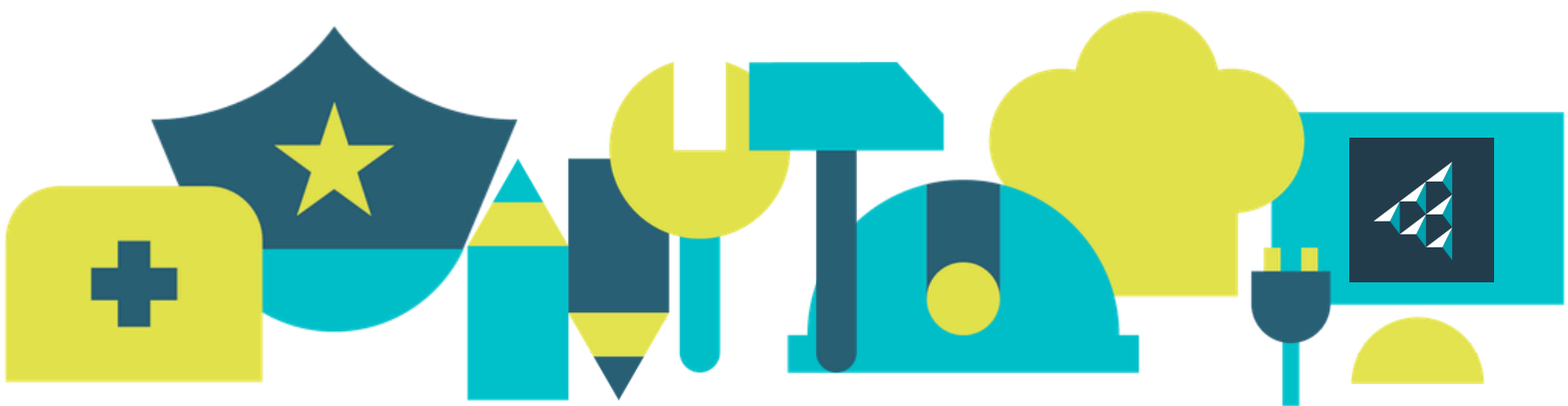




# TEACHER GUIDE

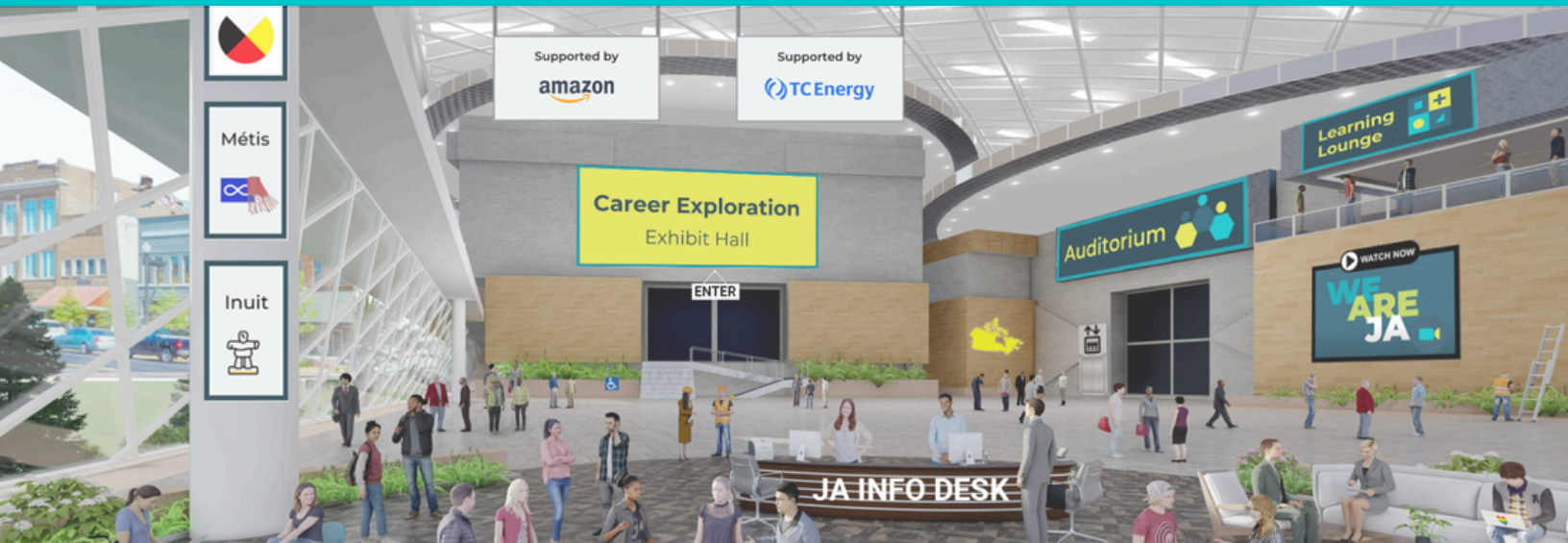


# Career Exploration Centre Teacher Guide



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## Introduction

The Career Exploration Centre is a virtual, open-access, self-guided learning experience designed for students aged 13–18. This independent online platform helps learners deepen their understanding of emerging career pathways, labour-market trends, and future-focused opportunities. Through interactive exploration, students will gain clearer insight into their strengths, interests, and potential. The platform equips them with the knowledge and tools needed to make informed decisions about post-secondary education, training options, and long-term career goals.

## Features

- Open access platform with no login required
- Built for individual self-exploration, with flexibility for paired or small-group use in classroom settings
- Backpack feature allows students to save and email selected documents to themselves, ensuring continued access to relevant resources for ongoing career exploration
- Accessible
- Available in both English and French
- Compatible with all major web browsers



## Learning Objectives

- Identify emerging and evolving careers across multiple industries.
- Investigate different career sectors to describe specific jobs within each field.
- Outline the educational pathways, training, and certification requirements for selected careers.
- Identify scholarships and financial support options for post-secondary pathways.
- Apply their personal values, strengths, and interests to explore potential career options.

## Types of Resources

Within the sector booths, students can explore the following resources:

- Career spotlight, testimonial and day-in-the-life videos featuring real professionals sharing their experiences, roles and pathways.
- Lessons to introduce key information about careers options and related education and training pathways.
- Interactive activities including quizzes, games, virtual reality and 360 video tours.
- Curated lists of scholarships and financial support opportunities.
- Links to official and reputable websites that support further career research and exploration.





The sections below highlight key concepts, activities and resources found in the in the Technology Booth.

## Discover Technology Careers

- Explore the value of pursuing a career in the technology sector.
- Careers in technology by education pathway: Skilled trades, college diplomas, and university degrees

## Robotics

- A Kahoot interactive quiz and videos showcasing the robotics in one of Amazon's fulfillment center.
- Careers in robotics

## Big Data & Cybersecurity

- Keeping Data Safe and Sustainable: a Kahoot interactive quiz and videos exploring the technology in one of Amazon's data center.
- Careers in data and cybersecurity

## Artificial Intelligence

- Callisto: Space Tour: a Kahoot interactive quiz and videos exploring AI Voice Recognition in space technology.
- Careers in AI

## Opportunities & Financial Support

- Bursaries, scholarships, and other programs for students considering education and training in technology.

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## Extra Resource for Classrooms

### Success through AI Mastery Program

This 7-lesson program empowers students to understand, evaluate, and effectively use artificial intelligence tools.

[Visit](#)



The sections below highlight key concepts, activities and resources found in the in the Energy Booth.

## **Discovering the Energy Sector**

- Why the energy sector offers great career opportunities.
- Exploring the types of energy production and distribution industries.

## **Innovation and problem-solving**

- Why the energy sector needs these two transferable skills to address modern energy challenges
- Success stories of people involved in energy problem-solving careers.

## **Discover Energy Careers**

- Entry-Level and Skilled Trades
- Administration, Public Relations and Sales
- Engineering and Sciences

## **Virtual Reality and 360 Tours**

- Explore various energy job sites—requires VR headset to fully experience

## **Indigenous Communities**

- TC Energy's projects valuing Indigenous knowledge
- Indigenous career video profiles and inspiration for indigenous involvement in energy projects



The sections below highlight key concepts, activities and resources found in the in the Mining Booth.

## **Quiz – How much do you know about mining?**

- Learn about Canada's mining industry while playing this 15-question quiz.

## **Discovering the Mining Industry**

- The importance of mining resources in our daily lives.
- The Importance of the mining industry in the Canadian economy.
- Exploration of the types of mine sites as potential career sites.
- The demand and advantages of mining jobs in Canada

## **Discover Mining Careers**

- Careers in the mining sector, by level of education
- Career profiles with demand, salary and video information

## **Opportunities & Financial Support**

- Scholarships and bursaries available to youth looking into mining education programs.
- Mentorship and career exploration opportunities for youth

## **Additional Resources**

- Women in Mining
- Learn More About Minerals
- The Future of Mining
- Mining Videos



The sections below highlight key concepts, activities and resources found in the in the Skilled Trades Booth.

## **Which Sector is for You?**

- Students complete a career quiz to identify which sector in skilled trades might be the best match with their skills, values, and interests.

## **Discover Skilled Trade Careers**

- Exploring why skilled trades offer strong, rewarding career options
- Addressing popular misconceptions
- Exploring the five skilled trades sectors
- Testimonial videos featuring tradespeople from a range of professions

## **Pathways, Programs and Certifications**

- History of skilled trades education
- Vocational training pathways
- Understanding apprenticeships
- Webinars on career pathways and opportunities
- Red seal certification

## **Opportunities & Financial Support**

- Scholarships, loans and tax deductions for students and apprentices in skilled trades

## **Learn More about Skilled Trades**

- Women in trades
- Downloadable document for pursuing a skilled trades pathway organized by province/territory, including Youth Apprenticeship (dual-credit) programs
- Transferable skills in the trades
- Video series

## Additional Resources

Looking for more? Explore the following resources to extend the learning with your students.

### Skills for Success

This resource from the government of Canada provides a deeper understanding of what the Essential skills are, including its concrete components and proficiency levels.

### Apprenticeship and Careers in the Skilled Trades – A Guide for Educators

The Canadian Apprenticeship Forum has created a guide to support discussions with students about why apprenticeship is an excellent post-secondary option.

### Essential Skills Self-Assessment for the Trades

Human Resources and Skills Development Canada offers this self-assessment printable questionnaire to help identify strengths and areas for improvement in essential skills.

### Essential Skills Workbook for Trades

Use the workbook from Employment and Social Development Canada to learn how the nine essential skills can be developed through careers in the skilled trades.



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## Sample Learning Activity

Ask students to identify two potential jobs/careers they are interested in and answer the following questions.



### Understanding the Role

- What does this person do in their job on a daily basis?
- What parts of their work seem most interesting or enjoyable? Why?
- What challenges or difficulties do they mention?

### Skills & Strengths

- What skills or qualities does this person say are important in their role?
- Which of those skills do you already have?
- Which skills would you need to develop further?

### Career Pathway

- How did this person get started in their field?
- What education or training did they complete?
- Did their career path follow a straight line, or did it change over time?
- What advice do they give about preparing for this kind of career?

### Personal Connection

- What surprised you the most about this career?
- Can you see yourself doing this type of work? Why or why not?
- What parts of their story connect to your own interests, values, or goals?

### Future Thinking

- What questions would you ask this person if you could meet them?
- What next steps could you take if you wanted to explore this career more deeply?
- What related careers might also be worth looking into?

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## Sample Discussion Prompts

Below you will find some sample prompts to initiate discussion and encourage reflection. Use the questions to support and guide your students in their exploration.



1. What transferable skills did you learn about in the career centre?
2. How can transferable skills be utilized in the career paths you explored?
3. What are some pathways you would like to pursue or learn more about after visiting the Career Exploration Centre?
4. Having viewed any career spotlights or video testimonials, what role does mentorship play in career exploration?
5. Who can you look to as a mentor?
6. What things can you be doing today to help prepare for your own career?

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YOU!**

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this learning experience possible!**

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