Course Outline

NCEA Level 2

Digital Technology
Digital Media

2009

Course Outline

Level 2: Digital Technology – Digital Media

Course Outline and Assessment Information

This course aims to provide students with the opportunity to develop skills and knowledge in the following areas:

Software:
- Learn how to use the range of tools and enhancements within the Adobe Dreamweaver CS4 and Fireworks software such as CSS, Behaviours, Favourites, Layers, Tweening etc.
- Use Macromedia Flash as an interface to create an interactive animation
- Use audio/music manipulation software to create sound effects and music files

Researching:
- Research Interactive Smartboard use and techniques
- Research and apply the technology process and the components of practice

Generating and Developing Ideas:
- Work closely with a client and stakeholder/s to design and create an interactive animation for educational purposes.
- Work closely with other technologists and experts in the field of web design and animation

This **Level 2 Digital Technology** course contributes **twenty-three (23) credits** toward the **Level 2** National Certificate in Educational Achievement (NCEA). **Six (3)** of these credits are from NZQA Generic **Computing** Unit Standards level 2.

The course is divided into two major units of work.
Theme One: Business Website (Icon Sports)
Them Two: "Digital technologies in the teaching and learning environment"

Unit One: Business Website
- Managing files on the network with a particular focus on file size, file extensions and the protocols in line with web design principles and practices
- CSS styles, behaviours and interactivity in Adobe Dreamweaver CS4
- Demonstrate an understanding of designing and creating a website for business use

Unit Two: Digital Technologies in the Teaching and Learning Environment
- Research animation styles and techniques and apply the research to produce and outcome (with a particular focus on interactive Smartboard technologies)
- Create, edit and manipulate graphics in a 2D interface
- Apply basic action scripting to a flash animation to create interactivity for the user
- Apply multimedia elements to an interactive flash animation
- The technological design process including stakeholder consultation, creating a plan of action, researching key factors, writing a brief, designing the best solution and evaluation the solution
- Work closely with a client and stakeholder/s to design, create and produce an outcome (an educational teaching resource for use on an Interactive Smartboard)
- Work closely with other technologists and experts in the field of web design and animation

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Assessment Information

The course is comprised of nine (9) internal standards and one (1) external standard. The *credits contribute toward the NCEA and the assessment metHOFs are as follows:*

AS/US Registration No.	Standard Title & Code	Level	Credits	Assessment HOF	Domain
90368 v2	*Demonstrate skills in information and communication technology (2.7)*	2	4	Internal: portfolio	Technology: General Education
90342 v2	*Develop and model a conceptual design in information and communication technology (2.1)*	2	6	Internal: portfolio	Technology: General Education
18735 v3	*Create a simple website to meet the specifications of a given brief*	2	3	Internal: project	Generic Computing
90349 v2	*Develop and implement a one-off solution in information and communication technology (2.2)*	2	6	Internal: portfolio	Technology: General Education
90367 v2	*Examine technological knowledge in information and communication technology practice (2.6)* *Students will work closely with experts and technologists in the field of multimedia and animation*	2	4	External; whole year's work plus case studies	Technology: General Education
Total Credits Available (Level 2)			**23**		

The **Internal Standards** will be assessed as follows:
90342 (2.1)   In-class assignment over the first half year
90368 (2.7)   In-class assignment over the first half year
90349 (2.2)   In-class assignment over the second half year
90367 (2.6)   Report based on year's portfolio work plus portfolio and case study material

Unit Standards 5961 and 18735:   In class assignment over the first half year

Grades - The following grades can be attained by **Achievement Standards** assessment:
Not achieved   N   Did not meet the standard (or did not attempt it)
Achieved   A   The standard was met
Achieved with Merit   M   The standard was met demonstrating very good work
Achieved with Excellence E   The standard was met demonstrating excellent work

In **Unit Standards** you receive only N or A.

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PRIZE / SCHOLAR INFORMATION

Scholars
The assessments listed below and over will be used for the First and Second Half Year Scholar calculations. In order to calculate our scholars internally unit standards used may be given a weighting to calculate grade averages. This is like saying that for some unit standards the level of difficulty equates to an achieved, merit or excellence (compared to achievement standards). Note this is only for our school scholar data – it is **NOT FOR NZQA.**

A maximum of one result per standard (internal & external) derived from actual internal results and external results from topic tests (for first half year) and from the school examinations or a final test if the topic occurs after the school examinations (for second half year) will be used for the Scholars.

No more than 10 Scholars will be awarded at any given time. Although grade averages are used as the basis of awarding scholars, where a tie exists it is at the discretion of the Deans in discussion with Mrs Bond to apply other discriminatory criteria in the following order (each criterion that is used will be applied across each of a student's subjects):

- First attempt at standard verses resit
- Additional results per standard
- Results for additional standards (other than listed below and over)
- Work ethic / attitude / application
- Individual pieces of work across subjects could to be reviewed for distinguishing evidence of higher academic application
- If no distinction can be made less than 10 Scholar awards will be presented

It is at the school's discretion to award scholars and no debate will be entered into.

First Half Year Scholar Standards

AS/US Registration No.	Standard Title & Code	Topic	Credits	US Comparison Weighting for School data only	Assessment Type
18735 v3	*Create a simple website to meet the specifications of a given brief*	Use Adobe Dreamweaver CS4 and Fireworks to create a business website	**3**	E	Software Development Computing
			3	E	Generic Computing
90368 (2.7) v2	*Demonstrate skills in information and communication technology*		4	Internal: portfolio	Technology: General Education

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Second Half Year Scholar and First in Subject Prize Standards

AS/US Registration No.	Standard Title & Code	Topic	Credits	US Comparison Weighting for School data only	Assessment Type
18735 v3	Create a simple website to meet the specifications of a given brief	Use Adobe Dreamweaver CS4 and Fireworks to design and create a business website for Icon Sports	**3**	E	Generic Computing
90368 (2.7) v2	Demonstrate skills in information and communication technology		4	Internal: portfolio	Technology: General Education
90342 (2.1) v2	Develop and model a conceptual design in information and communication technology		6	Internal: portfolio	Technology: General Education
90349 (2.2) v2	Develop and implement a one-off solution in information and communication technology	Work closely with a client and stakeholder/s to, design, create and produce an outcome (educational teaching resource)	6	Internal: portfolio	Technology: General Education

First in Subject Prizes
A maximum of one result per standard (internal & external) derived from actual internal results and external results from the school examinations or a final test if the topic occurs after the school examinations, will be used for the First in Subject calculation.

For First in Subject, grade averages across the subject are calculated for the above standards. If a tie exists it is at the discretion of the HOF in discussion with Mrs Bond to apply other discriminatory criteria in the following order:
- First attempt at standard versus resit
- Additional results per standard
- Results for additional standards (other than listed above)
- Work ethic / attitude / application
- Individual pieces of work to be reviewed for distinguishing evidence of higher academic application
- One First in Subject should be awarded – if shared an absolute maximum of two
- If no distinction can be made no award will be given

It is at the school's discretion to award First in Subject prize and no debate will be entered into.

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Assessment Policies and Procedures – Student copy

The CIM Department will operate the following school policies and procedures in 2007:

Course Outline
Each student will be issued with a Course Outline at the start of the year detailing:
- a general course overview
- the standards in the course, their credit value and assessment metHOF
- an assessment statement detailing the types of assessment
- the school assessment policies and procedures
- a personal record sheet to record marks on
- a topic and assessment year planner

Evidence of Achievement
Where practicable and manageable, further opportunities to provide evidence of achievement in a standard will be offered. Methods of providing further evidence may include:

a future formal assessment event	making corrections	resubmitting work
feedback prior to the final version	portfolio submission	parallel tasks
accumulated evidence	observations	conferencing

When further formal assessment event opportunities exist, all students who **did not** achieve the standard the first time will be required to re-attempt it after evidence of further learning has occurred. For students who **did** achieve the first time it is up to the student (and their family) as to whether to aim for merit or excellence the second time, (they are **not required** to have a second attempt).

There will be **NO further assessment opportunities** for the Achievement Standard assessments in this subject.

There will be **ONE further assessment opportunity** for the Unit Standards 5947 and 5963.
Further evidence opportunities in this course will be available as follows:
18735   Evidence from a parallel task/observations and resubmission of work

Authenticity
Assessment work completed must be the student's own work. Students and caregivers will be expected to sign authenticity declarations for work not done under the teacher's direct supervision and, where appropriate submit working drafts. Where evidence indicates work presented is not a students' own work no grade will be awarded.

Appeals
An appeal of a grade may be made but must occur within 2 school days of the return of assessed work. Where a grade is appealed, the appeal pathway is firstly the class teacher, then the HOF and lastly the Qualifications Manager is still unresolved.

Late Work
DUE DATE means just that! Late work will not be accepted for marking unless exceptional circumstances exist and an extension has been granted by the HOF **before** the due date.

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Alternative Assessment Opportunity
Students who are absent from an Internal Assessment due to:
Illness - A medical certificate will be required to apply for an extension or alternative assessment date.
School Representation / School Event - It is the student's responsibility to inform the dean and class teacher in advance of the absence. It is generally expected that work be handed in before the event. If this is impractical an application for an extension or an alternative assessment date must be sought through the HOF.
Other Reasons – all other applications for an extension or alternative assessment opportunity will go through the HOF and be passed onto the Qualifications Manager when deemed appropriate to do so by the HOF.

Verifying Grades
Students are required to verify the sighting and acceptance of the grade awarded by signing the result slip / assessment sheet attached to each piece of internally assessed work. Students will also be required to verify the final grades they are awarded before they are submitted to NZQA.

Compassionate Considerations
To apply for compassionate consideration for **external achievement standards** NZQA's guidelines must be followed. See the Student Qualifications Handbook for details.

Special Assessment Conditions
To apply for special assessment conditions assistance, students require medical verification of their condition. NZQA's guidelines must be followed. See the Student Qualifications Handbook for details.

Retention of Student work
All student internal assessment material will be retained by the department until it is no longer required for moderation purposes.

Student Obligations
1   Ensure you understand the assessment programme and policy
2   Ensure you understand the requirements of each assessment being completed
3   Discuss problems/concerns with the Teacher/HOF
4   Check thoroughly the accuracy of the assessment grade when work is returned

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Level 2 Digital Technology – Digital Media Student Record Sheet

NAME: ……………………………………….. CLASS ………………….

Internal Standards:

Achievement & Unit Standard	Credits	Assessment (final results)	
Level 2		**First Assessment Event**	**Second Formal Assessment Event**
18735 v3 Create a simple website to meet the specifications of a given brief	3		
90368 v2 (2.7) Demonstrate skills in information and communication technology	4		
90342 v2 (2.1) Develop and model a conceptual design in information and communication technology	6		
90349 v2 (2.2) Develop and implement a one-off solution in information and communication technology	6		

External Standards

Standard	Credits
90367 v2 Examine technological knowledge in information and communication technology practice (2.6)	4

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Computing & Information Management Department: 2008

LEVEL 2 TECHNOLOGY ICT – TOPIC AND ASSESSMENT PLANNER 2008

Revision – network, Revision Dreamweaver, Fireworks , technology process and terms

WEEK	1	2	3-4	5-6	7	8	9	10
TERM ONE				Taranaki Anniversary	Easter Friday	Easter Mon & Tues		
	Introduction File Management principles and protocols for animation. **Theory:** Technology terms:	**Revision on Adobe Dreamweaver CS4** • CSS, • Behaviours • favourites, • templates, • Images, • Spry menu Creating website about your company.	Set up a template and design a website about web design. Use the resources for help: • Good looking websites • Bad design features • PowerPoint – Web Design ***Use as evidence for:*** ***18735 v3*** Create a simple website to meet the specifications of a given brief	**Start Adobe Flash** Scenes, motion tweening, shapes, symbols, movies, buttons, exporting, basic action scripting. **ASSESSMENT:** ***18735 v3*** Create a simple website to meet the specifications of a given brief	***Start assessment*** ***90368 v2 (2.7)*** Demonstrate skills in information and communication technology ***90342 v2 (2.1)***Develop and model a conceptual design in information and communication technology **Icon Sports Website** • Keep a visual diary on e-portfolio to keep record of technology process. ***Holiday Homework.*** ***Continue working on assessment*** ***Book student laptop out.***			

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Web design - Assessments:

WEEK	Weeks 1-5	Weeks 6-8 **macromedia flash mx04**		Weeks 9-10	Holiday Homework: researching Smartboard ideas plus finishing Flash tutorials if not finished
TERM TWO	▲ **Finishing assessment**		June: Queen's Birthday		
	90368 v2 (2.7) Demonstrate skills in information and communication technology *90342 v2 (2.1)* Develop and model a conceptual design in information and communication technology	Revisit Macromedia Flash Making a quiz		**Start Assessment Two:** **Achievement Standards:** *90349 v2 (2.2)* Develop and implement a one-off solution in information and communication technology AND 90367 v2 **External** Examine technological knowledge in information and communication technology practice (2.6) **plus case studies and evidence for AS 90367 v2**Start Smart Board Resource assessment Could create a simple teaching website which includes a macromedia quiz.	**Book Student laptops**.
	Assessment Due **Week 4**	*Resits for u/s 18735*			

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Flash animation - achievement Standards: *90349 v2 (2.2),* 90367 v2 External

WEEK	1 21/7-	2 28/7-	3 4/8-	4 11/8-	5 18/8-	6 25/8-	7 1/9-	8 8/9-	9 15/9-	10 22/9-
TERM THREE	**Assessment two and three:** **Achievement Standards:** *90349 v2 (2.2)* Develop and implement a one-off solution in information and communication technology AND **90367 v2 External** Examine technological knowledge in information and communication technology practice (2.6) **plus case studies and evidence for AS 90367 v2** **Technologists and case studies.**						Assessment **Free Week**	**School EXAMS External Practice**	**Assessment Free Week**	(Data Only Report Issued & Interviews) Internal Assessment Concludes for most: **Students hand in all Assessment material to support Achievement Standard *90349 (2.2)***

Additional row in Term Three (weeks 7-9): **Students working on Assessment standards *90349 v2 (2.2),* 90367 v2 (2.6)**

Assessment: Achievement Standard 90367 (2.6) I

WEEK	1 13/10-	2 20/10-	3 27/10-	4 3/11-	5 10/11-	6 17/11-	7 24/11	8 1/12	9 8/12
TERM FOUR	Folios handed in for marking		Labour Day						
	Internal Assessment Concludes for fully Internal Courses	**Finishing case studies and folio material for AS 90367** Examine technological knowledge in information and communication technology practice (2.6)				*NCEA & Scholarship EXAMS BEGIN*	*NCEA & Scholarship EXAMS CONT.*	*NCEA & Scholarship EXAMS CONCLUDE*	