



**Programme Module**

## **Creating a Container Garden**

**leading to**

**Level 3 FETAC Component: Container Gardening 3N0883**

**Please note the following prior to using this programme module descriptor:**

- This programme module can be delivered as a stand alone module or as part of the:
  - 1. Level 3 FETAC Certificate in General Learning 3M0874**
  - 2. Level 3 FETAC Certificate in Employability Skills 3M0935**
  - 3. Level 3 FETAC Certificate in Information and Communication Technologies 3M0877.**
- Upon successful completion of this programme module a learner will achieve 10 credits towards the CDETB Level 3 FETAC Certificates in General Learning, Employability Skills or Information and Communication Technologies
- The learner needs to achieve a minimum of 60 credits in order to achieve the Level 3 FETAC Certificates in General Learning, Employability Skills or Information and Communication Technologies
- Teachers/tutors should familiarise themselves with the information contained in CDETB's programme descriptor for Everyday Living Skills, Skills for the Workplace or Introduction to Information and Communication Technologies prior to delivering this programme module
- In delivering this programme module teachers/tutors will deliver class content in line with the Guidelines for Teaching and Learning included in this programme module
- In assessing learner, teachers/tutors will assess according to the information included in this programme module. Teachers/tutors are required to devise Assessment brief/s for the Collection of Work and Skills Demonstration.
- Where overlap is identified between the content of this programme module and one or more other programme module(s), teachers/tutors are encouraged to integrate the delivery of this content
- Where there is an opportunity to facilitate the learner to produce one piece of assessment evidence which demonstrates the learning outcomes from more than one programme module, teachers/tutors are encouraged to integrate assessment.

## Overview of the Programme Module

The Programme Module is structured as follows:

**Section 1 to 8:** contains important information for the teacher/tutor about the credit value, title, code, etc. of the programme module.

**Section 9:** details the learning outcomes prescribed for the programme module by FETAC. These outcomes are set by FETAC and cannot be changed in any way by the CDETБ or individual teachers/tutors.

**Section 10:** outlines suggestions and guidelines for teaching the module. It contains useful information and ideas for teachers/tutors and can be helpful in clarifying learning outcomes.

**Section 11:** contains the relevant information in relation to the assessment of the module. As the teacher/tutor is the assessor of the work, this section is essential reading.

**Section 11a** specifically prescribes the way in which learners are required to present evidence for assessment.

**Learner Marking Sheet:** this is the marking sheet that must be attached to the assessment portfolio and signed by the teacher/tutor and the learner.

Programme Module	Award
<b>1. Title of Programme Module</b> Creating a Container Garden	<b>2. Code</b> Level 3 Container Gardening 3N0883
<b>3. Duration in Hours of Programme Module</b> 100	<b>4. Credit Value</b> 10
<b>5. Assessment Technique</b> Skills Demonstration 80% Collection of Work 20%	<b>6. Specific Requirements</b> Centres must have access to the range of services, professional products, tools, materials and equipment to ensure the learner has the opportunity to cover all of the practical activities.
<b>7. Aims of the Programme Module</b> This programme module aims to equip the learner with the knowledge, skill and competences to create container gardens.  <b>8. Objectives:</b> <ul style="list-style-type: none"> <li>• to develop the basic knowledge and skills in creating container gardens</li> <li>• to develop the basic knowledge and skills in maintaining plants over an extended period</li> <li>• to promote safe working practices.</li> </ul>	
<b>9. Learning Outcomes of Level 3 Container Gardening 3N0883</b> <b>The learner will be able to:</b> <ol style="list-style-type: none"> <li>1. list the materials, tools and equipment required to grow ornamental plants and vegetables in containers both indoors and outdoors</li> <li>2. describe the growth cycle of a variety of summer and winter flowering plants</li> <li>3. explain the growth requirements of container grown plants and vegetables</li> <li>4. list the type of plants and vegetables suitable for container gardening</li> <li>5. describe the compost suitable for container gardening</li> <li>6. prepare containers for planting with attention to suitable lining material, growing media and drainage requirements</li> <li>7. select appropriate types of plants and vegetables to match container location and size</li> <li>8. plant selected plants and vegetables with attention to positioning, depth and watering</li> <li>9. demonstrate the application of communications, team working and quality awareness in a horticultural environment</li> <li>10. apply appropriate health, safety and personal hygiene procedures when growing plants and vegetables in confined areas.</li> </ol>	
<b>Delivery Strategies and Learning Activities</b> The programme module could be delivered through classroom-based learning activities, team work, group discussions, one-to-one tutorials, field trips, case studies, role play and other relevant activities. There are practical elements to this module requiring access to a range of materials, resources and equipment and the learner should be allocated adequate time and facilities to complete each task. All practical activities should exemplify safe working practices and reinforce standard health, safety and environmental concerns.	

## 10. Guidelines for Teaching and Learning

Please note: the following guidelines suggest a sequence for the teaching of this module. In some cases, this may differ from the sequence of learning outcomes outlined in section 9.

### Tools and Equipment

*In order to help the learner achieve **Learning Outcome 1** in particular, consider doing the following:*

Explore with the learner the materials, tools and equipment required to grow ornamental plants and vegetables in containers both indoors and outdoors, take care to use visual examples.

- List the different materials required for growing plants and vegetables in containers under the following headings:
  - Ornamental plants
  - Vegetables
- List the different tools required for growing plants and vegetables in containers under the following headings:
  - Ornamental plants
  - Vegetables
- List the different equipment required for growing plants and vegetables in containers under the following headings:
  - Ornamental plants
  - Vegetables
- Discuss any additional materials, tools and equipment necessary for growing ornamental plants and vegetables indoors and outdoors

### The Growth Cycle of Summer and Winter Flowering Plants

*In order to help the learner achieve **Learning Outcome 2** in particular, consider doing the following:*

Explore with the learner the life cycle of a variety of summer and winter flowering plants

- Use visual aids to describe the life cycle of a variety of summer and winter flowering plants using the following list:
  - Plant name
  - Summer or winter plant
  - Sowing time
  - Planting out time
  - Expected flowering period
- List a number of flowering plants that will ensure flowering for the entire calendar year
- Discuss the different methods of supplying the flowering plants, e.g. garden centres, seeds for plants, seeds in packets.

### Helping plants grow.

*In order to help the learner achieve **Learning Outcome 3** in particular, consider doing the following:*

Explore the growth requirements of container grown plants and vegetables

- Explain the growth requirements of container grown plants using the following list:
  - Plant name
  - Annual, perennial, evergreen
  - Grown from seed, runner or bulb
  - Seeds grown under protection
  - Hardening off period
  - Feeding requirements
  - Water requirements
  - Full sun/partial sun/shade
  - Plant height
  - Upright or trailing plant
  
- Explain the growth requirements of container grown vegetables using the following list:
  - Vegetable name
  - Grown from seed, runner or bulb
  - Seeds grown under protection
  - Hardening off period
  - Feeding requirements
  - Water requirements
  - Full sun/partial sun/shade
  - Vegetable height
  - Upright or trailing vegetable
  
- List the methods that may encourage plant growth and extend the flowering period, e.g. pinching off, support, feed

### **Suitable Container Plants**

*In order to help the learner achieve **Learning Outcome 4** in particular, consider doing the following:*

Explore with the learner the types of plants suitable for container gardening using the following list:

- Hanging baskets
- Window box
- Flower pot (5 litre)
- Flower pot (10 litre)

- Upside down container
- Other container growing media
- List the types of vegetables suitable for container gardening using the following list:
  - Hanging baskets
  - Window box
  - Flower pot (5 litre)
  - Flower pot (10 litre)
  - Upside down container
  - Other container growing media

### **Compost for Container Gardens**

*In order to help the learner achieve **Learning Outcome 5** in particular, consider doing the following:*

Explore with the learner the compost suitable for plants using the following list:

- Describe the compost suitable for ornamental plants using the following list:
  - Hanging basket
  - Window box
  - Flower pot (5 litre)
  - Flower pot (10 litre)
  - Upside down container
  - Other container growing media
- Describe the compost suitable for vegetables using the following list:
  - Hanging basket
  - Window box
  - Flower pot (5 litre)
  - Flower pot (10 litre)
  - Upside down container
  - Other container growing media
- List additional growing media materials that can be added to compost to benefit the growth ornamental plants and vegetables, e.g. water retaining crystals, vermiculite
- Discuss the benefits of the additional growing media to the compost and/or plant growth

### **Preparing Containers for Planting**

*In order to help the learner achieve **Learning Outcome 6** in particular, consider doing the following:*

Explore with the learner how to prepare containers for planting with attention to suitable lining material, growing media and drainage requirements

- Complete practical skills demonstration at appropriate intervals during the programme
- Prepare container for planting ornamental plants with attention to suitable lining material, growing media and drainage requirements using the following list:
  - Hanging basket
  - Window box
  - Flower pot (5 litre)
  - Flower pot (10 litre)
  - Upside down container
  - Other container growing media
- Prepare container for planting vegetables with attention to suitable lining material, growing media and drainage requirements using the following list:
  - Hanging basket
  - Window box
  - Flower pot (5 litre)
  - Flower pot (10 litre)
  - Upside down container
  - Other container growing media

### **Selecting the right plants and vegetables**

*In order to help the learner achieve **Learning Outcome 7** in particular, consider doing the following:*

Explore with the learner how to Select appropriate types of plants and vegetables to match container and size

- Complete practical skills demonstration at appropriate intervals during the programme
- Select appropriate types of ornamental plants to match container and size of plant using the following list:
  - Hanging basket
  - Window box
  - Flower pot (5 litre)
  - Flower pot (10 litre)
  - Upside down container
  - Other container growing media



- Select appropriate types of vegetables to match container and size of plant using the following list:
  - Hanging basket
  - Window box
  - Flower pot (5 litre)
  - Flower pot (10 litre)
  - Upside down container
  - Other container growing media

### **Planting**

*In order to help the learner achieve **Learning Outcome 8** in particular, consider doing the following:*

Explore with the learner how to plant selected plants and vegetables to match container location and size

- Complete practical skills demonstration at appropriate intervals during the programme
- Plant selected ornamental plants to match suitable container location and size
  - Demonstrate and enable learner to carry out selecting suitable growing containers
  - Demonstrate and enable learner to carry out selecting suitable plants
  - Demonstrate and enable learner to carry out planting up the growing container with the plants selected
- Plant selected vegetables to match suitable container location and size
  - Demonstrate and enable learner to carry out selecting suitable growing containers
  - Demonstrate and enable learner to carry out selecting suitable vegetables
  - Demonstrate and enable learner to carry out planting up the growing container with the vegetables selected

### **Developing other Core Skills and Competencies**

*In order to help the learner achieve **Learning Outcome 9** in particular, consider doing the following:*

- Explore with the learner the importance of effective communication, team working and quality awareness in a horticultural environment.
- Clarify with the learner the necessity for effective communication in a horticultural environment; (e.g., follow instruction, appropriately express ideas, opinions, concerns, etc.) It is important to facilitate the learner to apply effective communication skills in different contexts throughout the delivery of the module. This could include one to one or group discussions and oral and written presentations, etc. Evidence must be verified by the teacher / tutor and retained in the Collection of Work.
- Clarify with the learner the necessity for effective team-working in a horticultural environment. (e.g., working to agreed deadlines, sharing the workload, etc.) The learner should be able to identify areas of work or tasks that require co-operation / team work and explain why. They must be able to identify tasks or procedures in which they engaged in on their own and/ or areas of personal responsibility. It is essential to facilitate the learner to participate effectively in group situations and team activities

throughout the delivery of the module. Evidence must be verified by the tutor and retained in the Collection of Work

- Clarify with the learner the necessity for quality awareness in a horticultural environment (e.g., compliance with legal standards and regulatory requirements, adequate waste disposal facilities, etc.) It is important to facilitate the learner to identify a range of quality awareness issues relevant to a gardening / horticultural environment and to understand that success is linked to the application of sound quality concepts. Evidence must be verified by the tutor and retained in the Collection of Work.

### **Health, Safety and Hygiene considerations**

*In order to help the learner achieve **Learning Outcome 10** in particular, consider doing the following:*

Explore with the learner appropriate health, safety and personal hygiene procedures when potting and planting.

- Identify with the learner basic health and safety guidelines for working in a horticultural environment; (e.g., wear sun protection, have access to first aid equipment, proper storage of tools, etc). The learner should be able to identify common hazards and causes of accidents and describe strategies to prevent them or minimise the danger. The learner should be able to describe basic first aid and emergency procedures in the event of accidents and be familiar with correct manual handling procedures. The learner should be able to observe relevant safe working practices as outlined in the Safety, Health and Welfare at Work Act, 2005.
- Exemplify with the learner how to use tools and equipment safely. The learner should be able to handle and store tool, materials, equipment and machinery in a safe and appropriate manner. The learner should understand the importance of recognising common hazard signs and labels on tools and products and correctly identify and following instructions on containers, materials, equipment, etc. In addition, the learner should be aware of when and why it may be necessary to wear personal protective clothing and equipment (e.g., goggles, face masks, etc.)
- Identify with the learner the potential for certain plant material to be poisonous or an irritant, and identify the necessity to follow correct procedure when using and storing garden chemicals and disposing of them and their containers. The learner should be aware of common potential physical, chemical and biological hazards to humans, animals and the environment. The learner should understand the importance of washing their hands carefully with soap and following other basic hygienic procedures and practices relevant to a horticultural environment.

Useful resources:

- The Health and Safety Authority ([www.hsa.ie](http://www.hsa.ie)) provide a range of publications and a list of resources that might prove useful, including [www.hsa.ie/eng/Education/Managing\\_Safety\\_in\\_Schools](http://www.hsa.ie/eng/Education/Managing_Safety_in_Schools)
- Health & Safety Guide for Garden Centre Workers on the [www.worksafefbc.com](http://www.worksafefbc.com) website offers clear, simple and useful information and guidelines.

**11. (a) Specific Information Relating to the Assessment Techniques**

The assessor (teacher/tutor) is required to devise Assessment briefs for the Collection of Work and Skills Demonstration. In devising the Assessment briefs, care should be taken to ensure that the learner is given the opportunity to show evidence of achievement of ALL learning outcomes. Each learner is required to work alone in completing the Collection of Work. There is no facility for this Collection of Work to be completed as a group.

Evidence that the learner has achieved the learning outcomes may take a variety of forms including tutor's record of the learner's contribution, learner worksheets, diagrams, cloze tests, multiple choice statements, visual presentations, or other appropriate evidence in the form of written, oral, graphic, audio, visual or any combination of these. Any audio or visual evidence must be provided in a suitable format. All of the evidence must be retained in the learner's assessment portfolio.

<b>Skills Demonstration</b>	<b>80%</b>
Supporting evidence of the Skills Demonstrations must be included in the portfolio of assessment.	
The learner will complete 4 Skills Demonstrations at appropriate intervals during the programme.	
<p><b>Skills Demonstration 1 – Select plants/vegetables suitable for container gardening</b></p> <p><b>(30 – 45 minutes approximately)</b></p> <ol style="list-style-type: none"> <li>1. Choose plants/vegetables suitable for container gardening.</li> <li>2. Choose plants/vegetables that are suitable to the growing conditions available to the learner.</li> <li>3. Choose a container that is a suitable width and depth for the selected plants/vegetables</li> </ol>	
<p><b>Skills Demonstration 2 – Planting up plants in a hanging basket</b></p> <p><b>(30 – 45 minutes approximately)</b></p> <ol style="list-style-type: none"> <li>1. Prepare container for plants</li> <li>2. Mix in growing media, i.e. peat with any additional fertilizers, water retaining crystals, perlite, vermiculate</li> <li>3. Plant up plants in hanging baskets, paying attention to external environmental factors such as full sun, partial sun, wind, potential pests and diseases</li> </ol>	
<p><b>Skills Demonstration 3 – Planting up plants in suitable pot</b></p> <p><b>(30– 45 minutes approximately)</b></p> <ol style="list-style-type: none"> <li>1. Prepare container for plants</li> </ol>	

2. Mix in growing media, i.e. peat with any additional fertilizers, water retaining crystals, perlite, vermiculate
3. Plant up plants in suitable pot, paying attention to external environmental factors such as full sun, partial sun, wind, potential pests and diseases

**Skills Demonstration 4 – Plant vegetables in suitable growing container**

**(30– 45 minutes approximately)**

1. Prepare container for vegetables
2. Mix in growing media, i.e. peat with any additional fertilizers, water retaining crystals, perlite, vermiculate
3. Plant vegetables in suitable growing container, paying attention to external environmental factors such as full sun, partial sun, wind, potential pests and diseases

When completing the Skills Demonstrations, the learner must demonstrate:

- correct maintenance and storage of tools, materials and equipment
- appropriate health, safety and personal hygiene procedures
- effective communication and team working skills, and an awareness of quality issues.

<b>Collection of Work</b>	<b>20%</b>
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The Collection of Work may be produced throughout the duration of this programme module. It must be clearly indicated where evidence covers more than one learning outcome.

The learner will compile a Collection of Work to include:

1. evidence of knowledge of the tools and equipment involved in the process of planting up container gardening, to include step by step process of planting up containers and/or photographs of the equipment being used
2. evidence of the learner developing an understanding of the growth cycle of a variety of summer and winter flowering plants
3. evidence of the learner developing an understanding of the growth requirements of container grown plants and vegetables.

**11. (b) Assessment - General Information – Container Gardening 3N0883**

All instructions for the learner should be clearly outlined in an Assessment brief

<b>Mapping Each Learning Outcome to an Assessment Technique</b>	
<b>Learning Outcome</b>	<b>Assessment Technique</b>
1. List the materials, tools and equipment required to grow ornamental plants and vegetables in containers both indoors and outdoors	Collection of work
2. Describe the growth cycle of a variety of summer and winter flowering plants	Collection of work
3. Explain the growth requirement of container grown plants and vegetables	Collection of work
4. List the type of plants and vegetables suitable for container gardening	Collection of work
5. Describe the compost suitable for container gardening	Collection of work
6. Prepare containers for planting with attention to suitable lining material, growing media and drainage requirements	Skills demonstration
7. Selected appropriate types of plants and vegetables to match container location and size	Skills demonstration
8. Plant selected plants and vegetables with attention to positioning, depth and watering	Skills demonstration
9. Demonstrate the application of communications, team working and quality awareness in a horticultural environment	Collection of work
10. Apply appropriate health, safety and personal hygiene procedures when growing plants and vegetables in confined areas	Collection of work

**Grading**

At Level 3 a learner is graded as Successful or Referred.

**Successful** means that ALL the learning outcomes from the Component Specification have been demonstrated to an appropriate standard in the learner's portfolio of assessment.

**Referred** means that the portfolio of assessment needs further work by the learner before s/he can demonstrate the standard and achieve certification from FETAC.

**Level 3 Container Gardening 3N0883****Learner Marking Sheet**

Learner's Name: \_\_\_\_\_

Learner's PPSN: \_\_\_\_\_

<b>Learners will be able to:</b>	<b>Evidence of the following is included in the assessment portfolio:</b>	✓ if present in portfolio	<b>Please indicate where evidence is to be found</b>
1. List the materials, tools and equipment required to grow ornamental plants and vegetables in containers both indoors and outdoors	List the different materials required for growing ornamental plants and vegetables List the different tools required for growing ornamental plants and vegetables List the different equipment required for growing ornamental plants and vegetables Discuss any additional materials, tools and equipment necessary for growing ornamental plants and vegetables indoors and outdoors		
2. Describe the growth cycle of a variety of summer and winter flowering plants	Describe the life cycle of a variety of summer and winter flowering plants List a number of flowering plants that will ensure flowering for the entire calendar year Discuss the different methods of supplying the flowering plants, e.g. garden centres, seeds		
3. Explain the growth requirements of container grown plants and vegetables	Explain the growth requirements of container grown plants Explain the growth requirements of container grown vegetables List the methods that may encourage plant growth and extend the flowering period, e.g. pinching off, support, feed		
4. List the types of plants and vegetables suitable for container gardening	List the types of plants suitable for container gardening List the types of vegetables suitable for container gardening		

<p>5. Describe the compost suitable for container gardening</p>	<p>Describe the compost suitable for ornamental plants                  Describe the compost suitable for vegetables                  List additional growing media materials that can be added to compost to benefit the growth ornamental plants and vegetables, e.g. water retaining crystals, vermiculite                  Discuss the benefits of the additional growing media to the compost and/or plant growth</p>		
<p>6. Prepare container for plating with attention to suitable lining material, growing media and drainage requirements</p>	<p>Complete practical skills demonstration at appropriate intervals during the programme                  Prepare container for planting ornamental plants with attention to suitable lining material, growing media and drainage requirements                  Prepare container for planting vegetables with attention to suitable lining material, growing media and drainage requirements</p>		
<p>7. Select appropriate types of plants and vegetables to match container and size</p>	<p>Complete practical skills demonstration at appropriate intervals during the programme                  Select appropriate types of ornamental plants to match container and size of plant                  Select appropriate types of vegetables to match container and size of plant</p>		
<p>8. Plant selected plants and vegetables to match container location and size</p>	<p>Complete practical skills demonstration at appropriate intervals during the programme                  Plant selected ornamental plants to match suitable container location and size                  Plant selected vegetables to match suitable container location and size</p>		
<p>9. Demonstrate the application of communications, team working and quality awareness in a horticultural environment</p>	<p>Demonstrate the application of communications throughout the entire programme                  Discuss the benefits of communicating                  Demonstrate the application of team work throughout the entire programme                  Discuss the benefits of team work                  Demonstrate the application of quality awareness throughout the entire programme</p>		

	Discuss the benefits of quality awareness		
10. Apply appropriate health, safety and personal hygiene procedures when growing plants and vegetables in confined areas	Demonstrate the appropriate health, safety and personal hygiene procedures throughout the entire programme Identify and discuss a range of common hazards Explain and discuss the effects of exposure to common hazards Demonstrate personal hygiene procedures Emphasise the importance of reading and following instructions on containers Demonstrate how to handle and use equipment safely Discuss and demonstrate relevant safe working practices as outline in the <u>Safety, Health and Welfare at Work Act 2005</u>		

This is to state that the evidence presented in the attached portfolio is complete and is the work of the named learner.

Learner's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Assessor's Signature: \_\_\_\_\_

Date: \_\_\_\_\_

External Authenticator's Signature: \_\_\_\_\_

Date: \_\_\_\_\_