

OTUMOETAI COLLEGE
NCEA DIGITAL SCIENCE LEVEL 2 – (L2DISC) 2019

DIGITAL SCIENCE – L2DISC					(TIC: Mr Walker)
<i>Course Relationship to the National Vocational Pathways</i>					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Services Industries	Social & Community Services	Creative Industries
-	26	3	-	0	20
Course Entry		Entry is subject to gaining 12 credits in L1DISC and/or approval by the HOD.			
Course Overview		This course builds on concepts learned in Level 1 Digital Science. The course looks at more advanced concepts of algorithms and computer program design and development. It also looks at using Big Data to develop solutions that analyse real data in order to find patterns and make predictions that can, and do, impact on society. Finally we look at development of Local Area Networks.			
Assessment		This course will be assessed using Digital Technology Achievement standards. The assessment will require students to learn and develop new skills in order to apply them to solving problems. Assessment is a combination of internally and externally assessed standards.			
Cost Materials		Consumables including paper exceeding the initial student paper allowance			\$20.00

Course ‘Aims’
 To develop advanced digital science skills and knowledge, giving students a foundation for moving onto level 3 or other further education or employment.

Assessment Programme
 This course offers up to 25 achievement standard credits. Both theory and practical skills are assessed.

Number	Title	Credits	Internal External
91890	Conduct an inquiry to propose a digital technologies outcome	6	Int
91892	Use advanced techniques to develop a database	4	Int
91896	Use advanced programming techniques to develop a computer program	6	Int
91897	Use advanced processes to develop a digital technologies outcome	6	Int
91898	Demonstrate understanding of a computer science concept	3	Ext

Assessment Opportunity
 Students are expected to complete assessment activities on or before the date they are due. There will be one opportunity for resubmission of a piece of work. A 90% completion rate would be expected the first time around. A resubmission can occur when a student has made mistakes which he or she should be capable of discovering and correcting on their own. By definition, the problem should be capable of rapid resolution. If a resubmission is offered, it must take place before the teacher gives any feedback to the whole class (or any student) on the work done. If more teaching has occurred after the first assessment opportunity, resubmission is not possible, however a completely new assessment could be made available where practical. Students will not be allowed a further assessment opportunity where they have chosen, for unacceptable reasons, not to take the first opportunity. The final decision rests with the Head of Faculty.

Derived Grades

These are only available for external standards and will be based on evidence from practice examinations and / or draft reports already completed.

Work Deadlines and Lateness

Where a deadline has been set as a requirement for a piece of assessment the teacher will, in fairness to the other students, penalise the late student's work. The penalty will prevent a student from gaining a merit or excellence. A note with an acceptable excuse for lateness will be accepted providing that it is handed in at least 48 hours prior to the deadline.

Refer to the College wide policy relating to absences on assessment dates.

How to Appeal a Grade

Appeals against internally assessed grades awarded should be made following the procedure outlined in the school policy on appeals. Students wishing to appeal a grade must do so within 48 hours of receiving notification of their assessed grade.

Storage of Student Work

The Business and ICT department will retain all student assessment material until it is no longer required by NZQA for moderation purposes.

Authenticity

Except where specified for some group tasks, all work is to be your own work and all assessment tasks will require a signed statement of authenticity from students. All submitted work must be correctly referenced.

Marking and Moderation

Students' work will be marked by their subject teacher following NCEA assessment schedules. For marking consistency, some assessment tasks may be marked by the same teacher for all classes, or two or more teachers may be given a different section of the assessment to mark for all students. Moderation will take place at the beginning and end of each assessment as per Otumoetai College specification.

Resources and Texts

Generally, the Business/IT Department will supply all text resources, and practical equipment. If students wish to use additional texts or resources, this is permissible.

Student expectations

- Ensure that you understand the assessment policy.
- Attend class
- Take responsibility for your work and hand in on time
- Take part in home learning – use resources and links to expand your knowledge.
- Ask for help
- Follow class rules
- Ask questions