

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

	MINISTRY OF EDUCATION COURSE EXPECTATIONS	<i>LIVE SAFE! WORK SMART!</i>	
		MODULE	SECTION & PAGE
Grade 9			
Integrated Technologies Grade 9, Open (TTI10)			
	Impact and Consequences Apply safety standards when using materials, tools and equipment. (OE)	Societal	Section I: pg. 9
	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	Section I: pgs. 2-6, 10-11 & 12-17
		Physical	Section I: pgs. 18-21

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	MINISTRY OF EDUCATION COURSE EXPECTATIONS	<i>LIVE SAFE! WORK SMART!</i>	
		MODULE	SECTION & PAGE
Grade 10			
Communications Technology Grade 10, Open (TGJ2O)			
	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	Section II: pgs. 21-28, 30-31 & 32-35
		Physical	Section II: pgs. 27-41
Computer and Information Science Grade 10, Open (TIK2O)			
	Use appropriate strategies to prevent potential health and safety problems associated with computer use, such as posture problems, eye strain, and musculoskeletal injuries. (SE)	Ergonomics	Section II: pgs 21-28, 30-31 & 32-35
		Physical	Section II: pgs. 27-41
Computer Engineering Technology Grade 10, Open (TEE2O)			
	Use appropriate strategies to avoid potential health and safety problems associated with computer use, such as posture problems, eye strain, and musculoskeletal injuries. (SE)	Ergonomics	Section II: pgs. 21-28, 30-31 & 32-35
		Physical	Section II: pgs. 27-41

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Grade 10			
Construction Technology Grade 10, Open (TCJ2O)			
	<p>Explain the purpose of building codes in relation to health and safety. (SE)</p> <p>Explain the impact and application of health and safety laws and regulations. (SE)</p> <p>Apply safety standards as they relate to processes, materials, tools, and equipment in the construction industry. (OE)</p> <p>Apply health and safety standards related to materials, processes, tools, and equipment. (SE)</p> <p>Identify the qualities of effective heating, ventilation, and lighting systems. (SE)</p>	Chemical	Section II: pg. 37
		Societal	Section II: pgs. 30-32
		Physical	Section II: pgs. 27-41
		Ergonomic	Section II: pgs.21-28 & 32-35
Health and Personal Services Technology Grade 10, Open (TPJ2O)			
	<p>Apply personal, health, and workplace safety regulations in handling materials, tools, and equipment. (SE)</p>	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

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Hospitality and Tourism Technology Grade 10, Open			
	Explain health and safety standards as they relate to processes, materials, tools, and equipment in the hospitality and tourism industry. (OE) Demonstrate the ability to apply personal, health, and workplace safety regulations in the handling of equipment and materials. (SE)	Physical	Section II: pgs. 27-41
		Societal	Section II: pgs. 27-29
	Apply industry standards related to personal and workplace hygiene. (OE) Theory and Foundation (SE) Demonstrate an understanding of safe food-handling procedures.	Biological	Section II: pgs. 19-20
	Explain the impact and application of health and safety laws and regulations (SE)	Societal	Section II: pgs. 27-29
Manufacturing Technology Grade 10, Open (TMJ2O)			
	Explain health and safety standards as they relate to processes, materials, tools, and equipment in the manufacturing industry. (OE) Apply personal, health and safety regulations in the handling of equipment and materials. (SE)	Chemical	Section II: pg. 37
		Ergonomics	Section II: pgs. 21-28 & 32-35
		Physical	Section II: pgs. 27-40
		Societal	Section II: pgs. 30-32

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Technological Design Grade 10, Open (TDJ2O)			
	Apply safety standards when using materials, tools, and equipment. (OE)	Ergonomics	Section II: pgs. 21-28 & 32-35
	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)			
	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*