

Landbased Studies

Scheme of Work for Academic Year September 2024 - July 2025

	Lesson	Term 1	Lesson	Term 2	Lesson	Term 3	Lesson	Term 4	Lesson	Term 5	Lesson	Term 6
Class		Developing Skills in Garden Maintenance		Introduction to Horticulture		Introduction to Propagation of Plants		Environmental Improvement		Building confidence: Working with Animals		Animal Care - Small Animals
KS4 Entry Level 3	1	Understand tools used in garden maintenance	1	Know about plants that grow in a garden or allotment and identify different flowers and vegetables to grow on an allotment or in a domestic garden	1	To identify a range of seeds, bulbs and tubers	1	Understand how to carry out environmental survey of a site	1	Follow general safety rules when in the working environment	1	To prepare to restrain a small animal
	2	Be able to maintain a garden and carry out garden maintenance tasks according to the season	2	Know about plants that grow in a garden or allotment and identify common weeds	2	Identify sources where seeds, bulbs and tubers can be purchased	2	Identify a site on which to carry out a survey	2	Follow specific safety rules when working and handling animals	2	To restrain a small animal
	3	Understand the importance of lawn maintenance	3	Know about plants that grow in a garden or allotment and identify common vegetables	3	Identify alternative ways of obtaining new plants	3	Outline how to mark and how to use the survey materials safely	3	Use PPE, tools and equipment as directed	3	To maintain own safety and hygiene throughout operations
	4	Understand the correct methods of garden waste disposal	4	To sow seed in open ground or in trays	4	Identify a range of containers and planting materials	4	Identify appropriate PPE needed for carrying out site survey work	4	Name domesticated animals and state why humans domesticated the named animals	4	To recognise areas of the body for checking to establish health in a small animal
	5	List hand tools used in gardening and uses	5	To sow tubers and rooted plants directly into prepared ground	5	Outline the importance of taking environmental factors into account	5	Understand how to carry out improvement work	5	State the natural habitat of domesticated animals and give examples of good practice when working with the animals	5	To state the signs which indicate that a small animal is healthy
	6	To know how to check the condition of garden hand tools and identify any problems	6	To prick out seeds and plant in prepared ground	6	Identify the benefits of correct maintenance	6	List features in a landscape that are good and features that could be improved	6	List behaviours animals and humans use to express their feelings	6	To identify signs of good health in small animals
	7	To select and use tools to carry out garden maintenance	7	Be able to grow and care for plants - To Identify 3 ways to maintain plants	7	Know how to recognise different forms of embryo plants	7	Identify the range of tools needed to undertake improvement work	7	Give examples of how human behaviour and feelings can be impact/affected on/by animals	7	To use a care routine that encourage normal behaviour in animals
Class	Lesson	Term 1	Lesson	Term 2	Lesson	Term 3	Lesson	Term 4	Lesson	Term 5	Lesson	Term 6
Class		Plant Identification		Improving an Outdoor Area		Pest identification-control		Exploring the natural environment		Plant identification - flowers		Recognising herb plants and their uses
KS4 Forest School	1	Identify a tree using a method appropriate to them	1	Identify and state one thing they would like to change about an outdoor area	1	Identify at least three common garden pests using photographs	1	Use equipment such as binoculars and magnifying glasses to explore their local environment	1	To be able to identify different parts of flowers	1	Use at least two different sources of information to find out and know the origins of herbs
	2	Identify a deciduous tree or plant	2	Identify one improvement they would like to make an outdoor area and give a simple reason	2	Collect and understand at least three physical specimens of pest damage to a plants or flowers	2	Take part in a nature walk and record what they have seen/found using pictures or photographs	2	Identify at least four different parts of a flower including petal, stamen, stigma, sepal	2	Identify three herbs that grow differently
	3	Identify an evergreen tree or plant	3	Select an outdoor item from the internet which they would like and identify the price of a selected item	3	Match three common garden pests to diseased plants or flowers	3	Take part in a walk in their local environment and record what they have seen/found using pictures or photographs	3	Explore the different fragrances of flowers and indicate a like or dislike to the smell of at least four different flowers and select their favourite smell	3	Identify the uses of three different herbs in different recipes
	4	Identify three different types of leaf shape, color and textures	4	Identify and record an appropriate opening and closing greeting for a letter requesting to buy an outdoor item with appropriate support	4	Identify the pest most likely to have caused the damage to a plant	4	Name different types of weather, sequence the seasons of the year and give 2 examples of how the seasons affect the natural environment	4	To name the colour of at least three different coloured flowers and select their favourite coloured flower	4	Create a table or an information leaflet using the information they have gathered on different herbs
	5	Identify four basic parts of a plant eg flowers, stem, leaves, roots	5	Sequence and follow instructions for planting flowers to improve an outdoor area with appropriate support	5	Identify the pest most likely to have caused the damage to a flowers	5	Identify at least three different varieties of trees and plants in their natural environment	5	Using selected flowers, remove some petals off each flower. compare the different size, colour and shapes of each petal	5	Identify the uses of three different herbs in different medical conditions
	6	Match the stages of a deciduous flowering plant or tree to the annual cycle	6	Identify one thing they have done well with their outside area using a word bank with appropriate support	6	Demonstrate using an appropriate method of biological or organic pest control, with appropriate support	6	Identify at least three natural materials in their environment	6	Sort by size, the colour and then similar petal shape. select your favourite petal and indicate reason eg colour, shape, size	6	Select three herbs of their choice and share information about the origins of each herb through a group discussion
	7	Indicate the basic gardening activities that would be required at the various stages of the annual cycle	7	Identify one thing they like about the improved outdoor area project and give a simple reason	7	Use photographs to record the effect and demonstrate how to control pests on an area of a plant	7	Identify at least one reason why they like being in the natural environment	7	Complete a workbook selecting a way they would like to share their work eg by season, flower name, flower, colour etc	7	
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Class		Horticulture		Planting		Cultivating compost and soils		Herbs		Habitats		Overview of Course
KS5 Level 1	1	Name 3 varieties of flower to grow on an allotment or in a domestic garden	1	Outline the requirements for the successful germination of seeds	1	List tools and equipment used for soil and compost cultivation and their uses	1	Understand the use of herbs	1	Recognise a range of habitats. List the main habitat types and the plants and animals common to each	1	Assessment quiz and ensure outstanding work is complete
	2	Identify 6 different types of weeds and know how to control them	2	Take precautions against extremes in temperature	2	Identify the health and safety precautions required for soil and compost cultivation	2	Identify plants from the onion family and state their medicinal or culinary use	2	State the characteristics of the main <ul style="list-style-type: none"> ◆ woodland habitats ◆ freshwater habitats ◆ grassland habitats 	2	Assessment quiz and ensure outstanding work is complete
	3	To know how to propagate seeds by sowing 2 different kinds of seeds in open ground and sowing 2 different kinds of seeds in a tray under glass	3	Identify equipment required for outdoor sowing	3	Identify the steps in making compost. State the benefits of using compost	3	Identify plants from the mint family and state their medicinal or culinary use	3	List features, other than climate, which affect what grows on a site	3	Assessment quiz and ensure outstanding work is complete
	4	To know how to propagate seeds by sowing seeds directly in ground	4	State the need to make sure of suitable holes/drills to receive given types of seeds	4	Describe the components and characteristics of 3 soil types. Give examples of the types of plants which will grow well on 3 types of soil	4	Identify the characteristics of different herbs	4	Recognise the energy links between plants and animals	4	Assessment quiz and ensure outstanding work is complete
	5	Understand and follow a given maintenance plan	5	Identify the cause of 'damping off'	5	State the meaning of pH levels and their effects on soil	5	Identify what different herbs need to grow well. Identify the container and location most suited to selected herbs	5	Define the term 'food chain' 'herbivore', 'carnivore', 'omnivore'	5	Assessment quiz and ensure outstanding work is complete
	6	Prick out and plant in prepared ground	6	Describe the effects of 'growing on' conditions	6	Identify chemicals in soil and their effects on plant life	6	Grow a member of the onion family from seeds or bulbs	6	State how plants provide food and energy for grazing and browsing animals	6	Assessment quiz and ensure outstanding work is complete
	7	Identify any pests/diseases	7	Identify the reasons for 'hardening off' and 'planting out'	7	Identify how different types of soil may be cultivated with the use of tools	7	Grow a member of the mint family from seeds or cuttings	7	State how material decomposes with the help of invertebrates, fungi and bacteria	7	Assessment quiz and ensure outstanding work is complete

