

TECHNOLOGICAL EDUCATION

Course Expectations Regarding Occupational Health and Safety (OHS)

General Considerations for Program Planning: Health and Safety

Health and safety are of paramount importance in technological education programs. As part of every course, students must be made aware that health and safety are everyone's responsibility – at home, at school, and in the workplace. Before using equipment, students must be able to demonstrate knowledge of the equipment being used and the procedures necessary for its safe use. Personal protective gear should be worn as appropriate.

Classroom practice and the learning environment should comply with relevant municipal, provincial, or federal health and safety legislation, including the following:

- the Workplace Safety and Insurance Act
- the Workplace Hazardous Materials Information System (WHMIS)
- the Food and Drug Act
- the Health Protection and Promotion Act
- the Ontario Building Code
- the Occupational Health and Safety Act
- local by-laws

Grade 9

Integrated Technologies Grade 9, Open (TTI1O)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Impact and Consequences Apply safety standards when using materials, tools and equipment. (OE)	Societal	Section I: pg. 9

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Impact and Consequences Identify the safety features of tools, materials, and electrical components; use appropriate strategies to avoid potential health and safety problems. (SE)	Ergonomics Physical	Section I: pgs. 2-6, 10-11 & 12-17 Section I: pgs. 18-21

Grade 10

Communications Technology Grade 10, Open (TGJ20)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Observe safety rules and regulations. (OE) Apply health and safety standards when using products and materials. (SE)	Societal	Section II: pgs. 30-32
Operate equipment safely (SE)	Ergonomics Physical	Section II: pgs. 21-28, 30- 31 & 32-35 Section II: pgs. 27-41

Computer and Information Science Grade 10, Open (TIK20)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Use appropriate strategies to prevent potential health and safety problems associated with computer use, such as posture problems, eyestrain, and musculoskeletal injuries. (SE)	Ergonomics Physical	Section II: pgs 21-28, 30-31 & 32-35 Section II: pgs. 27-41

Computer Engineering Technology Grade 10, Open (TEE20)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Use appropriate strategies to avoid potential health and safety problems associated with	Ergonomics	Section II: pgs 21-28, 30-31 &

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
computer use, such as posture problems, eyestrain, and musculoskeletal injuries. (SE)		32-35
Use safe practices in the handling of computer hardware and electronic components. (SE)	Physical	Section II: pgs. 27-41

Construction Technology Grade 10, Open (TCJ20)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Explain the purpose of building codes in relation to health and safety. (SE)	Chemical	Section II: pg. 37
Explain the impact and application of health and safety laws and regulations. (SE)	Societal	Section II: pgs. 30-32
Apply safety standards as they relate to processes, materials, tools, and equipment in the construction industry. (OE)	Physical	Section II: pgs. 27-41
Apply health and safety standards related to materials, processes, tools, and equipment. (SE)	Ergonomic	Section II: pgs. 21-28 & 32-35
Identify the qualities of effective heating, ventilation, and lighting systems. (SE)		

Health and Personal Services Technology Grade 10, Open (TPJ20)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Apply personal, health, and workplace safety regulations in handling materials, tools, and equipment. (SE)	Biological	<i>optional</i> Section II: pgs.12-20
	Chemical	Section II: pg. 37
	Ergonomics	Section II: pgs. 21-28 & 32-35
	Physical	Section II: pgs. 27-40
	Societal	Section II: pgs. 27-29

Hospitality and Tourism Technology Grade 10, Open

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
<p>Explain health and safety standards as they relate to processes, materials, tools, and equipment in the hospitality and tourism industry. (OE)</p> <p>Demonstrate the ability to apply personal, health, and workplace safety regulations in the handling of equipment and materials. (SE)</p>	<p>Physical</p> <p>Societal</p>	<p>Section II: pgs. 27-41</p> <p>Section II: pgs. 27-29</p>
<p>Apply industry standards related to personal and workplace hygiene. (OE)</p> <p>Theory and Foundation (SE) Demonstrate an understanding of safe food-handling procedures.</p>	<p>Biological</p>	<p>Section II: pgs. 19-20</p>
<p>Explain the impact and application of health and safety laws and regulations (SE)</p>	<p>Societal</p>	<p>Section II: pgs. 27-29</p>

Manufacturing Technology Grade 10, Open (TMJ20)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
<p>Explain health and safety standards as they relate to processes, materials, tools, and equipment in the manufacturing industry. (OE)</p> <p>Apply personal, health and safety regulations in the handling of equipment and materials. (SE)</p>	<p>Chemical</p> <p>Ergonomics</p> <p>Physical</p> <p>Societal</p>	<p>Section II: pg. 37</p> <p>Section II: pgs. 21-28 & 32-35</p> <p>Section II: pgs. 27-40</p> <p>Section II: pgs. 30-32</p>

Technological Design Grade 10, Open (TDJ20)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
<p>Apply safety standards when using materials, tools, and equipment. (OE)</p>	<p>Ergonomics</p>	<p>Section II: pgs. 21-28 & 32-35</p>

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Use appropriate strategies to prevent potential health and safety problems. (SE) Identify the safety features of tools, materials, and processes. (SE)	Physical	Section II: pgs. 27-40

Transportation Technology Grade 10, Open (TTJ2O)

MINISTRY OF EDUCATION COURSE EXPECTATIONS	MODULE	SECTION & PAGE
Theory and Foundation Identify current safety standards in transportation and secondary industries. (SE)	Societal	Section II: pgs. 29-31
Impact and Consequences Apply health and safety standards related to materials, processes, and equipment. (OE)	Societal	Section II: pgs. 30-32
	Physical	Section II: pgs. 27-40
Impact and Consequences Describe health and safety regulations for the handling of tools, fuels, materials, and equipment. (SE)	Chemical	<i>Optional</i> Section II: pgs. 27-35
	Societal	Section II: pgs. 30-32

Note: OE and SE : *Overall Expectations and Specific Expectations*