

ICT: Unit 6a Multimedia presentation

ABOUT THIS UNIT

In this unit children learn to create a multimedia presentation about a safety issue related to railway crime using text, images, and sounds. They will be taught to create links between pages and show sensitivity to the needs of their audience.

Children will apply what they have learnt in this unit when communicating and presenting information in music, art, history, geography, science, design and technology.

WHERE THIS UNIT FITS IN

This unit assumes that children:

- are familiar with tree diagrams.
- may have created individual multimedia pages in earlier units.

TECHNICAL VOCABULARY

- interactive
- hot spot/hyperlink
- attach
- hypertext

Learning objectives	Possible teaching activities	Learning outcomes	Resources
Setting the scene			
Key idea: that computer software can include a range of media and gives the user a range of options.	<p>Discuss with the class the difference between a CD ROM, books and videos. Demonstrate that a CD ROM includes a range of media and offers the user different options.</p> <p>Discuss how these options address the needs of different audiences.</p>	Understand the potential of multimedia.	<p>Multimedia is available in the video, sound, art bank and image banks.</p> <p>Use the one you think is appropriate for your pupils.</p>

Learning objectives	Possible teaching activities	Learning outcomes	Resources
Short Focussed Tasks			
<p>Technique: to design multimedia pages.</p>	<p>Show the class a variety of multimedia page designs. Discuss how emphasis and location help the user understand the page, e.g. how buttons are placed consistently, how bright colours and sizes are used to indicate importance, how pictures and text complement each other.</p> <p>Ask the children to evaluate a CD ROM or Internet home page and list the features which they think work or do not work.</p>	<p>Recognise the features of good page design.</p>	<p>Use the link button to locate the appropriate website.</p>
<p>Technique: to sample sounds.</p>	<p>Demonstrate how to record sounds using a microphone and how to create a button which plays the sounds.</p> <p>Divide the class into groups and ask them to create a page which includes a menu of sounds.</p>	<p>Create a page of sounds which are activated by appropriately named and positioned buttons.</p>	<p>Use the sound files that are available in the sound bank.</p>

Learning objectives	Possible teaching activities	Learning outcomes	Resources
Short Focussed Tasks			
<p>Technique: to produce a diagram that shows the links between pages.</p> <p>Technique: to create buttons to link pages.</p>	<p>Demonstrate how buttons can create links between pages.</p> <p>Prepare a set of A4 sheets showing sample multimedia pages without links. The set should include a menu page and pages which lead to a number of following pages.</p> <p>Ask the children to work in groups to identify the links between the pages, draw on any necessary buttons and write next to the buttons the page to which they link.</p> <p>Ask each group to produce a flow chart showing the links between the pages. The arrows on the flow chart should be labelled with the choice that would appear on screen.</p>	<p>Organise sample screens and identify appropriate choices and links.</p>	<p>A sample of files can be printed out from the Teaching Zone and its contents. They can be laminated to be used again.</p> <p>Children can draft link buttons and links should be by marking with a semi permanent marker.</p>

Learning objectives	Possible teaching activities	Learning outcomes	Resources
Integrated task	ICT capability *assessment point		
<p>To use a multimedia authoring program to organise, refine and present information in different forms for a specific audience.</p>	<p>Explain to the class that they will use what they have learnt to create a multimedia presentation, which includes images, sounds and text. Ask the class to recall what they have learnt so far.</p> <p>Divide the class into small groups and ask each group to choose a safety aspect related to railway crime.</p> <p>For their presentation and to describe their audience. Ask each group to draw a diagram of their presentation, showing how the pages link. Children should then design their pages on screen and print out their results.</p>	<p>Design pages and links which present the user with clear information.</p>	<p>An image bank of trains, people tracks is available.</p> <p>Sound files are available in the sound bank.</p> <p>Clip art files are available in the art bank.</p>

EXPECTATIONS

at the end of this unit most children will:

use a multimedia authoring program to organise, refine and present a set of linked multimedia pages, which incorporate images, sounds and text

some children will not have made so much progress and will:

use a multimedia authoring package to assemble images, sound and text on a multimedia page

some children will have progressed further and will:

use a multimedia package to organise, refine and present a set of linked multimedia pages, which incorporate images, sounds and text; create pages which offer users a variety of options; present information that matches the needs of the audience