tfoot:** Footer  
**Tbody:** Body

Heading 1	Heading 2	Heading 3
Footer 1	Footer 2	Footer 3

Table Body

Table Header

Table Footer

```
<body>
<table width="500" border="1">
  <thead>
    <tr>
      <th>Heading 1</th>
      <th>Heading 2</th>
      <th>Heading 3</th>
    </tr>
  </thead>
```

```
<tfoot>
<tr>
  <td>Footer 1</td>
  <td>Footer 2</td>
  <td>Footer 3</td>
</tr>
</tfoot>
```

```
<tbody>
<tr>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
</tr>
<tr>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
  <td>&nbsp;</td>
</tr>
</tbody>
```

## Web Authoring

### Creating Table Style Sheet

Source Code **style1.css\***

Code Split Design Live Live Code Inspect

file:///C:/Users/yasara/Desktop/Web authoring

```
1 @charset "utf-8";
2 table {
3     background-color: #FF0000;
4     border: 2px solid #0000FF;
5     border-collapse: collapse;
6 }
7 td {
8     border: 1px solid #000000;
9 }
10 thead {
11     background-color: #FFFF00;
12     text-align: right;
13 }
14 tfoot {
15     background-color: #00FFFF;
16     text-align: center;
17 }
18 tbody {
19     background-color: #00FF00;
20 }
```

Heading 1	Heading 2	Heading 3
footer 1	footer 2	footer 3

Category: Type, Background, Block, Box, **Border**, List, Positioning

Border

Style: ☒ Same for all, Top: solid

Width: ☒ Same for all, 1 px

Color: ☒ Same for all, #000000

Tables can be used to layout content in a webpage.

**Table:** Used for general settings for the table  
Table Colour, Padding , Text Alignment, Table size, Collapse Border etc

**TD (Table Data):** Used to format the TD.

**Thead (TH):** Used to format the **header** of the table.

**Tfoot:** Used to format the **footer** of the table.

**Tbody:** Used to format the **body** of the table.

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## Web Authoring

### Table HTML Tags and Embedded CSS

HTML Tags could be used or edited to apply additional formatting. For example you may want to change the background colour of a table row.

Increase this number for border thickness.

```
<table width="500" height="600" border="0">
```

```
bordercolor="#0000FF">
```

Border not visible in live view

```
<table width="500" height="600" border="1">
  <tr>
    <td height="200" colspan="2">&nbsp;</td>
  </tr>
  <tr>
    <td width="250" height="75">&nbsp;</td>
```

```
b bgcolor="#FF0000">
```

```
<table width="500" height="600" border="1" bordercolor="#0000FF" bg>
  <tr>
```

```
<table width="500" height="600" border="1" style="
  <tr>
    <td height="200" colspan="2">&nbsp;</td>
  </tr>
  <tr>
    <td width="50%" height="75">&nbsp;</td>
    <td width="250" height="75">&nbsp;</td>
```

You can also create CSS Style tag to format elements of your table.

For Example: Border Collapse

```
style="border-collapse: collapse">
```

The table will be centre aligned within the browser.

Create a web page called n15\_3\_sponsor.htm

This web page must work in all browsers and will have a table structure as shown below.

Table borders and gridlines must be visible.

The table will be centre aligned within the browser.

Each table cell is identified with a letter and all dimensions are in pixels.

A 620 x 190	
B 310 x 235	C 310 x 235
D 310 x 80	E 310 x 80
F 310 x 235	G 310 x 235
H 310 x 80	J 310 x 80
K 620 x 160	

The letters shown in the table must **not** appear on your final web page.

```
<body>
<table width="600" border="1" s>
  <tr>
    <td bgcolor="#FFFF00">&nbsp;sp;
    <td bgcolor="#FFFF00">&nbsp;sp;
    <td bgcolor="#FFFF00">&nbsp;sp;
  </tr>
  <tr>
    <td bgcolor="#FFFF00">&nbsp;sp;
    <td bgcolor="#FFFF00">&nbsp;sp;
    <td bgcolor="#FFFF00">&nbsp;sp;
  </tr>
```

style="margin-left:auto; margin-right:auto;"

sp;</td>

sp;</td>

sp;</td>

sp;</td>

sp;</td>

sp;</td>

= "margin-left:auto; margin-right:auto;"

i>

i>

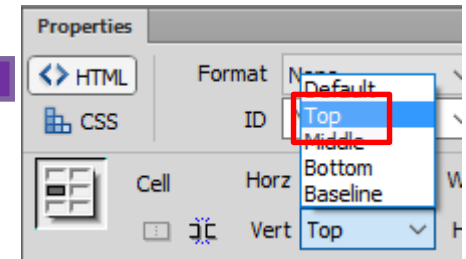
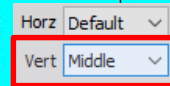
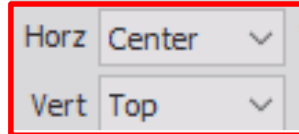
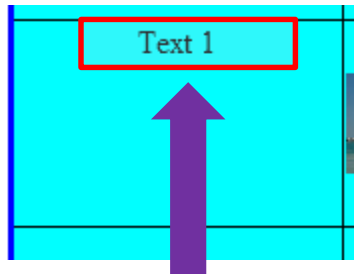
style="margin-left:auto; margin-right:auto;"

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

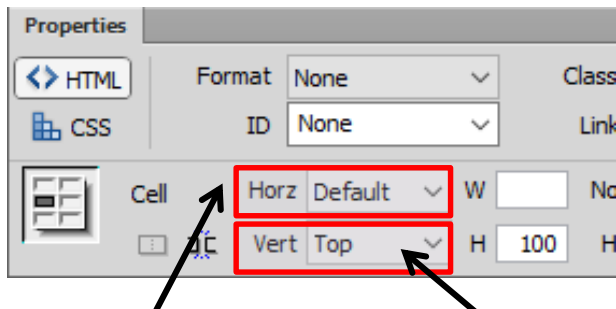
### Table Alignment

The properties panel can be used to align content (V or H) in a Table Cell (TD).



`<td height="100" valign="top">`

HTML Tag



Horizontal Alignment

Vertical Alignment

You can also use embedded CSS in HTML for formatting either vertical or Horizontal alignment in a cell (TD)

`style="vertical-align:top">&nbsp;  </td>`

## Web Authoring

- 21.1 Web Development Layers
- 21.2 Create a Web Page
- 21.3 Use Stylesheets
- 21.4 Test and Publish a Website

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Software Choices

Images: Use **Fireworks** if it says open a the file in a suitable application (Jpeg or Gif)

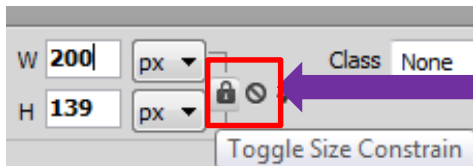
Open the file **N13DUNE.JPG** in a suitable application.

Reduce the image size to 500 pixels wide and maintain its aspect ratio. Do not reduce the image resolution. Place screen shots in your evidence document to show this.

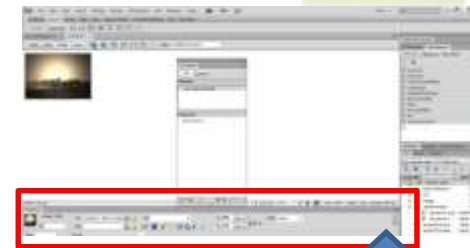


Images: Use **Dreamweaver** if they don't mention the use of a suitable software. You can use the **properties panel** to resize an image.

Resize the images placed in steps 37 to 39 so they are 200 pixels wide and maintain their aspect ratio.



**Aspect Ratio:** Keep the padlock locked to maintain the aspect ratio

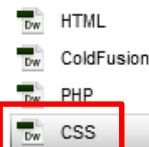


Properties Panel

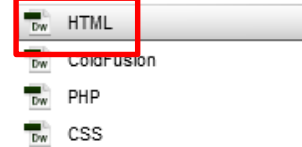
**HTML & CSS:** Use **Dreamweaver** for these file types.

You would use **Dreamweaver** to create or edit **CSS** or **HTML** files.

Create New



Create New

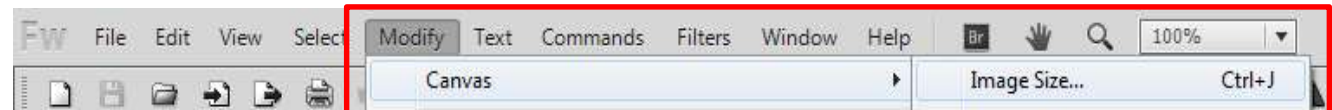


# ICT IGCSE Practical – Revision Presentation

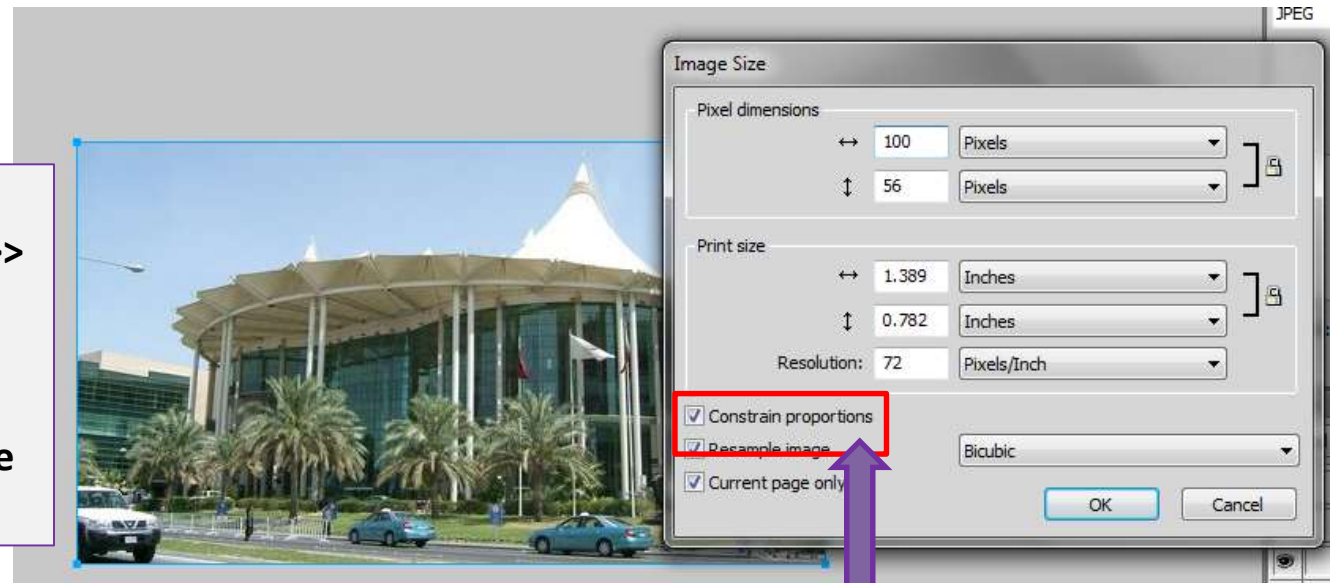
## Web Authoring

### Resize an image in a suitable application

**Tip:** If it asks you to resize an image in a suitable software than you must use **Adobe Fireworks**.



- 1) Open the image
- 2) Click on **Modify** >> **Canvas** >> **Image Size**.
- 3) Write in the new dimensions of the image.



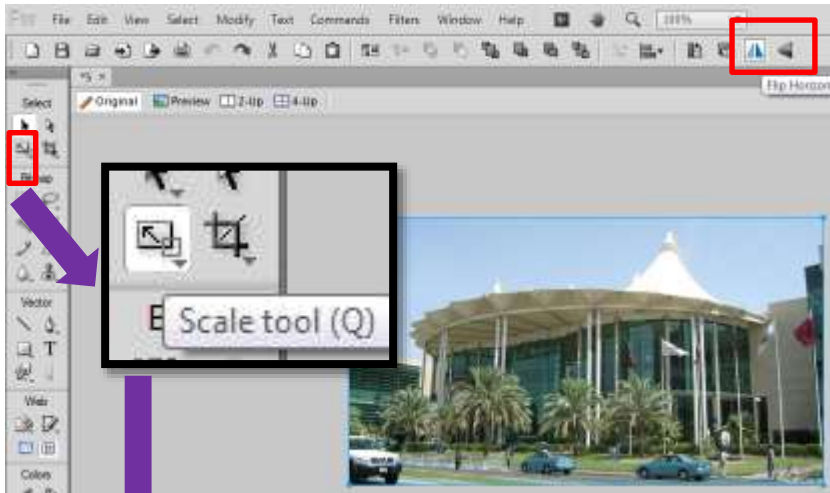
If you wish to maintain the aspect ratio then make sure **Constrain Proportions** has been selected.



# ICT IGCSE Practical – Revision Presentation

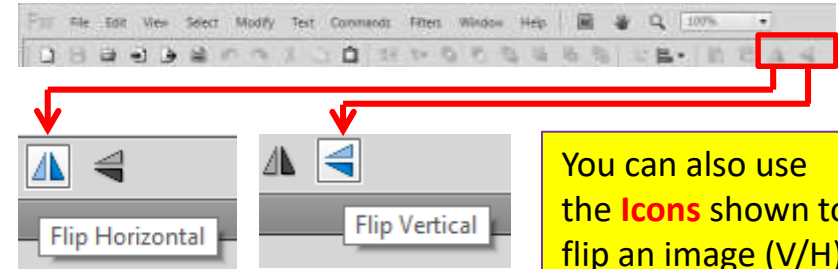
## Web Authoring

### Flip Horizontal/Vertical (Reflect)

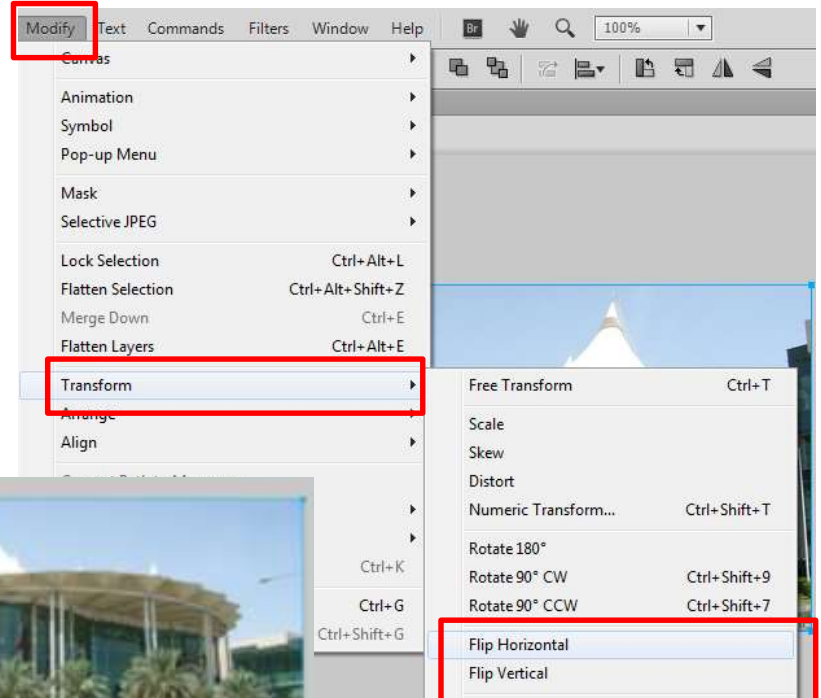


You can **rotate an image** using the **Scale Tool**.

- 1) Select the image
- 2) Click on **Modify >> Transform >> Flip Horizontal/Vertical**. This will flip the image



You can also use the **Icons** shown to flip an image (V/H).

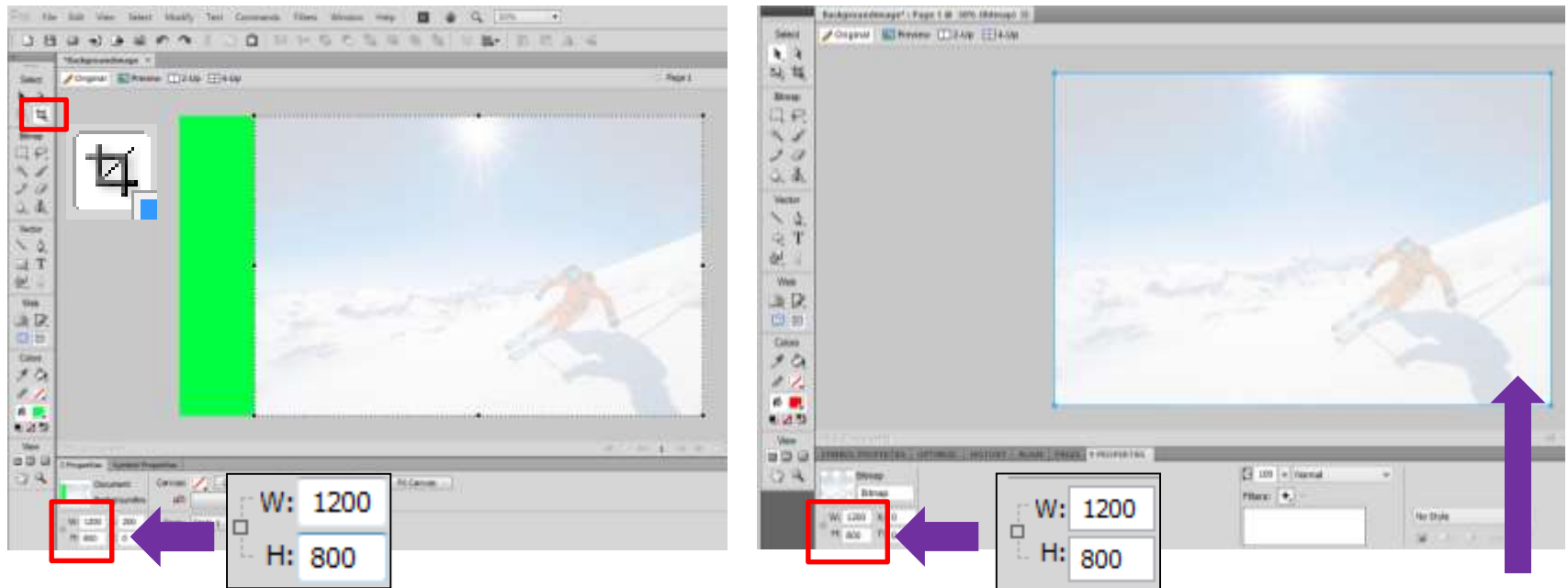


**After: Horizontal Flip**

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

**Editing Graphics (Cropping Image):** Cropping is to remove a part of an image.



In the example shown above the **left side of the image (Green) has been cropped** off so the image is **1200 PX wide** and **800 PX high**.

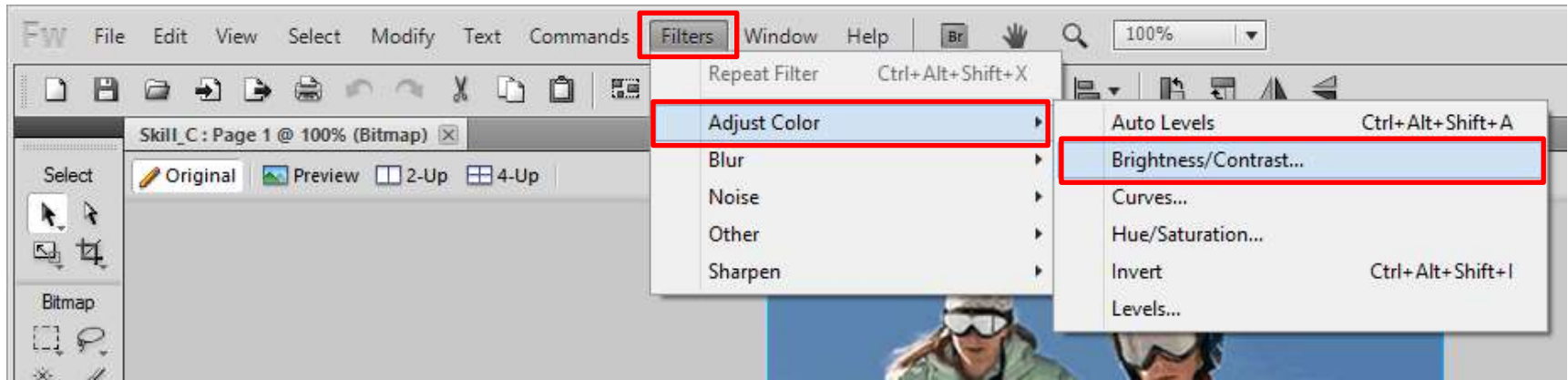
### Example Cropping Question

Crop off the right side of the image so that it is 400 pixels wide and 1000 pixels high. Save this image as **NXBOARD2.JPG**

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Editing Graphics: Brightness and Contrast



Original Image

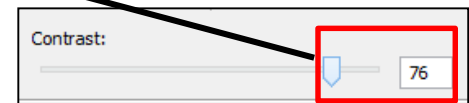
Increased Brightness

Increased Contrast



- 1) Click on **Filter** >> **Adjust Color** >> **Brightness/Contrast**.

Then apply the appropriate **brightness** or **contrast** settings.

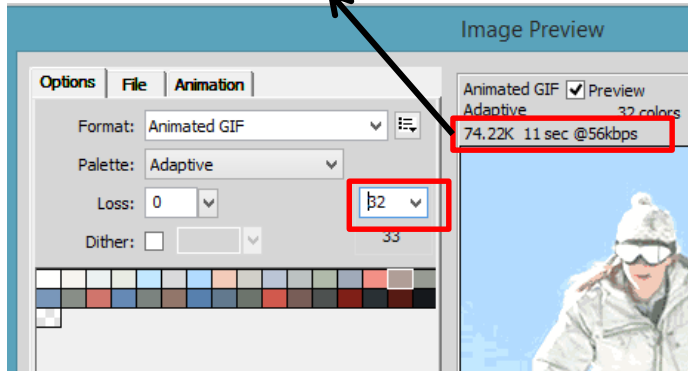


# ICT IGCSE Practical – Revision Presentation

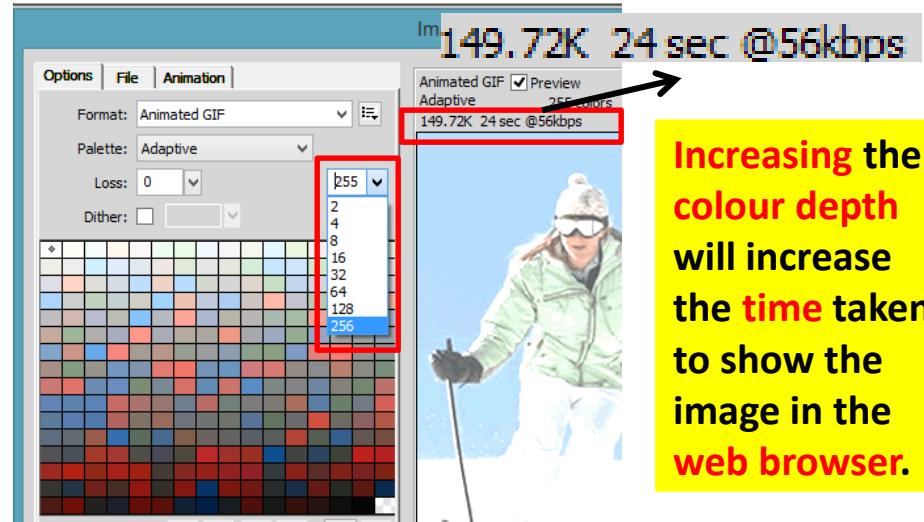
## Web Authoring

### Editing Graphics: Colour Depth

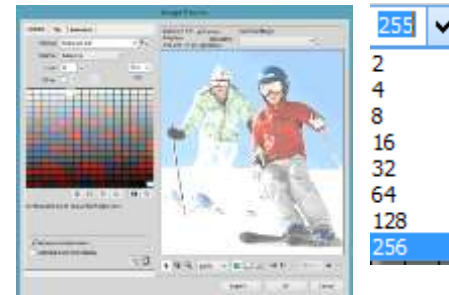
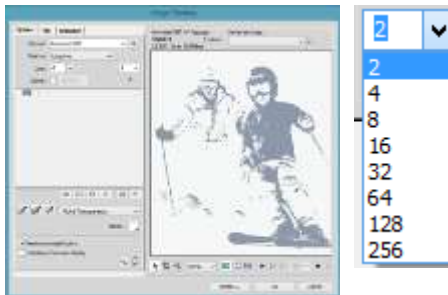
74.22K 11 sec @56kbps



149.72K 24 sec @56kbps



Increasing the colour depth will increase the time taken to show the image in the web browser.



Increasing the colour depth will increase the quality of the image which will mean an increased file size.

# ICT IGCSE Practical – Revision Presentation

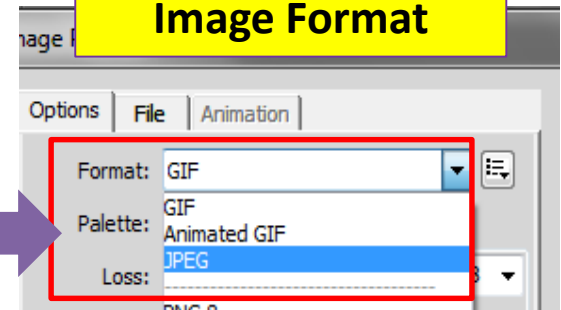
## Web Authoring

### Exporting Graphics

In Export Wizard you can do the following:

- Select the format of the image (Gifs & Jpegs)
- Optimize the quality of the Image
- Change colour setting
- See the file size.
- Sometimes you may have to change a GIF into a JPG.

#### Image Format

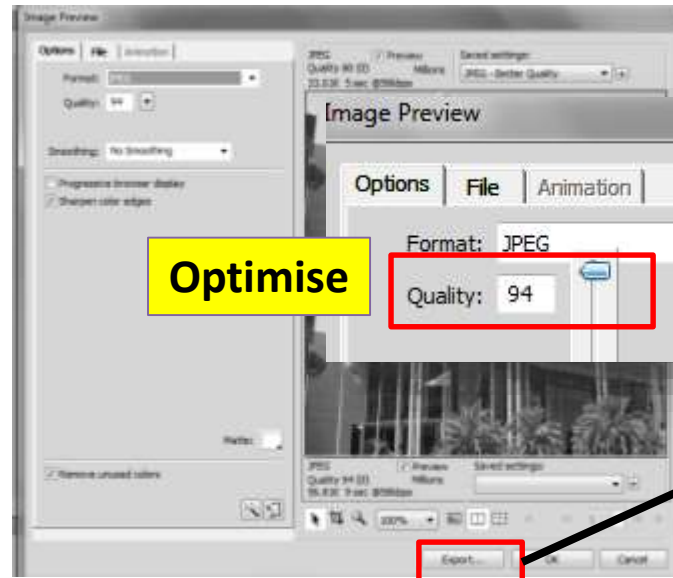
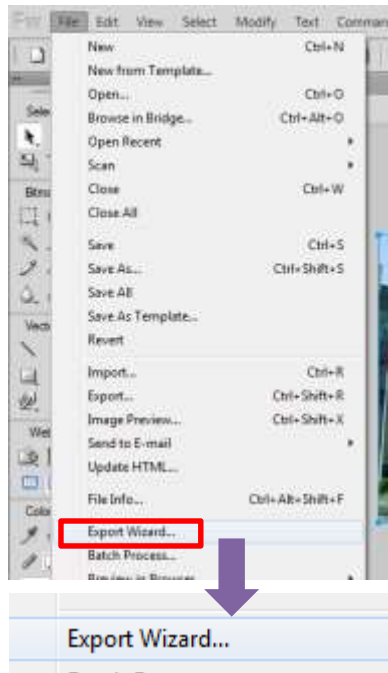


#### File Size

JPEG  
Quality 80 (0) Million  
33.01K 6 sec @56kbps

#### Optimise

Format: JPEG  
Quality: 94



Export...

OK

Cancel

Export with current settings

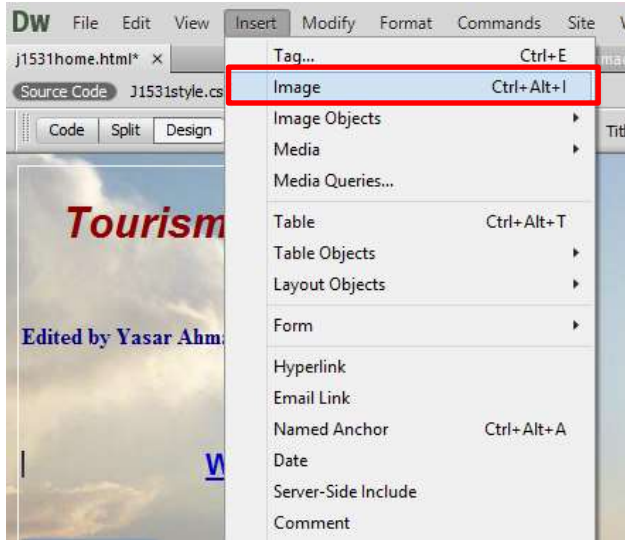
Reducing image resolution will reduce the image size.  
This will allow the image to load up quicker on the web browser.



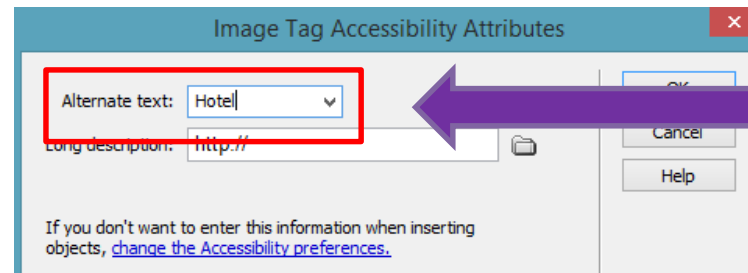
# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Alternative Text

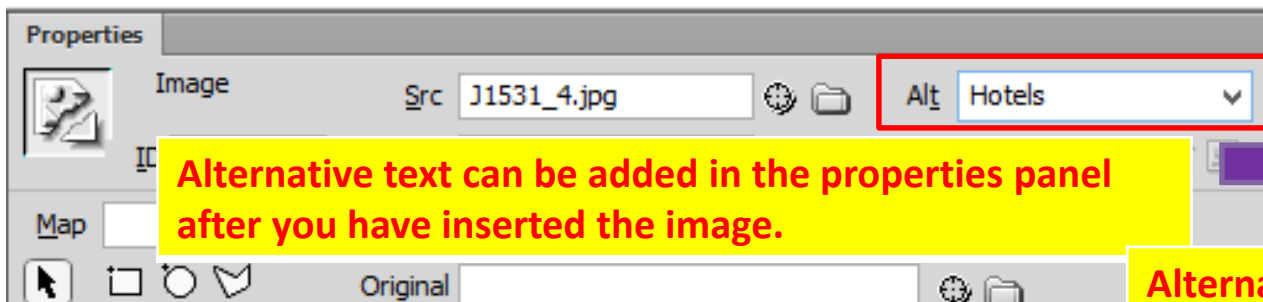


**Alternative Text** can be added when **importing an image**. The **alternative text** will show if the **image does not load up**. The alternative text can also be **typed into the windows panel** shown below. Typically the alternative text would have to be highlighted in the HTML code.

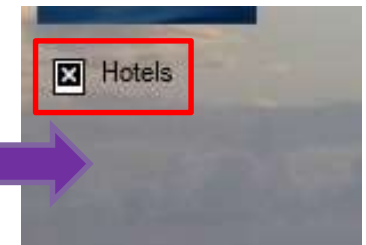


**Alternative text** can be added when inserting the image.

```
tr>  
<td width="100" height="100">
```



**Alternative text** can be added in the properties panel after you have inserted the image.



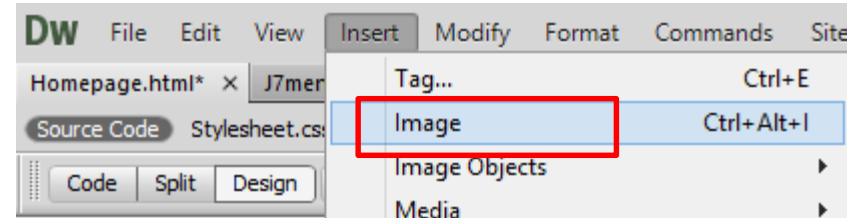
**Alternative text** is shown when the image can not be loaded.

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Inserting Content (Text and Images) into a Table

#### Blank Table

<p><b>Hothouse Design can provide your stationery and ICT needs, with a first rate service and high quality products.</b></p> <p>We offer a range of products including:</p> <ul style="list-style-type: none"> <li>• stationery</li> <li>• computer hardware</li> <li>• computer software</li> <li>• computer consumables</li> </ul> <p>and much more.</p>	
<p><b>You can contact us in many ways.</b></p>	
<p>Through our website on-line - use our order form. By post - order our catalogue and complete the order form. By phone or fax - all contact details on this website. You can order our catalogue for a full listing of our services.</p>	

**Text** can be entered or copied and pasted in from external sources.

To insert an **image** click on the table cell (**TD**) and then click on:

**Insert >>> Image**

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Applying List Styles

#### Unordered List - UL

```
<body>
```

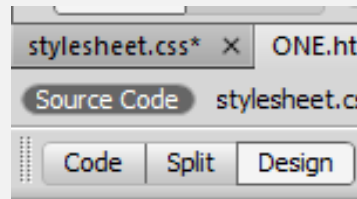
```
<ul>
```

```
<li>one </li>
```

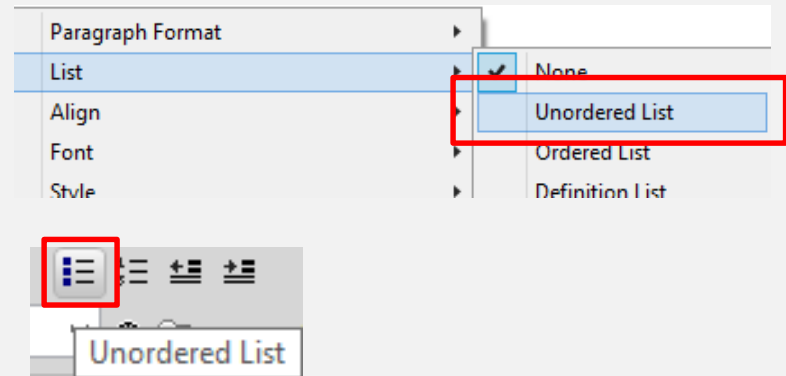
```
<li>two</li>
```

```
<li>three</li>
```

```
</ul>
```



• one  
• two  
• three



#### Ordered List – OL

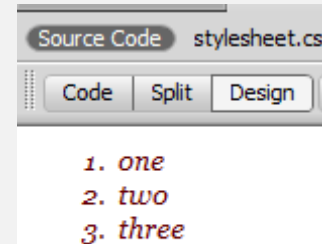
```
<ol>
```

```
<li>one </li>
```

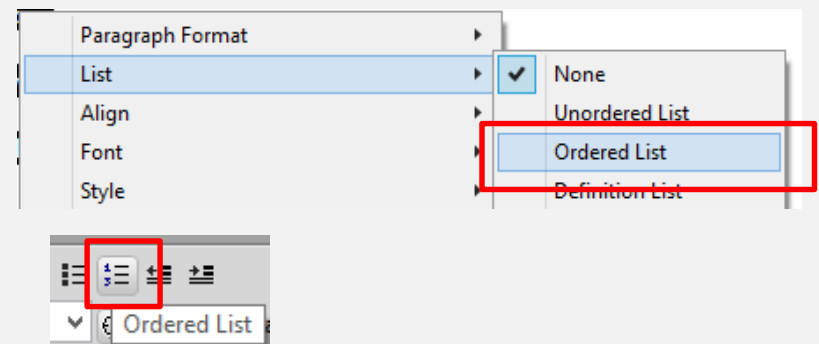
```
<li>two</li>
```

```
<li>three</li>
```

```
</ol>
```



1. one  
2. two  
3. three



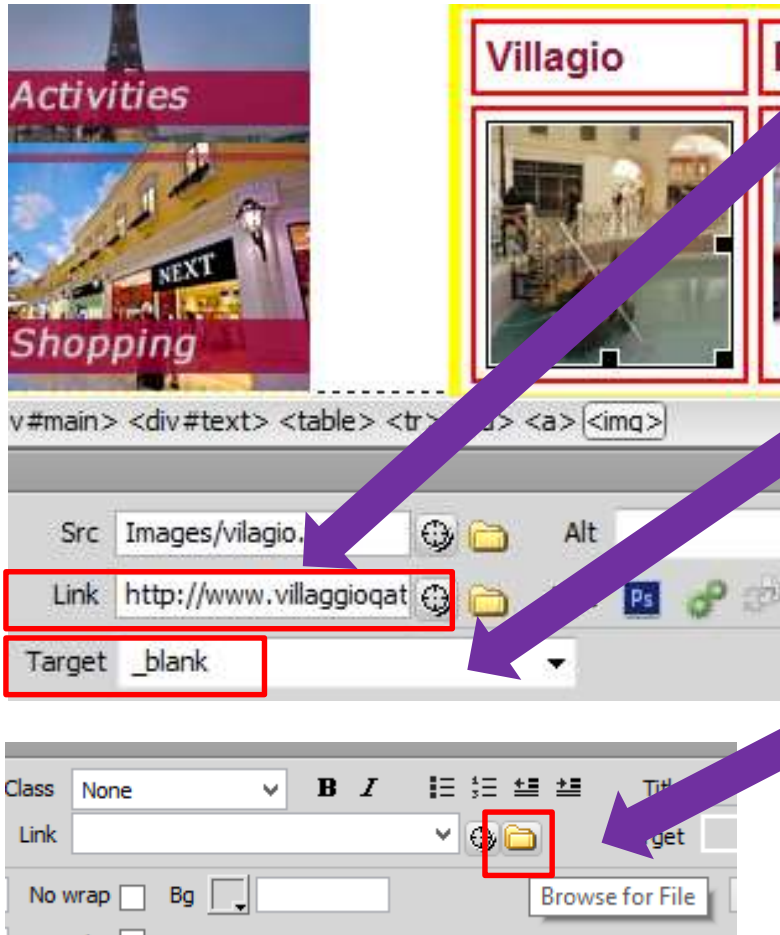
OL/UL will pick up properties from a LI tag (Size, Font).  
Unique settings can be set for OL/UL tags like disc styles.



# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Hyperlinks

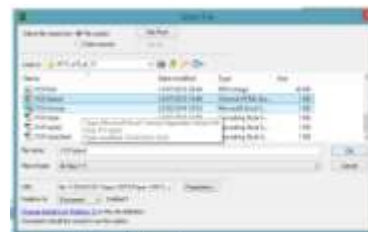


To link to an **external webpage** select either the image or text and then insert the **URL address** into the **Link section** of the properties panel.

You can select the option to open to a **new window**.

You can name the new window by replacing **\_BLANK** with the name of the new window e.g **\_NEWNAME**

You can hyperlink to another **internal webpage** from your website if you select the folder. Then you can select the **HTML file** which you should find in the **root folder** of your website.



 J1531island

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Absolute and Relative File Paths

**Absolute File Path:** Is the complete path to the file location.

```
<a href="https://www.google.com/">Link to Google</a>
```

```
<li class='last'><a href='Pages/Chapter21.html'><span>Chapter 21: Website authoring (Dreamweaver)</span></a></li>
```

```
<a href='Pages/Chapter21.html'>
```

**Relative File Path:** Is the file path from the current directory.

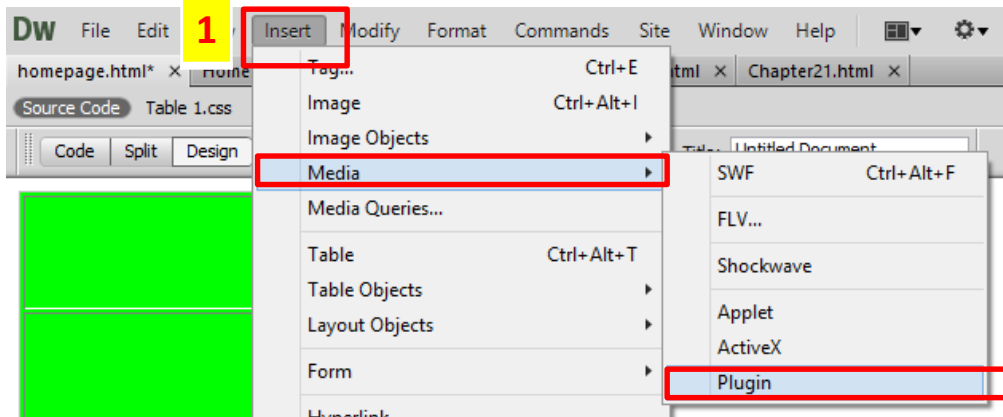
```
<li class='last'><a href='Chapter21.html'><span>Chapter 21: Website authoring (Dreamweaver)</span></a></li>
```

```
<a href='Chapter21.html'>
```

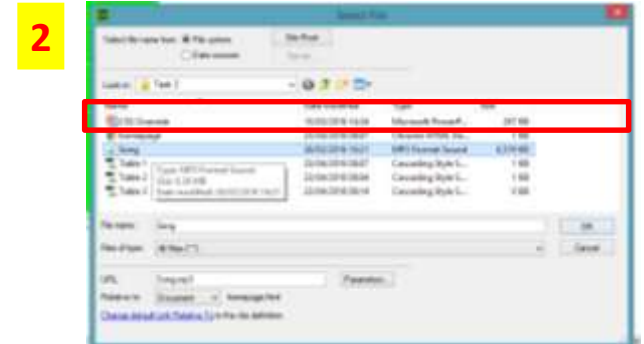
# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Importing Media Content (Audio, Video etc)

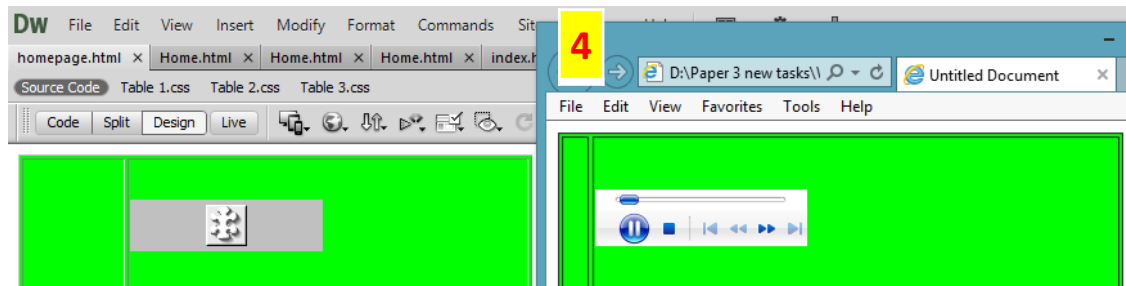
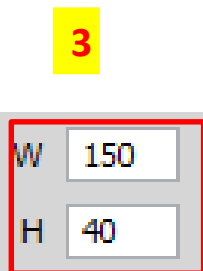
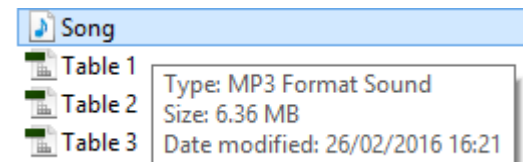


You can also select other media content like FLV or SWF



To Insert Media Content you have to click on:

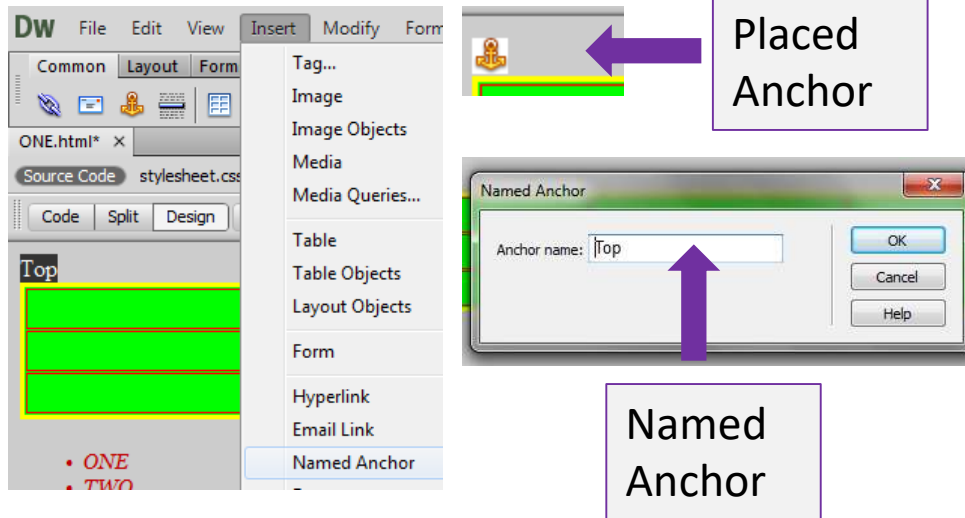
1. Insert >> Media >> Plugin
2. Browse for the file
3. Resize the Plugin
4. Preview in the browser



# ICT IGCSE Practical – Revision Presentation

## Web Authoring

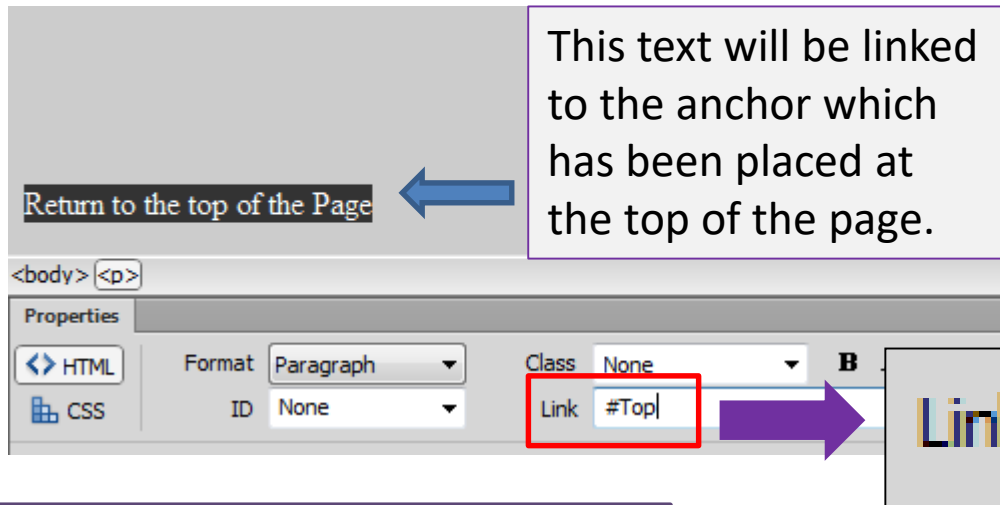
### Anchors



An anchor will let you link to a specific part of a page.

For Example you can create an **Named anchor** at the **top** of the page.

You then create a **link to return to the top** of the page by referring to the Named anchor. **#Top**

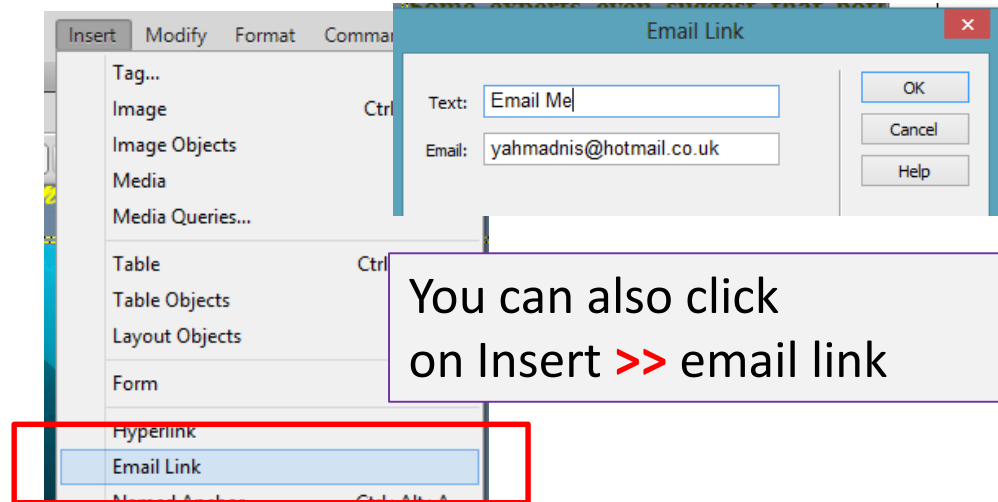
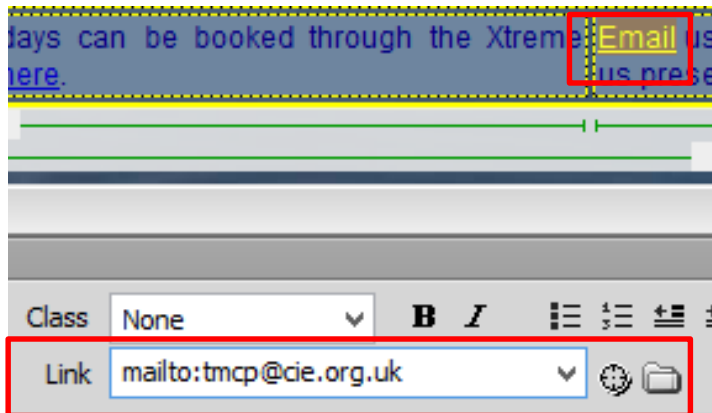


# ICT IGCSE Practical – Revision Presentation

## Web Authoring

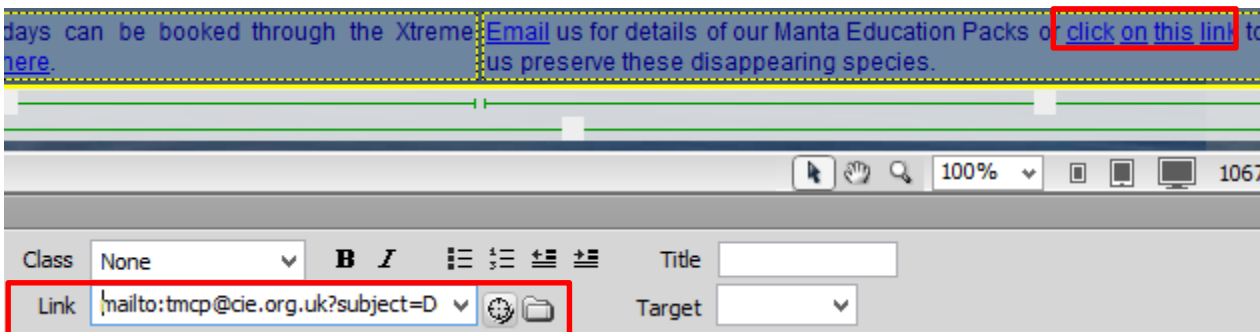
### Email Link

**mailto:**tmcp@cie.org.uk



### Email Link with a subject Line

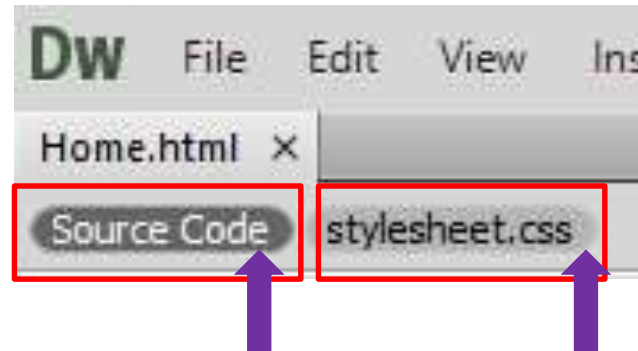
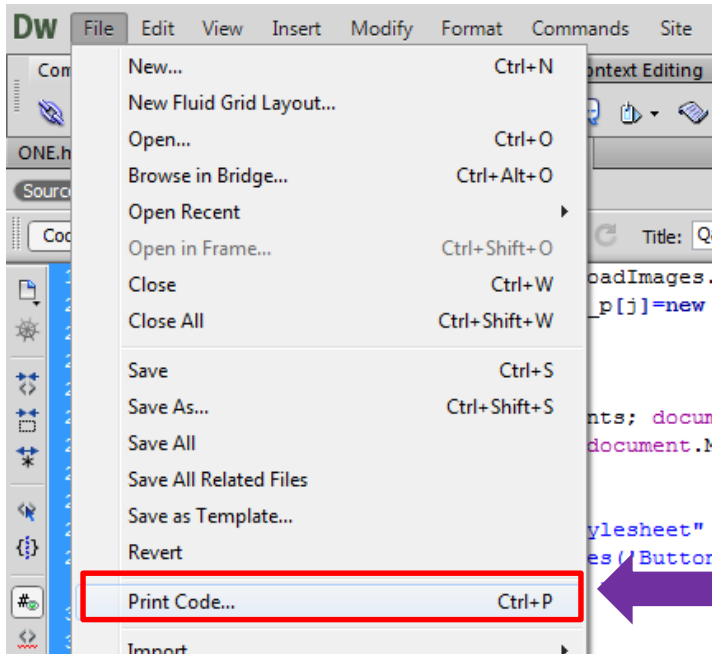
**mailto:**tmcp@cie.org.uk?**subject**=Donation by Yasar Ahmad 5678



# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Printing & Highlighting Code



Select for  
**HTML** Code

Select for **CSS**  
Code

Select to print code.

```
135 }
136 li {
137     font-family: Arial, Helvetica, sans-serif;
138     font-size: 14px;
139     font-style: italic;
140     font-weight: bold;
141     color: #F00;
142     text-align: left;
143 }
144
145 /* Yasar Ahmad */
```

**Tip:** If you are asked to print the CSS make sure you write your name as comment.

You need to **start** the comment with **/\***  
You need to **end** the comment with **\*/**

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Printing & Highlighting Code



**Tip:** Use the split view to help you highlight code at the end of the exam.

1. Highlight the part of the content (link) which needs to be highlighted.
2. On the printout refer to the row number and highlight the code

11 `<td><p><a href="https://uk.yahoo.com/" target="_blank">Yahoo</a></p>`

After the examination time, highlight those portions of the markup which show that:

- the external stylesheet is attached to the webpage
- the image *J1431ray.jpg* is 300 pixels wide and 300 pixels high
- the text *Manta image* is displayed if the image *J1431ray.jpg* is not available
- the hyperlink from the text *clicking here* opens <http://www.xahc.co.uk> in a new window called *\_manta*
- the hyperlink from the text *Email* sends an email to [tmcp@cie.org.uk](mailto:tmcp@cie.org.uk)
- the hyperlink from the text *click on this link* sends an email to [tmcp@cie.org.uk](mailto:tmcp@cie.org.uk) with a subject line *Donation* by followed by your name and candidate number.

**Example Highlight Question**  
which is normally found at the end of the paper 3.

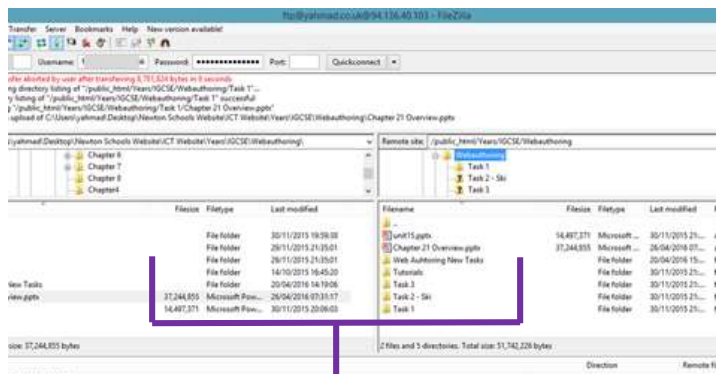
Your code could either be in the evidence document or printed from Dreamweaver.

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Publish a Website

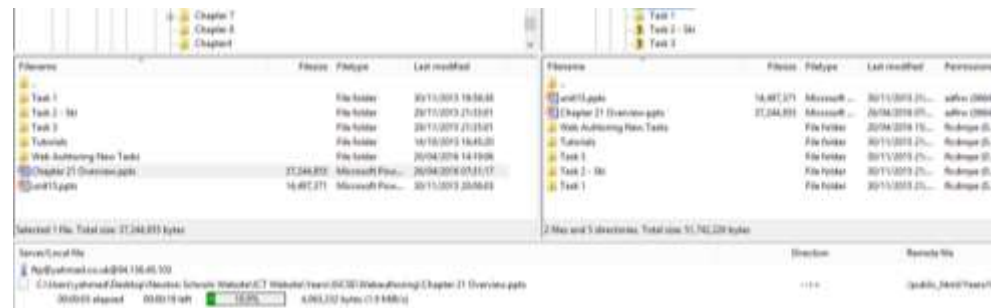
1. To upload a website you need to **purchase a domain name** ([www.yahmad.co.uk](http://www.yahmad.co.uk)) and hosting.
2. The **hosting provider will give you user login details** so that you are able to **upload your website into their hosting space**.
3. To be able to **upload the your website you need FTP (File Transfer Protocol) application**. Once you have **logged in you will see the files on your computer on one side and the hosted files on the other side**.
4. You need to ensure that files are kept in **appropriate web folders** and that **uploaded files mirror how you have your files saved on a computer**.



**Files/folders are organised in exactly the same way.**

### Computer Files

### Hosted Files



**Files can be uploaded by dragging them from your computer to the hosting space.**



# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Test a Website

#### Why Test your Web Page?

- To ensure all components of the webpage are working correctly before they are published online.

**Suitable Tests**  
**Choose Suitable Testing Criteria**

**Tip:** You may be asked to test 4 components of the website. Choose Test topics shown to the right.

#### Functional Testing

- Check if **hyperlinks** (including anchors, email links) are working.
- Do all **images appear** including alternative text if image is unavailable.
- Is the table structure correct.
- Stylesheet** (If it is attached and whether the correct styles have been used)
- Correct **image sizes** and alternative texts
- Correct use of borders (**Visible/Non Visible**).



#### Create a Test Table

Test	How	Expected	Actual	Action Taken
Checking Hyperlinks	Click on each link in the browser	All links to go to the correct page.	All links work as expected.	No action required.

# ICT IGCSE Practical – Revision Presentation

## Web Authoring

### Test a Website

#### User Testing?

- Feedback will be gathered from a variety of different users who will test the website and give their feedback.

### User Testing

- Tasks to complete using the site checking the usability:
  - Entering data into a form (e.g. creating a new email account)
  - Navigation around the webpage.
- Questions to Answer
  - What is the purpose of the website?
  - Is the content easy to understand?
  - What are the positive and negative features of the website?
  - Is it easy to use the website and navigate from page to page.
  - What could be improved?

User Name:	
What is the purpose of the website?	
Is the content easy to understand?	
What are the positive and negative features of the website?	Positives: • • Negatives: • •
Is it easy to use the website and navigate from page to page.	
What could be improved?	

A User form could be created so that users testing the website and write their feedback.