

# WESTERN TECHNICAL - COMMERCIAL SCHOOL COURSE OUTLINE



**COURSE TITLE:** Green Industries

**CODE:** THJ20

**SUBJECT AREA:** Technology Education

**RESOURCES:** [www.mfranzen.ca](http://www.mfranzen.ca)

**TEACHER NAME:** Mr. Franzen & Mr. Bradley

**DATE:** Feb. 2014

**PREREQUISITE:** None

**COURSE COST  
MATERIAL FEE:** None

## COURSE DESCRIPTION:

This course introduces students to the various sectors of the green industries – agriculture, forestry, horticulture, floristry, and landscaping. Using materials, processes, and techniques commonly employed in these industries, students will participate in a number of hands-on projects that may include plant or animal propagation; production, maintenance, and harvesting activities; the development of floral or landscaping designs; and/or related construction activities.

Students will also develop an awareness of environmental and societal issues related to green industry activities, learn about safe and healthy working practices, and explore secondary and postsecondary education and training pathways and career opportunities in the various industry sectors.

## COURSE DESTINATION: OPEN, WITH RELATED AREAS SUCH AS CONSTRUCTION, LANDSCAPING, AND FARMING

## COURSE UNITS:

Unit	Description	Length	Evaluation Strategies
1	Introduction, industry safety poster	3 Weeks	Online activities, research, assignments, quiz, practical
2	Sector explanation, related career research, and presentation	2 Weeks	Research, assignments, online presentations, quiz
3	Plant identification, classification, environment, design, and build a planter for the home indoor/outdoor use	3 Weeks	Research, assignments, observation of hands-on practical activities, quiz
4	Animal identification, classification, environment, design, and build a bird feeder or house for outdoor use	3 Weeks	Research, assignments, observation of hands-on practical activities, quiz
5	Landscape - materials, components, environment, maintenance, support, and design of personal plot	3 Weeks	Research, assignments, observation of hands-on practical activities, quiz
6	Research and present biotic and abiotic eco interactions	2 Weeks	Research and presentation

**OVERALL EXPECTATIONS:** By the end of the course students will...

**A1. demonstrate an understanding of plant and/or animal biology and species classification as they relate to the green industries;**

**A2. describe the factors affecting the growth and care of plants and/or animals;**

**A3. demonstrate an understanding of design procedures and applications and production processes and systems as they relate to the green industries;**

**A4. demonstrate competence in the use of mathematical, documentation, and communication skills as they apply to the green industries.**

**B1. apply effective design and production practices as they relate to a variety of green industries;**

**B2. demonstrate competence in applying introductory technical skills used in the green industries.**

**C1. identify the impact of green industries on the environment and describe ways of minimizing harmful effects;**

**C2. describe the societal implications of current practices and trends in the green industries;**

**C3. describe the relationship of a variety of green industries to the local communities in which they operate.**

**D1. demonstrate an understanding of and comply with occupational health and safety standards;**

**D2. identify careers in the green industries and describe the skills, education, and training required for entry into these positions.**

## CLASSROOM EXPECTATIONS

- Come to class on time and be prepared and willing to actively participate in every lesson.
- Treat others with respect and courtesy.
- Ask the teacher for extra help if needed.
- Take the initiative, be a team player, co-operative with peers, complete homework, and make your best effort.
- A focus on student project-driven teams learning and innovating to solve challenging problems and come up with working solutions, while gaining new knowledge, skills, experiences, and understanding of this field area.
- Bring a 3-ring binder with paper, pen, pencil, ruler, calculator, and minimum 1 GB flash memory stick.
- Hand all work in, to Instructor with last initial, first name, date, and a topic/title whether in paper or electronic format.

## ATTENDANCE MISSED TESTS AND EVALUATIONS

- Bring a note from parents the day after an absence to explain the absence.
- Be aware that a mark of zero will be assigned to students who miss presentations, tests or assignments without a valid explanation. It is the student's responsibility to make arrangements, ahead of time, for any evaluations that are missed. If a student misses an evaluation for an unforeseen reason such as illness or family emergency, the student must bring a note signed by a parent or guardian and be prepared to write/make-up the evaluation immediately upon return to school.

## ACADEMIC INTEGRITY

- Plagiarism and/or copying will result in a mark of **zero** for everyone involved. Further action may be taken including suspension from school. Teachers will clearly define and discuss consequences of plagiarism with students at the beginning of each semester.

## LATE ASSIGNMENTS

- All assignments must be handed in to the teacher on the due date. Late marks will be deducted from assignments handed in past the due date but prior to the cut off date.
- A mark of zero will be given to the student if the assignment is handed in after the cut-off date.

## MISSED EXAMINATIONS

- Students are required to write all scheduled examinations. A student who misses any examination due to illness must present a medical note, stating that the doctor was aware that a medical reason prevented the student from writing the exam.

## TEACHING/ASSESSMENT/EVALUATION STRATEGIES

**Learning Activities:** Hands-on-activities, demonstrations, presentations, videos, illustrations, tutorials, field trips, computers, practical projects

**Culminating Activities:** Written exam and project work

## EVALUATION OF STUDENT ACHIEVEMENT

Student achievement is measured relative to curriculum expectations across four weighted Achievement Categories (Knowledge/Understanding, Thinking/Inquiry, Communication, and Application).

**Term Work:** 70% (Knowledge/Understanding, Thinking/Inquiry, Communication, Application)

**Culminating Activities:** 30% Written exam and project work

**Learning Skills:** including: Responsibility, Organization, Independent Work, Collaboration, Initiative, and Self-Regulation are evaluated on each Report Card as: **E** (excellent); **G** (good); **S** (satisfactory); or **N** (needs improvement).

WESTERN TECHNICAL-COMMERCIAL SCHOOL  
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Teacher's Signature

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Student's Signature

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Parent's Signature