

Subject: Award in Digital Applications (Option)

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Year 10 - Academic Year 2010-2011

Contents: what you will study

In this unit you will investigate a range of graphic products to find out how images are used to convey a particular message. You will discover that you like some of these products more than others and you will need to consider why this is the case.

You will learn how to use ICT to produce images that communicate effectively on screen and in print and how to combine them with other components to produce graphic products.

You will need to consider the medium, purpose and audience as well as file size and format.

National Curriculum levels at which you will work

You will working at GCSE grades A* to G.

Skills which you will develop this year:

You will learn how to use the graphics package Fireworks to create vector images and to edit bitmap images such as photos. You will also further develop your web design skills to create an E-portfolio to showcase your work.

Assessment: how you will be tested this year

You will be assessed through the activities you complete in the lessons and on your major coursework project.

Key words which you will need to learn for this year's work

Bitmap image	An image that is processed as a set of dots or pixels. Each dot is stored separately on the computer.
gif	A Graphics Format Interchange file is a compressed graphics file, often used for images on the Internet
Graphical elements	Graphic elements are the different components that make up a graphic product. The elements will be combined in different ways to make up different products.
jpeg	Stands for Joint Photographic Experts Group. It is a compressed graphical file format used to display photos.
Primary sources	Sources where information is gathered first hand
Rollover	An image whose appearance will change when the cursor moves over it.
Secondary sources	Sources of information that have already been collected by someone else.
Thumbnail	A small image used to represent a larger one or another section of a website. Clicking on thumbnails usually results in a larger version of the image popping up.
tiff	A type of image file format. Scanned images are commonly saved as this file type.
Vector image	An image that is defined by a mathematical formula and not by the number of individual pixels