













**Quick View**

There are 3 parts to this lesson:

1	Introduction: Adding sound and marquees	  
2	Adding JavaScript	    
3	Plenary: Unit review	   
	Homework: Revision sheet based around aspects of this unit	

## Delivery

### 1. Introduction: Adding sound and marquees

*Relevant tutorials for demonstrating the skills for this lesson can be found in the preparation section.*

It may be appropriate to provide a database to allow pupils to centrally save websites of interest or in another digitally shareable method.

This part of the activity is about sound and its use on a web page.

Develop this by discussing:

- Sound can be added to a web page either as:
  - Background sound
  - A sound file, linked to a graphic or hyperlink
- Why use sound on a web page?
- The types of sound found on a web site
- The disadvantages or problems
- Which sounds would be appropriate for their web site

Demonstrate how to add a background sound or sound file.

Pupils can then add sound to their site if they wish.

Show pupils the language cards **language6** for this lesson.

## 2. Adding JavaScript

JavaScript is a programming language understood by web browsers. Using a different set of commands a variety of effects can be achieved by adding the code into the HTML of the web page.

Although writing in JavaScript is not as difficult as it sounds, this unit concentrates on pupils using ready prepared scripts that are freely and easily available on the Internet.

These scripts are copied and pasted in to the HTML Head and Body of the web page. Most free JavaScript sites give instructions as to how they should be used.

Suggest to pupils that they use ONE JavaScript per web page otherwise they will conflict with each other. Pupils who wish to add more than one JavaScript to a page must be shown how to do this. The following is one of many Internet pages showing how this can be achieved.

<http://www.javascriptkit.com/javatutors/multiplejava2.shtml>

Demonstrate how to copy and paste JavaScript into an existing web page.

The following **example7a** JavaScript code creates the current date.

**Example7b** is the result displayed in a web browser.

Pupils can visit Internet sites for 'Shareware or free JavaScript code'. The following are some suggestions:

<http://javascript.internet.com/>

<http://www.scriptsearch.com/JavaScript/Scripts/>

<http://hotwired.lycos.com/webmonkey/programming/javascript/>

<http://www.javascriptworld.com/scripts/index.html>

<http://www.javascriptkit.com/cutpastejava.shtml>

**3. Plenary:** Unit review

Use this time to show a variety of finished web sites.

Develop this by discussing:

- What they have learnt
- The skills required to produce a web page
- Writing in HTML
- Web page elements
- Types of commercial web sites

Some pupils may wish to develop their web writing skills further.

Show them <http://www.tucows.com> this is a site offering a range of 'freeware' and 'shareware' programs.

**Homework:**

As this is the final lesson, ask pupils to produce a revision sheet for this unit of work. Use **homework7** to provide help.

You may also wish to prepare pupils for any assessment or the 'end of unit test'.

You may feel it appropriate to provide the homework sheet in electronic format for those pupils with computer access at home. Consideration should then be given to:

- How they would return the work and the style - electronic or printed
- Virus protection
- Authenticity of the work

## Objectives

### Finding Information, Developing Ideas & Communicating

#### Pupils should be able to:

- Use information from primary or secondary sources and know when to choose the different types.
- Select information from a range of sources and assess the potential value of the information for a task.
- Save files in appropriate formats and create a hierarchical folder structure.
- Automate simple processes by harnessing software tools; recognise where automation tools, such as filtering, can be used to improve safety when using the internet.
- Draft, refine and structure their work using a combination of ICT tools to convey meaning more effectively.
- Modify and develop text, images, tables and sounds from several sources within the structure of a piece of work.
- Extract, combine and modify relevant information for a specific purpose, and structure and sequence this to meet audience needs.
- Use a range of ICT tools efficiently to refine the presentation of information for a specific purpose.

#### Pupils should be taught to:

- Work to a plan (schematic layout).
- Use web authoring software.
- Use software tools appropriate for web page creation.
- Understand how to copy and paste Javascript.

## Preparation

### Have you:

- Identified the key elements of this lesson
- Understood the school ICT policy in the areas that may affect this lesson
- Thought about the seating arrangements for any large group demonstration
- Checked that the whiteboard or large screen has been set up
- Prepared any extra work to be used for differentiation
- Prepared any work that teaching assistants may require
- Practised the skills required that need demonstrating
- Prepared any key word displays

### Required IT skills for this lesson:

Using a large screen / whiteboard

Appropriate skills for copy and pasting JavaScript into existing HTML

## Differentiation & Extension

Consider the following for some pupils:

- Opportunities to create and edit sound files.
- Examples of JavaScript.
- Web sites where further Java Scripts can be downloaded.
- Guidelines for using more than one JavaScript per page.

The following resources are available to pupils. Printable versions can be accessed in 'all resources' within each lesson and may be used for reinforcement, extension or support.

- 2 Wordsets with audio support
- 2 Wordsearch activities
- 2 Interactive crosswords

## Homework & Language

### Homework:

As this is the final lesson, ask pupils to produce a revision sheet for this unit of work. Use **homework7** to provide help.

You may also wish to prepare pupils for any assessment or the 'end of unit test'.

You may feel it appropriate to provide the homework sheet in electronic format for those pupils with computer access at home. Consideration should then be given to:

- How they would return the work and the style - electronic or printed
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### Language for learning:

style sheet

template

JavaScript

audio

## Resources

For this lesson:

### You will need

- Large screen display or whiteboard
- Access for pupils to **Unit 8.2 > Activity 7**
- Suitable web authoring software, e.g. Microsoft FrontPage Express
- Headphones / speakers
- Internet access

### Teacher Resources:

These are accessed by opening the **Teacher Resources File** on the CD (or network).

Resource Description	Filename	Format
Language Cards	language7	Word PDF
Example JavaScript code	example7a	Notepad
Example web page displaying JavaScript	example7b	HTML
Activity sheet	task7	Word PDF
Summary sheet	summary7	Word PDF
Homework sheet	homework7	Word PDF



**Pupil Resources:**

These are accessed by opening the **Pupil Resources File** on the CD (or network).

<b>Pupil Resources</b>	<b>Filename</b>	<b>Format</b>
Activity sheet	<b>task6</b>	<b>Word PDF</b>
Summary sheet	<b>summary6</b>	<b>Word PDF</b>
Homework sheet	<b>homework6</b>	<b>Word PDF</b>