

**Directions:**

Evaluate the student by checking the appropriate number or letter to indicate the degree of competency. The rating for each task should reflect **employability readiness** rather than the grades given in class.

**Rating Scale:**

- 3 Mastered** – can work independently with no supervision
- 2 Requires Supervision** – can perform job completely with limited supervision
- 1 Not Mastered** – requires instruction and close supervision
- N No Exposure** – no experience or knowledge in this area

3	2	1	N	<b>A. The Greenhouse Industry</b>	<b>Notes:</b>
				1. Identify the scope and development of the greenhouse industry.	
				2. Outline career paths and SAE (Supervised Agricultural Experience) opportunities available in the greenhouse industry.	
				Unit: Demonstrate an understanding of the requirements of a position in the greenhouse industry by researching the position and presenting their findings on a poster that will be displayed in class.	
				Other:	

3	2	1	N	<b>B. Growing Structures</b>	<b>Notes:</b>
				1. Distinguish types of greenhouses by materials, structures, and layout.	
				2. Describe how environmental factors in a greenhouse are controlled.	
				3. Identify energy and cost-saving factors in greenhouse structures.	
				Unit: Demonstrate an understanding of greenhouse structures by making an oral presentation in which they will propose a repair or improvement to the school's greenhouse and provide specifics on the materials and costs involved.	
				Other:	

3	2	1	N	<b>C. Plant Science Basics</b>	<b>Notes:</b>
				1. Distinguish plant parts, structures, and functions.	
				2. Identify the growth processes of a plant.	
				3. Distinguish plants by characteristics and purpose.	
				Unit: Demonstrate an understanding of plant science by creating a plant collection in which plants will be identified and labeled as to the type of root, leaf shape, leaf margin, leaf attachment, and venation.	
				Other:	

3	2	1	N	<b>D. Plant Growth</b>	<b>Notes:</b>
				1. Describe environment necessary for optimal plant growth.	
				2. Distinguish components of growing media, their uses, and basic types and sizes of containers.	

				3. Explain factors involved in proper greenhouse irrigation.	
				4. Identify nutrients essential for plant growth and development and signs of deficiency or toxicity.	
				5. Identify the need for fertilizer.	
				Unit: Demonstrate an understanding of the basic plant processes of germination and photosynthesis by conducting a seed germination experiment and writing a summary of their findings.	
				Other:	

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>E. Plant Propagation</b>	<b>Notes:</b>
				1. Demonstrate the correct method for sexual propagation in the greenhouse environment.	
				2. Differentiate between various types of asexual propagation procedures.	
				Unit: Apply principles of plant propagation by properly propagating a plant and describing the process in written form.	
				Other:	

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>F. Plant Health</b>	<b>Notes:</b>
				1. Identify pests and diseases in the greenhouse and factors that contribute to their presence.	
				2. Differentiate between various pest management methods.	
				3. Explain safe usage and application of pesticides.	
				Unit: Demonstrate an understanding of a plant pest and disease by writing a report on each that describes the pest and disease and identifies the control method.	
				Other:	

<b>3</b>	<b>2</b>	<b>1</b>	<b>N</b>	<b>G. Greenhouse Business Management</b>	<b>Notes:</b>
				1. Plan a commercial crop.	
				2. Develop a basic marketing plan.	
				Unit: Apply principles of greenhouse business management by generating a cost analysis and marketing plan for a greenhouse.	
				Other:	