

# PLANTING ROOTS

- seeds & preparation
- grow & care for plants

WORKBOOKLET SERIES TWO



NAME: .....



# PLANTING ROOTS CONTENTS



TASKS 1-5

TASKS 6-10



These workbooklet Series Two skills lead into the NCEA Level 1 Supported Learning assessment material **PLANTING ROOTS** as prior learning or can be used as stand-alone tasks.



## INSTRUCTIONS FOR THE TEACHER

The following activities are prior learning suggestions only and are not outlines for programmes of learning. We have included these as guides for the type of activities that are useful examples to lead into NCEA Level 1 PLANTING ROOTS assessment material. Please also look at your existing programmes to make use of relevant and engaging ideas and activities you currently incorporate or resources you have from previous years or professional development.

For this booklet it would be useful to have a charged iPad, notebook, tablet, phone and Internet to complete the tasks.

You can choose to complete this booklet in several sessions, or support the student in one session.

You can give support by: -

- Helping with reading and writing
- Helping with physical tasks like cutting, pasting, drawing lines etc.
- Supporting with braille or sign language
- Listening to their answers
- Prompting with questions
- Linking ideas to things they are familiar with

A student can respond the way they find easiest and the teacher can record answers for the student if they are unable to do so. The student can choose from speaking, writing, signing or using pictures.

## INSTRUCTIONS FOR THE STUDENT

- Aim to complete the whole booklet and the learning checklist at the back
- Your teacher will explain how much you will be completing in a session
- Ask for help if you need it, especially with writing or understanding the task so you can complete it
- Think about how you use these skills every day
- The teacher can help you with reading/writing
- Remember, you can always practise a task before completing it.



## PLANTING ROOTS

Growing and caring for plants is fun! You can do something simple like scatter a few seeds and just water them, or get more fancy and plant a garden and watch vegetables and plants grow.

This mini-booklet has a range of tasks for preparing your garden and plants, and then growing and using them. It also leads into the PLANTING ROOTS NCEA Level 1 assessment material that is worth 2 credits.

## SELECT & PREPARE YOUR PLANTS

Task 1: List the food you have eaten in the last week and circle or highlight anything you think you could grow in pots or a garden.

Food I have eaten in the last week

think  
about it





**Task 2:** Talk to the Home Economics department or canteen (or similar) and find out what vegetables and herbs they use. Circle or highlight anything you think you could grow in pots or a garden.

talk about it

What do they use?



**Task 3:** Go to a local plant nursery or market and look at the cost of the following plants. Check if they need anything special to grow them like stakes, sunshade etc.

find out

Plants	Cost	Anything special needed?
Lettuce or cabbage		
Strawberries or fruit		
Daisies		
A herb		



Task 4: Look through garden books or magazines to see what plants you like the look of. You could also research on the Internet. Print off or copy any that you like and attach.

Task 5: Make a list of all the things you will need to make a garden.

Items for garden	Who will organise this?
<input type="checkbox"/> Soil	
<input type="checkbox"/> Compost	
<input type="checkbox"/> Seeds	
<input type="checkbox"/> Plants	
<input type="checkbox"/> Tools like fork, spade, hoe etc.	
<input type="checkbox"/> Labels	
<input type="checkbox"/> Stakes	
<input type="checkbox"/> String	
<input type="checkbox"/> Shelter	
<input type="checkbox"/> Watering can	
<input type="checkbox"/> Hose	
<input type="checkbox"/> Fertiliser	
<input type="checkbox"/> Insect	
<input type="checkbox"/> Other:	



Discuss damage that pests and disease may cause your plants and ways to solve them. Research an organic (natural) way or using a product.



**Task 6:** Decide what you are going to grow and where. Decide also how often they will be watered and what steps need to be taken to care for the plants. Fill in your plant planning & growing log below

PLANT PLANNING & GROWING LOG			
I will be growing ...	I will grow them in ...	Watering Days	Notes

**Task 7:** Paint any pots you may be using with a design and make labels for your plants so you know what they are.

Try to keep the cost down by asking if people have leftover paint or pots, and think about different ways you could make labels for you plants.







Task 8: Make a scarecrow (or mobile) to put near your plants to scare away any bugs or birds. You could look at pictures on the Internet or in books for ideas and draw up what you scarecrow could look like.

research



Task 9: Visit a market garden or allotment to see how they grow their plants to get ideas for what to do when your plants or seeds grow up.

find out







Task 10: Research what you could use your plants for once they have grown.

Look at recipes for vegetables like salads, desserts, chutneys, sauces, or flower arrangements if you are growing flowers.



### OTHER IDEAS:

1. Have a sunflower competition and see who grows the tallest by a set date.
2. Grow seedlings to sell in the staffroom, at a fete or a market stall. Try to use material around you so it doesn't cost much like egg cartons to grow in and plastic containers to cut up for labels.
3. Grow micro-seeds and give to the Home Economics department or canteen to use or make a pesto (ask how to do this).
4. Create a calendar with photos of the main food you could grow each month. You could visit gardens or research on the Internet to get ideas. You could also add in handy gardening tips or what to do with the produce.
5. Create a worm farm or compost area to use on your plants and garden.
6. Talk to a landscaper about how to create a bigger vegetable garden area that is both useful and looks nice. You could then visit your local hardware store (like Bunnings, Mitre 10) to research the costs.



## GREAT WEBSITES

Please also look at your existing programmes to make use of relevant and engaging ideas and activities you currently incorporate or resources you have from previous years or professional development. This will help align your existing resources with the skills and knowledge required for this set of Supported Learning Standards.

Suggested websites: -

<http://www.sciencekids.co.nz/gamesactivities/plantsgrow.html>

<http://www.sciencekids.co.nz/sciencefacts/plants.html>

<http://www.wicked.org.nz/Themes/Themes-gallery/Growing-Plants>

<http://kidsinthegarden.co.uk>

<http://www.neok12.com/Plants.htm>

<http://www.pbs.org/parents/sid/activities/growing-plants/>



# PLANTING ROOTS

## LEARNING CHECKLIST



Well done on completing the PLANTING ROOTS mini-booklet.

Name:	Can do this skill	Needs practice
<b>Literacy Skills</b>		
Can research plants		
Can select and organise plant preparation		
Can plan plant maintenance		
Can research recipes or uses of plants		
Can communicate with users of plants		
<b>Numeracy Skills</b>		
Research cost of plants and garden		
Understands frequency of watering and days		
Comment:		