

UNIT TITLE:- ORGANIC CULTURE

LEVEL:- TWO

CREDIT VALUE:- 6

UNIT CODE:- SD12SY002

This unit has 13 learning outcomes

LEARNING OUTCOMES:

ASSESSMENT CRITERIA:

The Learner will:

The Learner can:

1. Demonstrate an appreciation of the term “Organic” in relation to organic growing.

1.1 Describe and explain the term “Organic” in relation to organic growing.

2. Demonstrate an awareness of the history, current situation and future development of the Organic movement.

2.1 Identify and explain the key facts about the Organic movement:
a) historically
b) currently and
c) possible future developments.

3. Demonstrate an appreciation of the principles of organic growing.

3.1 Outline six considerations which need to be taken into account when growing organically.

4. Demonstrate an awareness of fundamental principles with reference to their own knowledge, motives and aims in relation to organic growing.

4.1 Explain own motives for participating in Organic Culture . Assess their own requirements and abilities for Organic growing.

4.2 Outline own current knowledge and understanding of organic growing.

4.3 Identify gaps in that knowledge and understanding and describe and assess ways in which the knowledge gaps will be met.

4.4 Describe overall achievement aims in relation to short term targets.

5. Demonstrate an appreciation of the differences between ornamental growing and food-production.

5.1 Explain the main differences between ornamental growing and food growing.

6. Demonstrate an understanding of the provision and cultural significance of allotments.

6.1 Outline the provision of allotments in relation to four legal and access issues.

6.2 Explain two examples of the cultural significance of allotments.

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
<p>7. Demonstrate an appreciation of the contribution that organic produce can make to health and well-being.</p> <p>8. Demonstrate an understanding of developments in Genetic Engineering in relation to organic culture and cultivation.</p> <p>9. Demonstrate an awareness of the health and safety implications of growing food organically.</p> <p>10. Demonstrate an appreciation of how to work with others organically.</p> <p>11. Demonstrate an appreciation of the difficulties involved in growing food organically.</p> <p>12. Demonstrate an understanding of a wide range of approaches to food-growing.</p> <p>13. Demonstrate an awareness of a range of initiatives to increase availability of locally-grown and organic food.</p>	<p>7.1 Explain the links between diet, nutrition and organic produce.</p> <p>7.2 Summarise the benefits of organic herbs to diet and health.</p> <p>7.3 Identify and describe one pattern of diet-related disease.</p> <p>8.1 Summarise three key elements of the science of and debate about genetics in relation to crop production.</p> <p>8.2 Describe and explain the impact of two genetically-modified organisms on organic growing systems.</p> <p>9.1 Describe the process of risk assessment on a range of different growing facilities.</p> <p>9.2 Explain the importance of safety issues for gardening work, e.g. suitable clothing, tools, substances etc.</p> <p>10.1 Describe factors relevant to working with other people.</p> <p>10.2 Explain 4 methods and strategies for working with others.</p> <p>11.1 Explain the challenges and complexities of Organic food production.</p> <p>12.1 Identify and describe a range of different methods of food-growing.</p> <p>13.1 Identify and describe organisations and networks that provide support for organic growing.</p>

UNIT TITLE:- THEORY OF ORGANIC CULTIVATION

LEVEL:- TWO

CREDIT VALUE:- 6

UNIT CODE:- SD12SY003

This unit has 13 learning outcomes

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
1. Demonstrate an understanding of the effects of weather patterns and day-length and seasonal change in a specified region / own locality in relation to organic cultivation.	1.1 Outline estimated timings for a variety of cultivation activities in relation to weather conditions and seasonal change. 1.2 Describe the differing measures of time involved in crop production, giving due consideration to weather patterns, day-length and seasonal change. 1.3 Explain own choice of suitable dates for particular Biodynamic activities. Provide 3 specific examples.
2. Demonstrate an understanding of the principles of extended cropping.	2.1 Describe and explain recommended methods of producing crops throughout the year. 2.2 Describe two facilities designed to create protected growing microclimates and explain how to use them.
3. Demonstrate an awareness of different types of organic materials.	3.1 Identify and describe a range of bought and recycled organic materials. 3.2 Explain the differences between Organic and non-organic resources. 3.3 Identify sources of Organic materials. 3.4 Describe how to process and store raw materials for use in Organic horticulture. 3.5 Describe a basic range of concentrated Organic fertilisers. 3.6 Describe appropriate uses for Organic fertilisers.
4. Demonstrate an awareness of the range of soil types and appreciate a range of negative impacts on soils.	4.1 Identify and describe three different beneficial and detrimental soil management practices. 4.2 Outline three suggestions for how to remediate and improve soil for organic cultivation.

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
<p>5. Demonstrate an understanding of site development for Organic production.</p> <p>6. Demonstrate an understanding of the stages of growth of plants.</p> <p>7. Demonstrate an understanding of the range and variety of food crops, suitable for local production.</p> <p>8. Demonstrate a familiarity with techniques used to propagate plants.</p> <p>9. Demonstrate an understanding of establishing and maintaining growing systems.</p> <p>10. Demonstrate an understanding of preventative and symptomatic treatments appropriate in Organic cultivation.</p> <p>11. Demonstrate an understanding of how to establish and maintain perennial crops.</p> <p>12. Demonstrate an understanding of the essential principles of seed-saving.</p> <p>13. Demonstrate a familiarity with cropping techniques .</p>	<p>5.1 Explain how to organise a growing site for Organic production.</p> <p>5.2 Outline how to plan and record cultivation activities for a specific site over a one year period.</p> <p>6.1 Explain six methods of human intervention to improve plant growth at appropriate times.</p> <p>7.1 Outline and describe the range and variety of edible plants, suitable for local production.</p> <p>8.1 Describe three propagating techniques that can be used to multiply plantstock.</p> <p>8.2 Explain the benefits of one of these techniques.</p> <p>9.1 Explain how to establish and maintain two Organic food-growing systems.</p> <p>9.2 Summarise the principles of crop combination and rotation.</p> <p>10.1 Describe three good practices to ensure the health of crops within Organic cultivation.</p> <p>11.1 Explain how to plant and maintain fruiting and edible perennial crops. E.g. soft and top fruit, nuts and perennial vegetables.</p> <p>12.1 Describe how to save seed from edible crop plants.</p> <p>12.2 Explain the reasons for this.</p> <p>13.1 Describe recommended methods of harvesting and storing three crops.</p>

UNIT TITLE:- PRACTICAL ORGANIC CULTIVATION**LEVEL:- TWO****CREDIT VALUE:- 6****UNIT CODE:- SD12SY004**This unit has **10** learning outcomes

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
<p>1. COMPOSTING Demonstrate competence in the provision of bulky organic materials.</p> <p>2. SOIL Demonstrate the ability to apply an understanding of soil type and improvement.</p> <p>3. GROWING SYSTEMS Demonstrate the ability to organise a growing site.</p> <p>4. PERENNIALS Demonstrate competence in establishing perennials.</p> <p>5. RESOURCES Demonstrate competence in how to obtain organic supplies.</p> <p>6. PROPAGATION Demonstrate competence in how to propagate plants.</p>	<p>1.1 Process 3 types of bulky organic matter.</p> <p>2.1 Demonstrate appropriate soil cultivation for three categories of crop. 2.2 Assess soil type, structure and pH 2.3 Prepare soil with concentrated fertilisers. 2.5 Prepare beds of soil for 6 types of edible crop.</p> <p>3.1 Assess the suitability of a site for Organic cultivation. 3.2 Draw up an organised plan of designated planting areas for the growing site. 3.3 Install 3 suitable elements of infrastructure on a growing site to aid cultivation.</p> <p>4.1 Select and plant 3 suitable types of perennials</p> <p>5.1 Organise provision of three resources for Organic systems.</p> <p>6.1 Prepare 3 varieties of potting media. 6.2 Sow 3 types of seed (indoors & out). 6.3 Transplant and plant out 3 types of plant. 6.4 Raise 3 types of plant stock.</p>

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
<p>7. CULTIVATION Demonstrate competence in how to cultivate food crops.</p> <p>8. MICROCLIMATES Demonstrate competence in the use of micro-climates to optimise growth potential.</p> <p>9. HARVESTING Demonstrate competence in how to harvest organic crops.</p> <p>10. SEED-SAVING Demonstrate competence in how to save seed organically.</p>	<p>7.1 Cultivate 6 varieties of vegetable crop.</p> <p>8.1 Locate 3 suitable crops appropriately on a given site, using environment and equipment to create specific microclimatic advantages.</p> <p>9.1 Harvest and process 2 planted crops. 9.2 Store and / or process 2 gathered surpluses.</p> <p>10.1 Process 3 types of grown plants for seed extraction and storage. 10.2 Save 3 types of seed from grown plants.</p>

UNIT TITLE:- ADVANCED PRACTICAL ORGANIC CULTIVATION**LEVEL:- THREE****CREDIT VALUE:- 12****UNIT CODE:- SD13SY001**

This unit has 11 learning outcomes

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
<p>Understand how to plan and manage a complex growing system with reference to the following Outcomes:-</p> <p>1. COMPOSTING Demonstrate an understanding of the provision of bulky organic materials.</p> <p>2. SOIL Demonstrate the ability to understand soil type and preparation, using organic methods and materials.</p> <p>3. GROWING SYSTEMS Demonstrate the ability to organise a growing site.</p> <p>4. PERENNIALS Demonstrate an understanding of establishing perennials.</p> <p>5. RESOURCES Demonstrate an understanding of how to obtain organic supplies.</p> <p>6. PREPARATION Demonstrate an understanding of how to prepare an area of soil for cultivation, using organic methods and materials.</p>	<p>Provide a critique of their progress by continually reflecting upon, monitoring and amending activities:-</p> <p>1.1 Source, process and store 6 types of bulky organic matter.</p> <p>2.1 Cultivate soil appropriately for 12 crops,.</p> <p>2.2 Analyse soil type, structure, pH.</p> <p>2.3 Prepare soil with concentrated fertilisers.</p> <p>3.1 Assess and improve a site for Organic cultivation</p> <p>3.2 Install suitable infrastructure on a growing site to aid cultivation.</p> <p>3.3 Arrange 12 mobile elements efficiently.</p> <p>4.1 Plant and maintain 3 types of fruiting perennials.</p> <p>4.2 Maintain 3 types of Top and Soft fruit: pruning, spraying, mulching.</p> <p>5.1 Access and process 6 recyclable resources from local area.</p> <p>5.2 Organise provision of other necessary resources.</p> <p>6.1 Co-ordinate logistics for crop maintenance.</p> <p>6.2 Prepare specified areas to grow 12 types of edible crop to maturity.</p> <p>6.3 Plan and record practical activities.</p>

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
<p>7. PROPAGATION Demonstrate an understanding of how to propagate plants, using organic methods and materials.</p> <p>8. CULTIVATION Demonstrate an understanding of how to cultivate food crops, using organic methods and materials.</p> <p>9. MICROCLIMATES Demonstrate an understanding of the use of micro-climates to optimise growth potential.</p> <p>10. HARVESTING Demonstrate an understanding of how to harvest and distribute organic crops.</p> <p>11. SEED-SAVING Demonstrate an understanding of how to save seed organically.</p>	<p>7.1 Prepare 3 varieties of potting media. 7.2 Sow 12 types of seed, indoors & out 7.3 Take 3 types of cuttings and perennial divisions. 7.4 Transplant and plant out 12 crops.</p> <p>8.1 Cultivate 12 varieties of vegetable crop. 8.2 Manage soil sculpture. 8.3 Manage watering regimes. 8.4 Manage pest and disease control.</p> <p>9.1 Locate and grow 6 species in most advantageous site for specific microclimatic advantages. 9.2 Establish and maintain a protected growing structure.</p> <p>10.1 Produce a supply of crops over an extended period (more than 6 months). 10.2 Store and/or process 6 surpluses. 10.3 Prepare 12 crops for distribution. 10.4 Label produce appropriately.</p> <p>11.1 Process 12 types of edible plant for seed extraction and storage.</p>

UNIT TITLE:- GROWING ORGANIC GROWERS

LEVEL:- THREE

CREDIT VALUE:- 12

UNIT CODE:- (???????????)

This unit has **10** learning outcomes

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
The Learner will:	The Learner can:
<p>1. Record personal and professional development in relation to organic growing.</p> <p><i>(Learning Journal)</i></p> <p>2. Study resources available for organic growing.</p> <p><i>(Report)</i></p> <p>3. Demonstrate an understanding and appreciation of horticultural psychology.</p> <p>4. Demonstrate an understanding and appreciation of the specific psychological characteristics of organic growing.</p> <p>5. Demonstrate an understanding and appreciation of the links between horticulture and psychiatry.</p>	<p>1. Develop and apply their understanding of vocational skills by assessing their:-</p> <p>1.1 Individual profile and prior knowledge or experience.</p> <p>1.2 Processes available to aid and enhance development.</p> <p>1.3 Progress in applying learning.</p> <p>2. Describe and evaluate an organic growing operation with reference to the following criteria:-</p> <p>2.1 Place</p> <p>2.2 Personnel</p> <p>2.3 Project</p> <p>2.4 Purpose</p> <p>3. Outline and explain the links between horticulture and psychology.</p> <p>4. Describe and specify typical psychological attitudes, behaviours and beliefs associated with organic growing.</p> <p>5. Explain the psychiatric relevance and applications of horticulture.</p>

LEARNING OUTCOMES:	ASSESSMENT CRITERIA:
<p data-bbox="60 107 400 143">The Learner will:</p> <p data-bbox="60 203 778 344">6. Demonstrate an understanding and appreciation of the therapeutic benefits of organic growing.</p> <p data-bbox="60 499 767 640">7. Demonstrate an understanding and appreciation of the context for organic growing.</p> <p data-bbox="60 840 759 981">8. Demonstrate an understanding and appreciation of ethical factors relevant to organic growers.</p> <p data-bbox="60 1084 743 1272">9. Demonstrate an understanding and appreciation of pragmatic factors relevant to organic growers.</p> <p data-bbox="60 1330 783 1518">10. Demonstrate an understanding and appreciation of the current and future development of the organic sector.</p>	<p data-bbox="815 107 1161 143">The Learner can:</p> <p data-bbox="815 203 1394 297">6.1 Assess the therapeutic benefits of organic growing.</p> <p data-bbox="815 304 1398 445">6.2 Recommend practices to promote and optimise these benefits.</p> <p data-bbox="815 499 1382 640">7.1 Compare and contrast a variety of organic growing contexts.</p> <p data-bbox="815 647 1517 788">7.2 Assess the appropriateness of methods, scale and quality assurance systems.</p> <p data-bbox="815 840 1493 1028">8. Identify and distinguish between a range of ethical, moral and philosophical factors arising in an organic context.</p> <p data-bbox="815 1084 1434 1225">9. Analyse the practicalities of provision of organic growing activities.</p> <p data-bbox="815 1330 1525 1424">10. Describe and suggest potential opportunities for organic growers.</p>