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 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**

CO-OP Topic	Micro Credential	NH Dept. of Education/CTE (Related Core Competency)	Student's Measurable Goals As defined by NHLA	CBO Rating 1-4	CBO Initials	Student Rating 1-4	Student Initials
Arborist	Pruning	Understand the fundamentals of the production, culture, harvesting and maintenance of plants to demonstrate successful plant management techniques.	a. Proper Pruning Technique b. Understand the proper selection, use and maintenance of tools and equipment. c. Pruning Safety				
	Tree Removal	Understand and apply safety regulations, procedures, and methods to have a safe work environment.	a. Student can identify and use the correct tool(s) to properly complete the task at hand. b. Student demonstrates proper techniques for removing trees. c. Student can implement personal and employer jobsite safety rules and regulations to maintain safe and healthful working conditions and environments.				
	Tree Growth	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student understands the elements of plant anatomy, physiology, and the functions of plant structures to activities associated with plant systems. b. Student can identify insect, human and environmental impacts on the health of a tree.				
	Taxonomy	Understand taxonomic and other classifications of plants to build a working under-standing of functional differences.	a. Student can classify plants according to taxonomy systems.				

Assessment 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: **Final Assessment**

CO-OP Topic	Micro Credential	NH Dept. of Education/CTE (Related Core Competency)	Student's Measurable Goals As defined by NHLA	CBO Rating 1-4	CBO Initials	Student Rating 1-4	Student Initials
Arborist	Pruning	Understand the fundamentals of the production, culture, harvesting and maintenance of plants to demonstrate successful plant management techniques.	a. Proper Pruning Technique b. Understand the proper selection, use and maintenance of tools and equipment. c. Pruning Safety				
	Tree Removal	Understand and apply safety regulations, procedures, and methods to have a safe work environment.	a. Student can identify and use the correct tool(s) to properly complete the task at hand. b. Student demonstrates proper techniques for removing trees. c. Student can implement personal and employer jobsite safety rules and regulations to maintain safe and healthful working conditions and environments.				
	Tree Growth	Understand how the influence of environmental factors, nutrients and growing media on plant growth impacts the production and management of plants.	a. Student understands the elements of plant anatomy, physiology, and the functions of plant structures to activities associated with plant systems. b. Student can identify insect, human and environmental impacts on the health of a tree.				
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