

SECONDARY TEACHER RESOURCE GUIDE

2022 VIRTUAL SKILLS ONTARIO **COMPETITION** & CAREER EXPLORATION SHOWCASE

May 3, 2022

9:00 am - 3:30 pm (EST)

#VSOC2022



TABLE OF CONTENTS

TOPIC	DESCRIPTION	PAGE NUMBER
Curriculum Expectations	 Overall expectations from the Ontario Curriculum have been included to use as a guide when integrating the activities of the event into their classroom  Expectations for Co-operative Education, Guidance and Career Education and Technological Education have been included.  Teachers are encouraged to review additional curriculum expectations and integrate other expectations where they may see fit.	3
Pre-Event Activities	 Students can research the various careers in the skilled trades using the Skills Ontario App, the Skills Ontario Career Profile Videos, or Job Talks Videos	4-6
Event Activities	 Students will be able to listen and be engaged during the event conferences	7
Post-Event Activities	 After the event there are several activities that teachers will be able to use to continue to engage their students	8

CURRICULUM EXPECTATION

COOPERATIVE EDUCATION		
Grade	Strand	Description
11-12	🔧 Preparing and Planning for the Experience	🔧 By planning and preparing for their co-op placement, this event will allow them to be aware of what might be expected of them during their placements
	🔧 Skills for the Future	🔧 Students will be able to reflect on the knowledge and skills they gained in their co-op placements and learn how they will be useful in the careers they learned about during the event
	🔧 Exploration and Investigation	🔧 Students will be able to use this event to further research and gather information related to the skilled trades and technology careers and their co-op placements
	🔧 Decision Making	🔧 Through working at their co-op placement and further learning about these career opportunities, students can make decisions of where they want to go for their education and what they would like to pursue as a career

GUIDANCE AND CAREER EDUCATION		
Grade	Strand	Description
9-12	🔧 Learning Skills	🔧 By participating in the event, students will gain knowledge about a variety of careers, and skills that are required to be successful in their life and career goals.
	🔧 Personal Knowledge and Management Skills	
	🔧 Interpersonal Knowledge and Skills	🔧 Students will be able to reflect on their personal strengths and interests to determine if a trade is right for them
	🔧 Exploration of Opportunities	
	🔧 Essential Skills for Working and Learning	🔧 Students will learn about different ways to prepare themselves for their future stages and roles in their life, including future careers and educational pathways
	🔧 Preparation for Transitions and Change	
	🔧 Developing the Skills, Strategies, and Habits Needed to Succeed	🔧 Students will learn about financial aid opportunities (scholarships and bursaries that are available to them)
	🔧 Exploring and Preparing for the World of Work	
	🔧 Planning and Financial Management to Help Meet Postsecondary Goals	

TECHNOLOGICAL EDUCATION		
Grade	Strand	Description
9-12	Professional Practice and Career Opportunities	🔧 By participating in the Skills Ontario Competition activities, students will be able to develop an understanding of health and safety standards in the industry, professional concerns and issues, and the Essential Skills and work habits valued in the sector and explore career opportunities and the education and training required for them.

PRE-EVENT ACTIVITY

OPTIONAL PRE-EVENT RESEARCH ACTIVITY

Have students research different skilled trades and technology careers using one or both of the sources below:

1. Use the Skills Ontario App: https://www.youtube.com/watch?v=AtpT6_zlTkc



2. Watch various Skilled Trades Career Profiles on the Skills Ontario YouTube Chanel:

 <https://www.youtube.com/user/SkillsOntario/videos>

SkillsCompétences
Canada Ontario

Name: _____

Date: _____

Virtual Skills Ontario Competition - Pre-Event Research Activity

Instructions: Using one of the options mentioned from your teacher, research different Skilled Trades Careers and complete the following activity

CAREER 1

Skilled Trade Career Title:

Description of the Career:

Career Salary:

Name one thing you found interesting about this career:

CAREER 2

Skilled Trade Career Title:

Description of the Career:

Career Salary:

Name one thing you found interesting about this career:

CAREER 3

Skilled Trade Career Title:

Description of the Career:

Career Salary:

Name one thing you found interesting about this career:

CAREER 4

Skilled Trade Career Title:

Description of the Career:

Career Salary:

Name one thing you found interesting about this career:

EVENT ACTIVITIES

Things To Do At This Event

-  Watch one of our conferences to hear from Trades Professionals
-  Visit College and Industry Virtual Booths, explore information & engage in text based chat to ask questions about careers in skilled trades & technologies
-  For full event details and activities click [HERE](#)

Sample Questions to Ask COLLEGE Representatives

-  What is one piece of advice you would give to students who are looking to go to college?
-  What support services are available for students (academic advisers, tutors, etc.)?
-  Are there any financial supports for students other than OSAP offered for students who need assistance for food, transportation etc.?
-  What courses in the trades offer workplace placements in the field?
-  How many hours of class do students typically have each week? How much homework outside of class?
-  What trade programs are most popular at your school?
-  Are there any unique programs for the Skilled Trades at your college?
-  Is there a program where I can try out a college course before I go there?
-  What do typical college trades programs look like?
-  Why do students pick college as a pathway?
-  How do you help students prepare for college?
-  What are the most popular clubs and activities?

Sample Questions to Ask INDUSTRY PARTNERS

-  What Skilled Trades Careers do you hire most often?
-  What Skilled Trades are the highest demand in your workplace?
-  What type of education training is required for these careers?
-  What is one piece of advice to those who are looking to get into the trades?
-  How many of the tradespeople/apprentices are female at your organization?
-  How have you seen the trades evolve with the use of technology?
-  Are there many opportunities for advancement at you organization?
-  What skills or characteristics are most important to those who work in your organization?
-  What are the primary job responsibilities at your organization?
-  What courses should students take in high school to help them in this field?
-  What do people who work for you say is the most rewarding part of their career?

POST-EVENT ACTIVITIES

-  Complete Survey at: skillsontario.com/vsoc (Available May 4th)
-  Watch the 2022 Virtual Skills Ontario Competition Closing Ceremony LIVE on May 4, 2022 at 9:30am EST. Click [HERE](#) for the link.
-  Book a Skills Ontario Presentation: *see Appendix A*
-  Students can continue to explore the 140+ skilled trades using the:
 - a. Skills Ontario Mobile App and websites previously provided
 - b. OYAP Poster: *see Appendix B*



VIRTUAL PRESENTATIONS PRÉSENTATIONS VIRTUELLES



Book a presentation
to explore **skilled trade
and technology careers!**
Réservez une présentation
pour explorer **les carrières
dans les métiers spécialisés
et les technologies!**

Join us for presentations that are tailored for students, parents/guardians, and Indigenous youth!

Rejoignez-nous pour des présentations adaptées aux élèves, aux parents/tuteurs et aux jeunes autochtones!

Discover the benefits of careers in the skilled trades and technologies and take visual tours of the careers that interest you or your child(ren)!

Découvrez les avantages des carrières dans les métiers spécialisés et les technologies et participez à des visites visuelles des carrières qui vous intéressent ou intéressent votre (vos) enfant(s)!

Learn about the steps and pathways into a career in the skilled professions and how to develop skills and experience!

Découvrez les étapes et les parcours qui mènent à une carrière dans les professions spécialisées et comment développer des compétences et de l'expérience!

Access further resources and determine how to get started on a path that is right for you or your child(ren)!

Accédez d'autres ressources et déterminez comment vous élaner sur un chemin qui vous convient à vous ou à votre/vos enfant(s)!



*This program is funded by the Government of Ontario.
Ce programme est financé par le gouvernement de l'Ontario.*

APPRENTICESHIP IN ONTARIO



MOTIVE POWER

- 🍁 Agricultural Equipment Technician
- ▲ Alignment and Brakes Technician
- ▲🍁 Auto Body and Collision Damage Repairer
- ▲ Auto Body Repairer
- ▲ Automotive Electronic Accessory Technician
- Automotive Glass Technician
- 🍁 Automotive Painter
- ▲🍁 Automotive Service Technician
- 🍁 Heavy Duty Equipment Technician
- Marine Engine Technician
- Motive Power Machinist
- ▲🍁 Motorcycle Technician
- Powered Lift Truck Technician
- 🍁 Recreation Vehicle Technician
- Small Engine Technician
- ▲ Transmission Technician
- ▲🍁 Truck and Coach Technician
- ▲🍁 Truck-Trailer Service Technician
- Turf Equipment Technician

WHAT IS APPRENTICESHIP?

Apprenticeship is a combination of on-the-job training and classroom learning that leads to a skilled trade credential.

- 90% in the workplace with an experienced skilled worker
- 10% is in school at an approved training centre, union hall or college
- Apprentices follow training standards to become skilled in the trade

🍁 Indicates a Red Seal Program
▲ Indicates a Designated Compulsory Trade*
Trades that are not Compulsory are Voluntary Trades**

***Compulsory Trade:** a trade in which registration as an apprentice is legally mandatory.

****Voluntary Trade:** a trade in which certification is not legally required to practice the trade.

SERVICE

- Aboriginal Child Development Practitioner
- Agricultural — Dairy Herdsperson
- Agricultural — Fruit Grower
- Agricultural — Swine Herdsperson
- 🍁 Appliance Service Technician
- Arborist
- Assistant Cook
- Baker
- 🍁 Baker-Patisserie
- Chef
- Child and Youth Worker
- Child Development Practitioner
- 🍁 Cook
- Developmental Services Worker
- Educational Assistant
- Electronic Service Technician
- Gemsetter/Goldsmith
- ▲🍁 Hairstylist
- Horse Groom
- Horse Harness Maker
- 🍁 Horticultural Technician
- Information Technology — Contact Centre Customer Service Agent
- Information Technology — Contact Centre Sales Agent
- Information Technology — Contact Centre Technical Support Agent
- Information Technology — Hardware Technician
- Information Technology — Network Technician
- Institutional Cook
- Micro Electronics Manufacturer
- Native Clothing and Crafts Artisan
- Network Cabling Specialist
- 🍁 Parts Technician
- Retail Meat Cutter
- Saddlery
- Special Events Coordinator
- Utility Arborist

CONSTRUCTION

- 🍁 Architectural Glass and Metal Technician
- 🍁 Brick and Stone Mason
- 🍁 Cement (Concrete) Finisher
- Concrete Pump Operator
- 🍁 Construction Boilermaker
- 🍁 Construction Craft Worker
- Construction Millwright
- 🍁 Drywall Finisher and Plasterer
- 🍁 Drywall, Acoustic and Lathing Applicator
- ▲🍁 Electrician — Construction and Maintenance
- ▲ Electrician — Domestic and Rural
- Exterior Insulated Finish Systems Mechanic
- 🍁 Floor Covering Installer
- 🍁 General Carpenter
- Hazardous Materials Worker
- 🍁 Heat and Frost Insulator
- 🍁 Heavy Equipment Operator — Dozer
- 🍁 Heavy Equipment Operator — Excavator
- 🍁 Heavy Equipment Operator — Tractor Loader Backhoe
- ▲🍁 Hoisting Engineer — Mobile Crane Operator 1
- ▲ Hoisting Engineer — Mobile Crane Operator 2
- ▲🍁 Hoisting Engineer — Tower Crane Operator
- 🍁 Ironworker — Generalist
- 🍁 Ironworker — Structural and Ornamental
- Native Residential Construction Worker
- 🍁 Painter and Decorator — Commercial and Residential
- Painter and Decorator — Industrial
- ▲🍁 Plumber
- 🍁 Powerline Technician
- Precast Concrete Erector
- Precast Concrete Finisher
- Refractory Mason
- ▲🍁 Refrigeration and Air Conditioning Systems Mechanic
- 🍁 Reinforcing Rodworker
- ▲ Residential (Low Rise) Sheet Metal Installer
- ▲ Residential Air Conditioning Systems Mechanic
- Restoration Mason
- 🍁 Roofer
- ▲🍁 Sheet Metal Worker
- ▲🍁 Sprinkler and Fire Protection Installer
- ▲🍁 Steamfitter
- 🍁 Terrazzo, Tile and Marble Setter

INDUSTRIAL

- Bearings Mechanic
- Blacksmith
- 🍁 Cabinetmaker
- Computer Numerical Control (CNC) Programmer
- Die Designer
- Draftsperson — Mechanical
- Draftsperson — Plastic Mould Design
- Draftsperson — Tool and Die Design
- 🍁 Electric Motor System Technician
- Electrician (Signal Maintenance)
- Elevating Devices Mechanic
- Entertainment Industry Power Technician
- Facilities Mechanic
- Facilities Technician
- 🍁 General Machinist
- Hydraulic/Pneumatic Mechanic
- 🍁 Industrial Electrician
- 🍁 Industrial Mechanic Millwright
- 🍁 Instrumentation and Control Technician
- Light Rail Overhead Contact Systems Linesperson
- Locksmith
- Machine Tool Builder and Integrator
- 🍁 Metal Fabricator (Fitter)
- Mould Designer
- Mould Maker
- Mould or Die Finisher
- Optics Technician (Lens and Prism Maker)
- Packaging Machine Mechanic
- Pattern Maker
- Pressure Systems Welder
- Process Operator — Food Manufacturing
- Process Operator — Power
- Process Operator — Refinery, Chemical and Liquid Processes
- Process Operator — Wood Products
- Railway Car Technician
- Relay and Instrumentation Technician
- Saw Filer/Fitter
- Surface Blaster
- Surface Mount Assembler
- Thin Film Technician
- Tool and Cutter Grinder
- 🍁 Tool and Die Maker
- Tool and Gauge Inspector
- Tool/Tooling Maker
- Tractor-Trailer Commercial Driver
- Water Well Driller
- 🍁 Welder

LIVE THE SKILLED LIFE!

www.oyap.com

APPRENTICESHIP IS POST-SECONDARY EDUCATION



This program is funded by the Government of Ontario

L'APPRENTISSAGE EN ONTARIO

FORCE MOTRICE

- ★ Peintre de carrosseries automobiles
- ▲ Réparateur de carrosseries automobiles
- ▲★ Réparateur de carrosseries et de dommages résultant d'une collision
- ▲ Technicien d'accessoires électroniques d'automobile
- ▲ Technicien de boîtes de vitesses
- Technicien de chariots élévateurs
- Technicien de glaces de véhicule automobile
- ★ Technicien de machines agricoles
- Technicien de moteurs marins
- ▲★ Technicien de motocyclettes
- ▲★ Technicien d'entretien automobile
- ▲★ Technicien d'entretien de camions et d'autocars
- ▲★ Technicien d'entretien de remorques de camions
- Technicien de petits moteurs
- Technicien d'équipement de gazon
- ★ Technicien d'équipement lourd
- ▲ Technicien de systèmes électriques et d'alimentation en carburant
- ★ Technicien de véhicules récréatifs
- ▲ Technicien spécialiste des freins et du réglage de la géométrie des roues
- Usineur de pièces (véhicule moteur)

Qu'est-ce que l'apprentissage?

L'apprentissage est une combinaison de formation au travail et à l'école qui mène à un diplôme de compétence.

- 90 % en milieu de travail avec un compagnon qualifié et expérimenté
- 10 % à l'école
- Les apprentis suivent les normes de formation pour devenir qualifiés dans le métier

- ★ Désigne un métier du programme Sceau rouge
- ▲ Désigne un métier à accréditation obligatoire*

Un métier qui n'est pas à accréditation obligatoire et un métier à accréditation facultative**

* **Métier obligatoire** : métier dans lequel l'inscription en tant qu'apprenti est légalement obligatoire.

** **Métier volontaire** : un métier dans lequel la certification n'est pas légalement requise pour exercer le métier.

SERVICES

- Agent des ventes - centre de contact en technologie de l'information
- Agent du service à la clientèle - centre de contact en technologie de l'information
- Agent du soutien technique - centre de contact en technologie de l'information
- Agriculture - Fructiculteur
- Agriculture - Porcher
- Agriculture - Soigneur de troupeaux laitiers
- Aide-cuisinier
- Aide-enseignant
- Arboriste
- Arboriste de services publics
- Artisan autochtone
- Assistant social auprès des jeunes
- Boulangier
- ★ Boulanger-pâtissier
- Chef
- ▲★ Coiffeur
- Coordonnateur d'événements spéciaux
- ★ Cuisinier
- Cuisinier d'établissement
- Découpeur de viande au détail
- Fabricant en microélectronique
- Intervenant en services de soutien à l'intégration
- Palefrenier
- Praticien du développement de l'enfant
- Praticien du développement de l'enfant autochtone
- Sellerie
- Sellier-harnacheur
- Sertisseur/orfèvre
- Spécialiste de câblage de réseaux
- ★ Technicien au service des pièces
- Technicien d'entretien d'appareils électroniques
- ★ Technicien d'entretien d'appareils ménagers
- ★ Technicien en horticulture (Horticulteur- paysagiste)
- Technicien en technologie de l'information - matériel
- Technicien en technologie de l'information - réseau

CONSTRUCTION

- ★ Briqueteur-maçon
- ★ Charpentier-menuisier général
- ★ Chaudronnier de construction
- ▲★ Conducteur d'engins de levage : conducteur de grues à tour
- ▲★ Conducteur d'engins de levage : conducteur de grues mobiles 1
- ▲ Conducteur d'engins de levage : conducteur de grues mobiles 2
- ★ Conducteur d'équipement lourd - boueur
- ★ Conducteur d'équipement lourd - excavatrice
- ★ Conducteur d'équipement lourd- tracto-pelle rétrocaveuse
- ★ Couvreur
- ▲★ Électricien (bâtiment et entretien)
- ▲ Électricien (secteurs domestique et rural)
- ★ Finisseur de béton
- Finisseur de béton préfabriqué
- ★ Installateur de revêtements de sol
- ▲★ Installateur de systèmes de protection contre les incendies
- ★ Jointoyeur et plâtrier
- Maçon d'ouvrages de briques réfractaires
- Maçon en restauration
- ★ Manoeuvre en construction
- ▲ Mécanicien en systèmes de climatisation résidentiels
- ▲★ Mécanicien en systèmes de réfrigération et de climatisation
- Mécanicien-monteur de construction
- ★ Monteur de barres d'armature
- ★ Monteur de béton préfabriqué
- ★ Monteur de charpentes métalliques (généraliste)
- ★ Monteur de charpentes métalliques (structurales et ornementales)
- ▲★ Monteur de tuyaux de vapeur
- Opérateur de pompe à béton
- Ouvrier de construction résidentielle autochtone
- Peintre-décorateur (secteur industriel)
- ★ Peintre-décorateur (secteurs commercial et résidentiel)
- ▲★ Plombier
- ★ Poseur de carrelage
- ★ Poseur de matériaux isolants
- ★ Poseur de panneaux muraux secs, de carreaux acoustiques et de lattes
- ▲★ Poseur de tôles pour systèmes résidentiels (petits immeubles)
- ★ Technicien de lignes d'énergie électrique
- Technicien de parements extérieurs isolants
- ★ Technicien du verre et du métal architecturaux (Vitrier)
- ▲★ Tôlier
- Travailleur en décontamination

INDUSTRIE

- Affûteur/ajusteur de scies
- Affûteur d'outils
- Assembleur d'éléments de surface
- Concepteur de matrices
- Concepteur de moules
- Conducteur de semi-remorques commerciales
- Confectionneur de moules
- Confectionneur d'outillage
- Constructeur et intégrateur de machines-outils
- Dessinateur - conception de moules en plastique
- Dessinateur - conception d'outils et de matrices
- Dessinateur - conception mécanique
- Dynamiteur - exploitation à ciel ouvert
- ★ Ébéniste
- Électricien en entretien des signaux
- ★ Électricien industriel
- ★ Électromécanicien
- Fabricant de prismes et de lentilles de précision
- Finisseur de moules et de matrices
- Foreur de puits d'eau
- Forgeron
- Inspecteur d'outils et d'appareils de contrôle
- Mécanicien d'appareils de levage
- Mécanicien de machines à emballer
- Mécanicien d'entretien de bâtiment
- Mécanicien de roulements
- Mécanicien en hydraulique/pneumatique
- Mécanicien-monteur industriel
- Modelleur
- Monteur-ajusteur de charpentes métalliques
- Monteur de systèmes de lignes aériennes de contact pour le transport léger sur rail
- Opérateur de procédés industriels (produits du bois)
- Opérateur de procédés industriels (raffinerie, procédés chimiques et liquides)
- Opérateur de procédés industriels (secteur de la transformation des aliments)
- Opérateur de procédés industriels (secteur de l'énergie)
- ★ Outilleur-ajusteur
- Programmeur en commande numérique (CNC)
- ★ Régleur-conducteur de machines-outils (Machiniste)
- Serrurier
- ★ Soudeur
- Soudeur d'appareils sous pression
- ★ Technicien de l'instrumentation et des relais
- Technicien de pellicules minces
- Technicien de wagons de chemin de fer
- Technicien en électricité pour l'industrie du spectacle
- ★ Technicien en instrumentation et contrôle
- Technicien en systèmes de bâtiment

OUTILLE-TOI POUR LA VIE!
www.pajo.ca

L'APPRENTISSAGE, MA FORMATION POSTSECONDAIRE