

	Grade 9 Exploring Construction Technology and the Skilled Trades TCJ10	Inspired Education. Inspiring Students.
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Teacher: **Teacher Name**

Prerequisite Course: None

Description and Overall Expectations: This exploratory course introduces students to concepts and skills in construction technology, which encompasses plumbing, electrical and network wiring, masonry, heating/ cooling, carpentry, and woodworking. Students will develop an awareness of related environmental and societal issues, and will begin to explore secondary and postsecondary pathways leading to careers in the field.

Technology Fundamentals: demonstrate an understanding of the fundamental concepts and skills required in the planning and development of a product or service, including the use of a design process and/or other problem-solving processes and techniques; demonstrate the ability to use a variety of appropriate methods to communicate ideas and solutions; evaluate products or services in relation to specifications, user requirements, and operating conditions.

Technological Skills: use problem-solving processes and project-management strategies in the planning and fabrication of a product or delivery of a service; fabricate products or deliver services, using a variety of resources.

Technology, the Environment, and Society: demonstrate an awareness of the effects of various technologies on the environment; demonstrate an awareness of how various technologies affect society, as well as how society influences technological developments.

Professional Practice and Career Opportunity: follow safe practices and procedures when using materials, tools, and equipment; identify careers in various technological fields, and describe the educational requirements for them.

Course Resources: Key resource(s) along with supplementary resources / digital tools and sites / passwords; include replacement cost for resources if lost/damaged.

Catholic Graduate Expectations: Our goal for all students is to experience an education based on our Catholic Graduate Expectations. (<http://www.iceont.ca>) We work in community to develop graduates that are:

- Discerning Believers Formed in the Catholic Faith Community
- Effective Communicators
- Reflective and Creative Thinkers
- Self-Directed, Responsible, Life-Long Learners
- Collaborative Contributors
- Caring Family Members
- Responsible Citizens

Assessment, Evaluation and Reporting: The primary purpose of assessment and evaluation is to improve student learning. Students will understand what is expected of them, using learning goals, and success criteria, based on the overall expectations. Feedback (self, peer, teacher) supports learning, and plays a critical role in academic achievement and success.

The development of learning skills and work habits is a key indicator of future success. The following learning skills and work habits will be developed, assessed, and reported during this course:

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| 1. Responsibility | fulfills responsibilities and commitments (<i>e.g. accepts and acts on feedback</i>) |
| 2. Organization | manages time to complete tasks and achieve goals (<i>e.g. meets goals, on time</i>) |
| 3. Independent work | uses class time appropriately to complete tasks (<i>e.g. monitors own learning</i>) |
| 4. Collaboration | works with others, promotes critical thinking (<i>e.g. provides feedback to peers</i>) |
| 5. Initiative | demonstrates curiosity and an interest in learning (<i>e.g. sets high goals</i>) |
| 6. Self-Regulation | sets goals, monitors progress towards achieving goals (<i>e.g. sets, reflects goals</i>) |

Group work supports collaboration, an important 21st century skill. This will be assessed only as a learning skill. Homework may also be assessed as a learning skill. Evaluation completed in class will be based only on individual student work. Regular attendance is important to support group work, various forms of feedback, and to allow students to demonstrate evidence of their learning. Students are responsible for providing evidence of their own learning (with references where required), in class, within given timelines. Next steps in response to academic integrity issues, such as lack of work completion, plagiarism, or other forms of cheating, range from providing alternate opportunities, to a deduction of marks.

The achievement chart identifies four levels, based on achievement of the overall expectations:

Level 1	achievement falls below the provincial standard	(50-59%)
Level 2	achievement approaches the provincial standard	(60-69%)
Level 3	achievement is at the provincial standard	(70-79%)
Level 4	achievement surpasses the provincial standard	(80-100%)

The report card grade will be based on evidence of student performance, including observations, conversations and student products. Consideration will be given to more recent evidence (skill development) and the most consistent level of achievement.

Mark Breakdown:

Term Work (70%) will include a variety of assessment tasks designed to demonstrate students' development in their knowledge and understanding, thinking and inquiry, communication and application, of all overall expectations.

Summative evaluation (30%) takes place towards the end of the semester, is completed in class, and provides the final opportunity for students to demonstrate what they know, and the skills they have learned, based on the overall expectations. In Construction Technology TCJ10, the summative evaluation will consist of a rich summative assessment task (30%).

Awarding of Course Credit: Students who demonstrate evidence of achievement of overall expectations, **and** earn a mark of 50% or greater, will earn one credit for the course with the following exception:

Students who do not complete their summative evaluation (exam and/or end of year summative task) will not earn their credit regardless of their mark.

Student and Parent/Guardian Acknowledgement

We have read the above course outline and are aware of the student responsibilities to attend class on a regular basis and to provide evidence of learning within the established timelines.

Student's Name (print): _____ Student's Signature: _____

Parent/Guardian Name (print): _____ Parent/Guardian Signature: _____