

DUTY AREAS AND TASKS	NOCTI COMPETENCY FLORICULTURE 3049	NOCTI COMPETENCY LANDSCAPING 3149	NATIONAL SKILL STANDARD (OSHA LANDSCAPING)
A. RETAIL FLORAL OPERATION			
1. Take a Customer's Order	SB1, SB2, SB3, IFD6	N/A	N/A
2. Make Corsages & Boutonnieres	BFD2, BFD3, BFD4, BFD5 BFD6, BFD8	N/A	N/A
3. Make Different Types Of Floral Arrangements and Centerpieces	BFD12, BFD19	N/A	N/A
4. Identify Different Types Of Flowers	BFD14, BFD16	N/A	N/A
5. Identify Different Types Of Foliage	BFD15	N/A	N/A
6. Do Special Occasions Arrangements	BFD7, BFD18 AFD2, BFD17 BFD18, AFD1 AFD5	N/A	N/A
7. Make Wedding Arrangements	AFD3	N/A	N/A
8. Make Funeral Arrangements	AFD4	N/A	N/A
9. Learn the Principles of Floral Arranging	BFD1, IFD4, IFD5	N/A	N/A
10. Make Silk & Dried Floral Arrangements	IFD1, IDF2	N/A	N/A
11. Do Window Displays and Advertise the Product	SB4, SB5, SB6	N/A	N/A
12. Clean Floral Shop and Workroom	SB10, BFD11	N/A	N/A
13. Process Cut Flowers	BFD9, BFD10	N/A	N/A

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14. Price Floral Arrangements	BFD13, SB8, SB9	N/A	N/A
15. Explore Careers in Floral/Greenhouse Industry	SB10	N/A	N/A
B. GREENHOUSE PRODUCTION AND MANGEMENT			
1. Plant Seeds	PS1	GK1	N/A
2. Plant Bulbs Tubers Corms	PS2	GK1	N/A
3. Transplant Seedlings	PS5	GK1	N/A
4. Take Cuttings	PS4	GK2	N/A
5. Stick Cuttings in Media	PS4	GK1	N/A
6. Transplant Cuttings	PS4	GK1	N/A
7. Pinch Flowering Plants	PS3	A3	N/A
8. Disbud Flowering Plants	PS3	GK2	N/A
9. Prune Plants	PS3	A3	N/A
10. Regulate Air Ventilation	PS5	BNGS4	N/A
11. Wrap Plants for Customers	SB2	HBR4	N/A
12. Identify Types of Foliage Plants	BFD15	GK5	N/A
13. Identify Types of Greenhouse Plants	BFD14	GK5	N/A
14. Force Bulbs to Bloom	PS5	GK2	N/A
15. Identify Types of Plant Propagation	PS5	BNGS1	N/A
16. Identify and Correct Plant Disorders	PS6	PM5	1910.133
17. Repair and Maintain a Greenhouse and Equipment	SB10	BNGS2	1926.307 1926.403

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C. PLANT SCIENCE			
1. Identify Plant Insect Pests	PS6	PM1, PM3, A2	N/A
2. Identify Diseases of Plants	N/A	PM1, NA2	N/A
3. Identify Weed Pests	N/A	PM4	N/A
4. Know Pesticide Safety	N/A	PM2	N/A
5. Know how to Control Insects	N/A	PM5	N/A
6. Classify plants	PS1	N/A	N/A
7. Make Irrigation system	N/A	FI1, FI2, FI3	N/A
8. Learn Plant Parts & Function	PS5, PS3	GK2	1910.133
9. Learn Difference Between Sexual & Asexual Reproduction	N/A	PS4	N/A
10. Identify and do Types of Plant Propagation	PS4	GK2	N/A
11. Identify tree growth Characteristics	N/A	A1	N/A
D. NURSERY PRODUCTION			
1. Mix Media Materials	PS5	BNGS4	N/A
2. Mix Fertilizers into Media	PS5	GK4	N/A
3. Plant Seeds	PS4	BNG1	N/A
4. Plant Bulbs	PS4	BNG1	N/A
5. Transplant Seedlings	PS5	GK1	N/A
6. Take Cuttings	PS4	GK5	N/A
7. Stick Cuttings in Media	PS4	GK2	N/A
8. Transplant Cuttings into Pots	PS5	GK2	N/A

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9. Prune Plants	PS5	A3	1910.133
10. Apply Growth Regulator	PS5	GK2	1910.133
11. Apply Liquid Fertilizer	PS5	GK4	1910.133
12. Hand Irrigate Plants	PS5	F11	N/A
13. Identify Plant Disease	PS3	PM1	N/A
14. Identify Plant Insects	PS6	PM1	N/A
15. Report Diseases and Insect Damage	PS6	PM3	N/A
16. Spray Plants for Diseases and Insects	PS6	PM2	1910.133
17. Record Plant Growth and Culture	PS3	GK1	N/A
18. Cultural and Maintenance Practices of Orchards and Grape Harbors	PS5	A3 ,A2	N/A
E. TURF MANAGEMENT			
1. Take Soil Samples and Analyze	N/A	GK3	N/A
2. Learn Types of Grasses	N/A	LTM3	N/A
3. Learn Types of Mowers and How to Operate	N/A	LTM4, LTM2	N/A
4. Learn How to Maintain Mowers	N/A	LTM1	N/A
5. Learn How to Operate Tractor & Rototiller	N/A	GK3	1910.133
6. Turf Grass Culture and Maintenance	N/A	LTM5	N/A
F. SAFETY			
1. Identify Safety Hazards in Floral Shop	BFD10	N/A	1910.133
2. Identify Safety Hazards in Greenhouse	N/A	N/A	1910.133 1910.134
3. Identify Safety Hazards in Nursery	N/A	N/A	1910.133

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4. Identify Safety Hazards Landscaping	N/A	GK4	1910.133 1910.13 1910.95 1910.134
5. Identify Safety Hazards Turf Grass Management	N/A	N/A	1910.133 1910.134
G. LANDSCAPE DESIGN AND MAINTENANCE			
1. Design and Make a Landscaped Site	N/A	LD1, GK6, LD4 LD3, LD5	N/A
2. Planting of Landscape Plants	N/A	LD2, LC5	N/A
3. Determine Costs of Planting a Landscaped Area	N/A	HBR1, HBR2 HBR3	N/A
4. Identify Tools and Equipment used in Landscaping	N/A	LC2	N/A
5. Do Grading with Tractor	N/A	LC1	N/A
H. HYDROPONICS			
1. Mechanics of Hydroponics	N/A	N/A	N/A
2. Fertilizers Used in Hydroponics	N/A	GK3	N/A
3. Plants Used in Hydroponics	N/A	GK3	N/A
4. Harvesting of Hydroponics	PS5	N/A	N/A
5. Culture of Hydroponics	PS5	N/A	N/A
6. Diseases and Pests of Hydroponics	PS6	N/A	N/A

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I. WATERPONDS (GOLDFISH, ETC.)			
1. Plants Used in Water Ponds	N/A	LC3	N/A
2. Construction of Goldfish Pond	N/A	LC3	N/A
3. Raising of Water Pond Fish	N/A	LC3	N/A
4. Raising of Water Garden Plants	N/A	LC3	N/A
J. FFA			
1. Leadership	N/A	N/A	N/A
a. Observe Parliamentary Procedures	SB2	HBR4	N/A
b. Participate in Leadership Contests	SB2	HBR4	N/A
c. Participate in Skill Contests	SB2	HBR4	N/A
d. Complete an Out of School Project SOE in Horticulture	SB2	HBR5	N/A
2. Job Search	N/A	N/A	N/A
a. Prepare a Resume	SB10	N/A	N/A
b. Write a Letter of Application	SB10	N/A	N/A
c. Complete an Application Form for a Job	SB10	N/A	N/A
d. Write a Follow Up Letter After an Interview	SB10	N/A	N/A
e. Select Examples of Proper Conduct During Personal Interviews	SB10	N/A	N/A
f. Select Attitudes Desired by Employers During Interviews	SB2	N/A	N/A
g. Distinguish Between Employer and Employee Expectations	SB10	N/A	N/A
h. Select Information asked for on Application Forms	SB10	N/A	N/A

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