



AGRICULTURAL WINTER FAIR

Ontario Curriculum Connections

Subject: Green Industries

Course Code: THJ2O

Features	Grade	Curriculum Expectations
Education Ring and Education Centres throughout The Fair including Farm to Table Discovery Zone	A1.1	- describe the key distinguishing characteristics of different plant and/or animal groups (e.g., shrubs, trees, annuals, flowers, animal breeds) Go to NatureFresh's mobile greenhouse. Determine the distinguishing characteristics between barley and oat field crops at the field crop display.
	A1.2	- identify the basic components of common plants and/or animals and describe their functions (e.g., leaves, flowers, bark, internal organs); View the crops in the field crop display. Draw and label a diagram of either wheat, oat and barley sheave crops.
	A1.3	-describe important physiological processes in plants and/or animals (e.g., germination, photosynthesis, reproduction, digestion)elated to the impact of the extraction/ harvesting and/or use of natural resources around the world from a geographic perspective Discuss the environmental impact of harvesting wheat in the field crop display.
	A2.1	describe environmental factors that affect growth and post-harvest quality (e.g., light, temperature, soils, nutrients, water, wind); Visit Live Green Toronto's booth and discuss the environmental factors that may affect the quality of harvest in urban gardens.

	A2.2	<p>describe biological factors that affect growth and post-harvest quality (e.g., plant type, photosynthesis, genetics);</p> <p>Visit Live Green Toronto's booth and what plant types can be grown in small urban spaces.</p>
	A2.3	<p>identify a variety of pests and diseases (e.g., Asian long-horned beetle, thrips, grubs, moles, Dutch elm disease, mastitis, hoof-and-mouth disease) and describe their effects on plants and/or animals</p> <p>Visit Live Green Toronto's booth and discuss what pests to be aware of when starting an urban garden. Are there natural ways to eliminate these pests?</p>
	A3.3	<p>demonstrate an understanding of a variety of processes used in plant and/or animal care (e.g., plant growth experiments, propagation, pruning, sheep shearing); Watch a sheep shearing demonstration at the Education Ring.</p>
	A4.1	<p>identify sources of information about techniques and best practices in the green industries</p> <p>Visit the Farm and Food Care Ontario booth and receive a copy of "The Real Dirt on Farming" What techniques and best practices are written in the magazine?</p>
	B1.2	<p>identify best management practices, environmentally sustainable practices, and technologies that can be used to reduce the harmful effects of green industry operations</p> <p>Visit OFVGA and learn about their initiatives to protect the environment.</p>
	C1.2	<p>identify local green industries and describe their activities or products within a specific region. Visit the various food vendors at the Royal and discuss where the ingredients in the food originated from and what</p>

		<p>green industries are involved in making them.</p>
	D2.1	<p>describe career opportunities in a variety of sectors in the green industries and the education, training, and certification required for employment in green industry occupations</p> <p>Attend the Trent High School seminars to discuss the education/career opportunities in the agriculture field.</p>
	D2.2	<p>identify ways of acquiring knowledge and experience in green industry occupations</p> <p>Attend the Trent High School seminars to discuss the education/career opportunities in the agriculture field.</p>
	D2.3	<p>identify groups and programs that are available to support students who are interested in pursuing non-traditional career choices in the green industries</p> <p>Attend the Trent High School seminars to discuss the education/career opportunities in the agriculture field.</p>