

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**

Outcomes to be demonstrated:

<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>
Landscape Construction	Planting Technique	Understand taxonomic and other classifications of plants to build a working understanding of functional differences.	a. Student demonstrates proper staking following employer guidelines. b. Student digs planting hole according to industry standards and installs plant at correct depth.				
	Drainage	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student demonstrates accurate use of transit/laser for establishing elevations. b. Student can follow and implement the landscape plan. c. Student understands basic drainage concepts.				
	Site Evaluation	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student demonstrates ability to set up job. b. Student understands natural and cultural elements such as soils, wind exposure and sun. c. Student demonstrates knowledge of staging				
	Knowledge Of Soils	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student demonstrates basic composition of soils and aggregates. b. Student demonstrates how to amend soil and why. c. Student recognizes soil structures and their properties. d. Student understand soils can be amended to improve plant growth				
	Equipment Knowledge	Understand the proper selection, use and maintenance of tools and equipment.	a. Student can demonstrate proper maintenance, and storage of tools/equipment, to include machinery, personal protective, following employer guidelines. b. Student demonstrates ability to follow company safety procedures.				

	Hardscape Installation	Understand and apply design principles to enhance an environment for a variety of purposes.	a. Student can implement personal and employer jobsite safety rules and regulations to maintain safe and healthful working conditions and environments. b. Student recognizes importance of sub-base, drainage and grades. c. Student follows employer methods for installation of base.				
	Sodding & Hydro-seeding	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student can implement personal and employer jobsite safety rules and regulations to maintain safe and healthful working conditions and environments. b. Student demonstrates understanding of staging and sequencing. c. Student demonstrates proper sod installation, ie: cutting in edging, irrigation heads, watering.				

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Outcomes to be demonstrated: **Final Assessment**

Outcomes to be demonstrated:

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