

OTUMOETAI COLLEGE
NCEA HORTICULTURE PRACTICAL LEVEL 2 – (L2HORT) 2018

HORTICULTURE PRACTICAL – L2HORT					
<i>Course Relationship to the National Vocational Pathways</i>					
Construction & Infrastructure	Manufacturing & Technology	Primary Industries	Services Industries	Social & Community Services	Creative Industries
4	36	0	0	0	0
Course Entry	Minimum entry requirement is Level 1 Achievement Standard in Science, or successful completion of L1HORT, or at the discretion of HOD Science.				
Course Overview	This course develops students' ability to grow plants and understand their structure and function. Following on from L1HORT this course develops the students' ability to propagate plants and control the media used for this purpose. The course provides a foundation for students to go on to study at Level 3 through a Polytechnic or Industry Provider in the fields of Amenity Horticulture or Production Horticulture.				
Assessment	This course will be assessed to a selection of Unit Standards, all internal, with students having the opportunity to gain up to 25 credits at Level 2.				
Cost Materials	Seeds, fertilizer and potting mix.				\$30.00

Description

Welcome to all students studying Horticulture at Level 2 in 2018. This course is seen as fulfilling student needs, because it:

- Acts as a follow-on for Year 11 students who were taking Horticulture at Level 1.
- Provides practical, hands-on activities linked to the growing and propagation of plants.
- Provides a lead into the Horticulture industry in our region.

Objectives

The objectives of this course are related to the elements and performance criteria of each Unit Standard that the course includes (refer to table summary). They are also related to some of the broader objectives of Science education in general:

- Observational skills
- Practical skills relating to growing plants and experimenting
- Understanding the interdependence of all living things
- Recognising similarities and differences between different plant groups

YEAR 12 PRACTICAL HORTICULTURE 2018 – UNIT STANDARDS

Unit Standards	Description	Credit	Level	Assessment
US 27707 V1	Demonstrate knowledge of plant propagation by budding, grafting, layering and tissue culture	5	2	Internal
US 23781 V1	Grow & pot up plants from stem cuttings	5	2	Internal
US 21028 V4	Plant and care for trees, shrubs, and climbing plants	10	2	Internal
US 22177 V1	Demonstrate knowledge of the structure and function of plants.* (completed as an assignment)	5	2	Internal
US 27708 V1	Demonstrate knowledge of sexual and asexual propagation by plants.	5	2	Internal

Record Keeping Requirements

Each student will require a 2B8 book in which daily records of the details of work completed in the gardens, or in class, will be recorded. These records will enable assessments to be made to confirm that each student has fulfilled the criteria in each standard. **Well organised record keeping will be essential for success**, even though the emphasis of the course is on practical work. Incomplete records or a lost book could mean that students will not gain credits for that standard. **Students are expected to bring their own pens, pencils, rulers, etc. to each and every class.**

Safety Requirements

Working in the gardens requires suitable footwear – standard school shoes / sandals will be suitable. Working with the various tools used in the course requires **a mature and responsible attitude towards aspects of safety** – instructions and guidelines given by staff must be followed at all times.

Tool Care & Maintenance

The use of tools will be explained clearly before students will use them. Tools must be used for the purpose for which they were intended, and then when finished with, they must be cleaned and stored in the appropriate place in the shed. **They must be used in a safe, careful manner to ensure the safety of all those working in the garden area.**

Where to Work in the Garden

Students will be assigned an area which they will develop as their own garden, and that area will be the main area in which they work. This garden area will be graded on several aspects and must be maintained to the highest possible standard. From time to time students will be required to work in areas like the propagation area, greenhouse, tool-shed, etc. and each area must be respected and looked after.

Time Frame

The **term planner** shows the timing of each of the standards and it should be noted that most of the standards require **almost an entire term to complete (because plants take time to grow)**. This means that all students will need to display perseverance and patience (as well as diligence), as they carry out their work and endeavour to complete each performance criterion.

YEAR PLANNER 2018 (Guideline)

SUBJECT: LEVEL 2 HORTICULTURE YEAR PLANNER

PLF

TERM 1	Week 1 30 - 2 Feb	Week 2 5 - 9 Feb	Week 3 12 - 16 Feb	Week 4 19 - 23 Feb	Week 5 26 Feb - 2 Mar	Week 6 5 - 9 Mar	Week 7 12 - 16 Mar	Week 8 19 - 23 Mar	Week 9 26 -30 Mar	Week 10 2 – 6 Apr	Week 11 9 – 13 Apr
Context	TOD (JAN 30) US27708 Demo knowledge of plant prop – sex & asex.	Waihangī (6 th) US27708 Demo knowledge of plant prop – sex & asX	US27708 Demo knowledge of plant prop – sex & asex.	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue
Assessment		Grow & pot up plants from stem cuttings	Grow & pot up plants from stem cuttings	US27708 Demo knowledge of plant prop – sex & asex.	US27708 Demo knowledge of plant prop – sex & asex.	US27708 Demo knowledge of plant prop – sex & asex.	US27708 Demo knowledge of plant prop – sex & asex.	US27708 Demo knowledge of plant prop – sex & asex.	SUMMER TOURNAMENT WEEK	Grow & pot up plants from stem cuttings	US27708 Demo knowledge of plant prop – sex & asex.

TERM 2	Week 1 30 Apr – 4 May	Week 2 7-11 May	Week 3 14 - 18 May	Week 4 21 -25 May	Week 5 28 May - 1 Jun	Week 6 4 - 8 June	Week 7 11 - 15 June	Week 8 18 -22 June	Week 9 25 -29 June	Week 10 2 -6 July
Context	Review & grading Grow & pot up plants from stem cuttings	US27707 Demo knowledge of plant prop. Budd, graft, layer & tissue				Queens Birthday (6)	REVIEW & REVISE	Grow & pot up plants from stem cuttings	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers
Assessment	Review & Grading	US27708 Demo knowledge of plant prop – sex & asex.	US27708 Demo knowledge of plant prop – sex & asex.	US 21028 Trees, Shrubs & climbers	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants	NCEA PRACTICE EXAMS	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants

TERM 3	Week 1 23 -27 July	Week 2 30 Jul – 3 Aug	Week 3 6 - 10 Aug	Week 4 13 - 17 Aug	Week 5 20 - 24 Aug	Week 6 27Aug – 31Aug	Week 7 3 - 7 Sept	Week 8 10 -14 Sept	Week 9 17 -21 Sept	Week 10 24 -28 Sept
Context	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function plants	US 22177v1 Knowledge of structure & function	REVIEW & REVISE		Grow & pot up plants from stem cuttings
Assessment	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers	WINTER TOURNAMENT WEEK	Grow & pot up plants from stem cuttings	NCEA PRACTICE EXAMS	

TERM 4	Week 1 15 - 19 Oct	Week 2 22 - 26 Oct	Week 3 29 Oct – 2 Nov	Week 4 5 - 9 Nov	Week 5 12 - 16 Nov	Week 6 19 – 23 Nov	Week 7 26 Nov -30 Nov	Week 8 3 - 7 Dec	Week 9 10 - 14 Dec
Context	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers	US 21028 Trees, Shrubs & climbers						TODS Monday & Tuesday
Assessment									