

## Digital Technologies

### Level 1 Digital Media (1DTM)

#### Description:

The aim of this course is to provide students with an opportunity to carry out technological practice in the area of ICT. There will be two major projects that require the formulation of a brief to meet a selected need or opportunity, and the development of a technological solution or model to meet the requirements of this brief.

#### Content:

Students have the opportunity to express their creativity when designing and making computer based solutions to issues. At the same time they will learn the theory that relates to web site creation. Having to communicate their ideas with clarity and precision will mean that students will use and enhance their literacy skills as well as their time management skills.

#### The content covered is:

- Multimedia elements in presentations such as animation, video, sound
- Visual Basic programming in PowerPoint to create interactivity
- Website design using the Macromedia MX 2004 website design suite of software
- The technology process – working with a client, using project management tools, researching key factors, writing a design brief, researching latest design techniques, designing and creating a technological outcome, evaluating an outcome

#### Assessment:

All written work will be presented in portfolio format detailing the technological process. All practical work will be saved to CD. All portfolios and practical work will be retained until 2010 for assessment and external marking. The external standard is assessed from a portfolio of work and one solution produced during the year.

Reg No.	Achievement / Unit Standard Title	Level	Credits	Method	Domain
AS 90046	Formulate a brief to address a given issue (1.2)	1	6	I	T
AS 90047	Develop a technological solution to address a given brief (1.1)	1	6	I	T
AS 90049	Demonstrate understanding of technological knowledge (1.5)	1	4	E	T
AS 90050	Present a technological solution that addresses the requirements of a brief (1.6)	1	4	I	T
US 18739	Create and use simple command sequences in a computer language	1	2	I	C
US 25655	Create a website using a dedicated web-authoring tool to meet a set brief	2	3	I	C
<b>TOTAL</b>			<b>25</b>		

*(Key: Method = internally or externally assessed;*

*T = Technology – General Education, C = Generic Computing)*

#### Qualification:

NCEA Technology ICT (Level 1) – up to 16 internal credits and 4 external credits. NZQA Generic Computing Unit Standards Level 1– 2 credits & Level 2– 3 credits

**Entry Requirements:** An interest in website design and multimedia.

**Equipment needed:** Clear file, scrapbook or 1B5