

Green Industry Co-op Project Outline

Description:

This Co-op allows students to learn and work in the field with Industry Professionals in all areas of the Green Industry. Students will complete a project designed and developed in collaboration with the Industry Professional and cooperating teacher. Upon successful completion students will earn Industry credentials and, at the school's discretion, academic credit may be awarded. **Process/Steps**

Step 1: Student meets with Cooperating Teacher to discuss the industry credential area and Community Based Organization (CBO).

Step 2: Cooperating Teacher will schedule a 3 way meeting with CBO and student to review ELO requirements, project assessment and dates.

Step 3: Student obtains required signatures (Parents, Administrator, & ELO Coordinator).

Step 4: Paper work is filed with ELO coordinator and copies made available to student and CBO.

Step 5: ELO mid-term progress and final assessment sign off.

Admissions Criteria:

This ELO is in partnership with the New Hampshire Landscapers Association (NHLA). Students must be employed by a member of the NHLA to receive both credit and industry credentials. You can find a local NHLA member by visiting the [NHLA](https://nhlaonline.org/) website. (<https://nhlaonline.org/>)

Admissions Characteristics:

Specific personal characteristics can make the job of landscaping easier to obtain and keep. Because the work is physically strenuous, stamina to exert the body for several hours while standing, bending or stooping is necessary. Physical strength allows workers to carry heavy bags of fertilizer or soil, and to move rocks and fallen tree trunks, often over uneven terrain. You should be able to lift and carry a minimum of 60 pounds. Many groundskeepers work in groups, so good teamwork and cooperation are essential. Finally, workers must have self-motivation and the ability to operate independently because they may be isolated on a large property with little supervision. In general a person in this field would spend 66% or more conducting one or more of the following physical activities: standing, walking, sitting, Use Hands to finger, handle or feel, climb or balance, stoop, kneel, crouch, or crawl.

Assessment

Experiences will be designed to help students demonstrate competencies required to attain the target industry credential. (see **Measurable Goals As defined by NHLA on page 3**). Student will maintain a weekly field journal documenting their experience toward achieving these goals. Documentation can take the form of journal entries, observation, evidence of research, photographs, e-mails from CBO, etc.

Assessment happens at two junctures in the ELO experience: At mid-point and Final/Completion.

Student performance is assessed, with a rating 1-4, with respect to each of the competencies within the sought after credential. Both the student and supervisor assign a rating on each measurable goal. The student must also write a short reflection on their performance.

Rating Scale:

1= NO EXPOSURE;

2 = NOVICE (Information was covered in class, but student cannot demonstrate skill or knowledge without significant supervision);

3 = PROFICIENT (Student regularly demonstrates the knowledge or skill);

4= MASTERY (Student demonstrates successful completion of this skill numerous times without supervision.)

Student name: _____ School: _____

Supervisor: _____
 Outcomes to be demonstrated: **Mid-Term Assessment**

<u>CO- OP Topic</u>	<u>Micro Credential</u>	<u>NH Dept. of Education/CTE (Related Core Competency)</u>	<u>Student's Measurable Goals As defined by NHLA</u>	<u>CBO Rating 1-4</u>	<u>CBO Initials</u>	<u>Student Rating 1-4</u>	<u>Student initials</u>
Irrigation	Installation	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student can select, install and adjust sprinklers to meet the watering needs of the site. b. Student can make water tight connection between pipe and fittings. c. Student can properly wire valves adhering to employer standards				
	Service	Understand and apply the concepts, techniques, and strategies of entrepreneurship/business owner to make sound business decisions.	a. Student can identify broken components, and improperly functioning components, and adjust sprinklers. b. Student can select, install and adjust sprinklers to meet the watering needs of the site. c. Student understands site characteristics that influence watering times.				
	Proper Scheduling	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student recognizes seasonal weather patterns and their effect on water needs				
	Equipment Knowledge	Understand the proper selection, use and maintenance of tools and equipment.	a. Student can safely use equipment following employer guidelines, to include machinery, personal protective equipment, and technology in all areas of industry.				

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Student name: _____ School: _____

Supervisor: _____
 Outcomes to be demonstrated: **Final Assessment**

<u>CO- OP Topic</u>	<u>Micro Credential</u>	<u>NH Dept. of Education/CTE (Related Core Competency)</u>	<u>Student's Measurable Goals As defined by NHLA</u>	<u>CBO Rating 1-4</u>	<u>CBO Initials</u>	<u>Student Rating 1-4</u>	<u>Student initials</u>
Irrigation	Installation	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student can select, install and adjust sprinklers to meet the watering needs of the site. b. Student can make water tight connection between pipe and fittings. c. Student can properly wire valves adhering to employer standards				
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	Proper Scheduling	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student recognizes seasonal weather patterns and their effect on water needs				
	Equipment Knowledge	Understand the proper selection, use and maintenance of tools and equipment.	a. Student can safely use equipment following employer guidelines, to include machinery, personal protective equipment, and technology in all areas of industry.				

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