



Staff Name:

Zone: The polytunnel and the garden

Ability range: P7-NC3

Target Group: SEN

Date:

Lesson Reference:

Week 2

'Plant Dissection'

Learning Objectives:

- Students to explore and name a range of plant parts.
- Students to describe the function of these plant parts.

Learning Outcomes:

- Students to dissect their own plant and draw and label it correctly.
- Students to participate in a plant scavenger hunt.

Challenge: To identify the female and male parts of the plant.

Differentiation: Visual aids used for access group, to help channel their thinking.

Support provided by teaching assistant.

AFL: Reference to scheme of work.

Development of Skills/Cross Curricular

LITERACY/COMMUNICATION

Key word bingo/dominoes.

PSHE

Environmental awareness.

STARTER ACTIVITY

Register students and share the learning objectives with them.

Plant Bingo: Learn about the parts of a plant by playing the 'Plant Bingo' game. Choose to use the visual boards or the word bingo boards depending on the students' abilities.

MAIN PART OF LESSON

Plant Dissection: Give each student a flower (tulips or daffodils work the best). The students complete the plant dissection worksheet using their flower. Access students use a plant mat for extra support.

Plant Scavenger Hunt: Students to identify a range of wild plants growing in the school field using the 'Plant Scavenger Hunt' task sheet.

Challenge: Identify the male and female parts of the plants found.

PLENARY

Assessment Hands: Each student to draw around their hand. On each finger the student should write a word that describes a part of the plant. Explain that, on the thumb, they should write something that they would like to learn in the future about the topic. The teaching assistant to support the access group in picking four visual aids that describe plant parts.

Extension Tasks: 'Plant Dominoes'.

Risk Assessment: Teacher in charge to ensure all correct and appropriate risk assessments are carried out to ensure the health and safety of all of the students in the group.

Disclaimer

The template used to produce this document, is purely for guidance only and can be adapted to suit individual requirements/standards/establishments.

VISUAL	Plant bingo. Task sheets.
AUDITORY	Direct teaching/explanation.
KINAESTHETIC	Plant dissection. Scavenger hunt.
SKILLS	Development of communication skills.
SEN	Review behaviour/epilepsy plans.
REWARDS	Links to school reward system.

Carrots		
Compost		
Water		
Sunflower		
Bees		
Animals		
Roots		
Seed		
Heat		
Leaves		
Sun		
Cabbage		
Stem		
Soil		
Pollen		
Pods		
Flower		
Petal		
Wind		
Shelter		
Strawberries		
Pot		
Acorn		
Light energy		

Carrots	Compost	Water
Sunflower	Bees	Animals
Roots	Seed	Heat

Leaves	Sun	Cabbage
Stem	Soil	Pollen
Pods	Flower	Petal

Wind	Shelter	Strawberries
Pot	Acorn	Light energy
Carrots	Light energy	Sunflower

Shelter	Strawberries	Pot
Wind	Petal	Flower
Soil	Pollen	Pods

Stem	Cabbage	Sun
Seed	Heat	Leaves
Roots	Animals	Bees

Compost	Water	Sunflower
Carrots	Light energy	Acorn
Shelter	Strawberries	Pot

Flower	Petal	Wind
Pods	Pollen	Compost
Pollen	Soil	Stem

Leaves	Sun	Cabbage
Heat	Seed	Roots
Sunflower	Bees	Animals

Sunflower	Water	Compost
Acorn	Light energy	Carrots
Pot	Strawberries	Shelter

Flower	Petal	Wind
Pods	Pollen	Soil
Sun	Cabbage	Stem

Leaves	Heat	Seed
Bees	Animals	Roots
Sunflower	Water	Compost

Carrots	Bees	Animals
Heat	Seed	Roots
Leaves	Sun	Cabbage

Pollen	Soil	Stem
Pods	Flower	Petal
Strawberries	Shelter	Wind

Pot	Acorn	Light energy
Water	Compost	Carrots
Sunflower	Bees	Animals

Heat	Seed	Roots
Sunflower	Bees	Animals
Water	Compost	Carrots

Cabbage	Sun	Leaves
Stem	Soil	Pollen
Petal	Flower	Pods

Wind	Shelter	Strawberries
Light energy	Acorn	Pot
Carrots	Compost	Water

Animals	Roots	Seed
Cabbage	Leaves	Heat
Stem	Soil	Pollen

Domino Activity Data Entry Block: Enter 10 terms and definitions in the Data Entry Block below.

Term		Definition
Dispersal	1	The term given for spreading seeds.
Germination	2	This means the growth of plants.
Roots	3	These absorb water for plants.
Petals	4	This part of the plant attracts bees and other insects.
Pollination	5	The transfer of pollen from one plant to another.
Ovary	6	Contains the egg cells of the plant.
Stamen	7	Male part of the plant.
Leaf	8	Makes the food for the plant.
Broad Bean	9	A seed that can be eaten or saved and planted again the next year.
Stem	10	Holds the plant upright.

Domino Activity - The actual dominoes you have created follow on the next pages. The dominoes are printed out with two dominoes per page. The printout should be laminated then cut in half to create the actual dominoes, ready to use with your learners.

It is likely that you will need one set of dominoes for every 4-6 learners, the suggested number of players. To help manage the activity it is suggested that you have each set of dominoes printed on different coloured paper/card. To play 'Human Dominoes', you need to give each person their own card, they will then try to find the people who connect to their card i.e. hold the definition which matches their term (the preceding person) or has the term which corresponds to their definition (the person who will follow on from them).

Dispersal	Holds the plant upright.
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Germination	The term given for spreading seeds.
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Roots

This means the growth of plants.

Petals

These absorb water for plants.

Pollination		This part of the plant attracts bees and other insects.
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Ovary		The transfer of pollen from one plant to another.
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Stamen	Contains the egg cells of the plant.
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Leaf	Male part of the plant.
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Broad Bean	Makes the food for the plant.
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Stem	A seed that can be eaten or saved and planted again the next year.
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Flower Survey






Task: Circle the flowers that you can find in the school grounds or at a local park.








Plant Dissection

Task 1: You will each be given a flower, you need to dissect the flower and stick the parts to the correct labels below.

Plant Part	Visual Picture	Dissected Plant Part
Leaf		
Petal		
Roots		
Stem		
Sepal		

Task 2: Now see if you can find these more difficult parts of the plant.

Plant Part	Visual Picture	Dissected Part
Stamen (male plant part)		
Stigma (female plant part)		
Ovary (contains the eggs)		
Pollen	