

## Skills for Success Curriculum Resource Cover Page

### Organization

CESBA

### Curriculum Resource

The Four Sectors of Apprenticeship

### OALCF Alignment

Competency	Task Group	Level
Competency A -Find and Use Information	A1. Read continuous text	2
Competency A -Find and Use Information	A2. Interpret documents	2
Competency A -Find and Use Information	A3. Extract information from films, broadcasts, and presentations	N/A
Competency B - Communicate Ideas and Information	B2. Write continuous text	1
Competency B - Communicate Ideas and Information	B3. Complete and create documents	2

<b>Competency C - Understand and Use Numbers</b>	<b>C1. Manage money</b>	<b>1</b>
<b>Competency D - Use Digital Technology</b>	<b>N/A</b>	<b>2</b>
<b>Competency E - Manage Learning</b>	<b>N/A</b>	<b>1</b>

**Goal Paths (check all that apply)**

- Employment
  Postsecondary  
 Apprenticeship
  Independence  
 Secondary School Credit

**Embedded Skills for Success (check all that apply)**

- Adaptability
  Numeracy  
 Collaboration
  Problem Solving  
 Communication
  Reading  
 Creativity and innovation
  Writing  
 Digital

**Notes: Suggested Milestones for this resource- Milestones 14, 29 and 58**



# The Four Sectors of Apprenticeship

Includes Answer Guide

**Pathway Pillar** – Integration of LBS Services to Support Apprenticeship

**Project Manager:** Charlotte Parliament, CESBA Program Manager

**Project Coordinator:** Debera Flynn

**Project Consultants:** Angela Williams and Susan Boyd

**Project Support:** Paul Cox, CESBA Executive Director

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## **What is an Apprenticeship?**

An apprenticeship is a post-secondary education pathway that combines on the job training and classroom learning. It is a formal contract between a person wanting to learn a trade (the apprentice) and a company needing a skilled trades worker (the employer or sponsor). As an apprentice you spend 80% of your time getting on-the-job training and 20% in class receiving technical training. Becoming an apprentice means you will get paid while gaining valuable skills and experiences on the job.

There is a lot to know and learn about apprenticeship and skilled trades. Firstly, finding out if a skilled trade and apprenticeship training program is right for you.

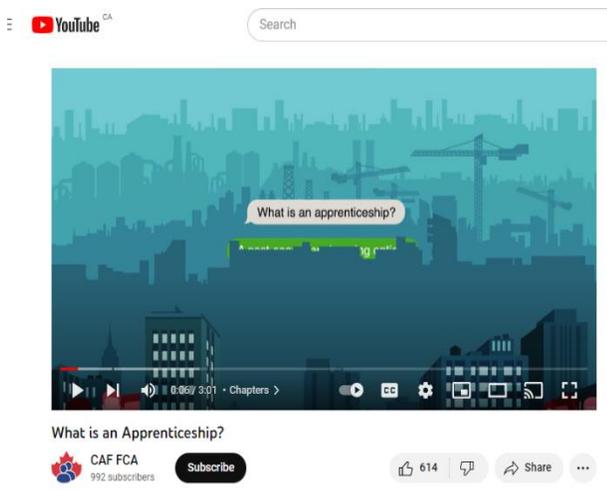


## Activity 1: Is Apprenticeship right for you?

Open your web browser and type in the following web addresses to learn more about apprenticeships and skilled trades.

<https://www.youtube.com/watch?v=okIB65YlwaM> (or search on YouTube “What is an Apprenticeship CAF FCA”)

<https://www.youtube.com/watch?v=EXGrVRSg6Dk> (or search on YouTube “Why Apprenticeship CAF FCA”)



1. List four examples of apprenticeship jobs from the video.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

2. In the video, how long did they say it would take for the average apprenticeship to be completed? \_\_\_\_\_

3. What five pieces of advice did employers give to people that are interested in completing an apprenticeship?

1. \_\_\_\_\_

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2. \_\_\_\_\_

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3. \_\_\_\_\_

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4. \_\_\_\_\_

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5. \_\_\_\_\_

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4. What is the average apprenticeship salary range?

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5. List three of the top five reasons the video gives as great reasons to become an apprentice.

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## The Four Trade Sectors

### Construction Sector

The construction trades sector includes skilled trades that:

- build homes, schools, or office buildings (for example Carpenters)
- install services in homes, company buildings, or schools (for example plumbers and electricians)



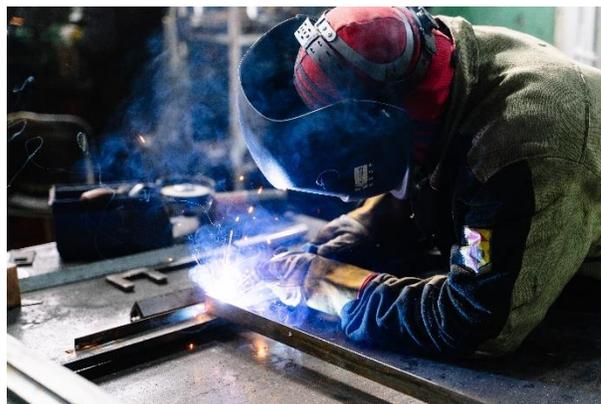
## **Motive Power Sector**

The trades in the motive power sector repair and service cars, transportation equipment and small engines. Examples of motive power sector apprentices include heavy equipment technicians, agricultural equipment technicians, auto body repairers, and automotive painters.



## **Industrial Sector**

Trades in the industrial sector include equipment maintenance and product manufacturing jobs. Some examples of positions in the industrial sector are cabinet makers, millwrights, and welders.



## **Service Sector**

The service sector includes a wide range of careers. Jobs in the service sector may involve working directly with people. Some examples include special events coordinators, educational assistants, hairstylists, and child development practitioners.



## **Voluntary and Compulsory Trades**

Trades in each of the sectors described above are divided into two categories, voluntary and compulsory trades.

Compulsory trades require you to be certified before being able to work in Ontario. There are 23 trades that are considered compulsory.

Voluntary trades include all trades that are not labelled as compulsory. You do not need to be certified to work in a voluntary trade, but certification is sometimes offered.

## Red Seal Trades

These trades offer a qualification that is recognized across Canada. In these trades you have the option to complete a certification that would be recognized in any province as well as some other countries.



## Activity 2: Gaining Information from a Poster

Look through the different jobs and trades in the poster on the next page. This poster was designed by OYAP (Ontario Youth Apprenticeship Program). Take notice of the trades that are marked as compulsory and some that are indicated as a red seal trade.

# 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% 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 Herdperson
- Agricultural — Fruit Grower
- Agricultural — Swine Herdperson
- ◆ 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

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[www.oyp.com](http://www.oyp.com)

## 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

# APPRENTICESHIP IS POST-SECONDARY EDUCATION



1. Choose two sectors and complete the chart using the OYAP poster.  
 You can also view this poster at <https://oyap.com/oyap/>.

	_____ Sector	_____ Sector
Compulsory Trade		
Compulsory Trade		
Voluntary Trade		
Voluntary Trade		
Voluntary Trade		
Red Seal Trade		
Red Seal Trade		
Red Seal Trade		

## Apprenticeship Vocabulary

Apprentice	An apprentice is a paid employee who is learning the trade on the job. Spending 80% of their time on the job training and 20% in class.
Journey person	A journey person has completed all their training needed to be certified (passed their certification exam). They can act as mentors, training registered apprentices.
Skilled Trades	Includes a huge range of hand-on jobs and careers. This includes careers in construction, manufacturing, motive power and service sectors.
Red Seal Program	A tradesperson that passes the Red Seal exam in their trade receives a Red Seal Certification. This Red Seal Certificate shows that the tradesperson has the knowledge and skills to practice their trade across Canada.
Registered Training Agreement	The Registered Training Agreement is a contract that is signed before the apprenticeship starts. This agreement is between the employer and apprentice, where the employer agrees to sponsor and train the apprentice.

### **Activity 3: Vocabulary Practice**

1. Write a sentence for each of the vocabulary words in the Apprenticeship vocabulary chart.

Apprentice

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Journey person

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Skilled Trades

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Red Seal Program

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Registered Training Agreement

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## Final Tasks

### Part 1

1. You can try some quizzes online to see if being an apprentice or working in a trade would suit you.

Open your web browser and type the follow address into your address bar:

<https://www.jobbank.gc.ca/career-planning/quizzes>

You can also use a search engine and search, “HRDC job bank quizzes” to find this site.

Click on ‘Get started’ and create an account.

### Explore career possibilities

Take the 3 career quizzes to find out what occupations may be a good fit for you. These quizzes will help you identify possible career paths based on what you like or are good at. [Get started](#)



#### Interests

See where your interests lie, and explore what type of jobs would suit you well.

🕒 10 minutes



#### Abilities

Leverage your strengths. Find out what you are great at, and explore careers that allow you to use your top skills.

🕒 10 minutes



#### Work activities

Choose how you prefer to work with data, people and things, and get a list of possible career options to explore.

🕒 5 minutes

**Don't lose your progress!**  
You need a Job Bank account to save your answers to career quizzes. Sign in or sign up now so you don't lose your progress.

[> Sign in or sign up](#)

Click on Sign in or sign up.

Click on Sign Up now

Email (required)

Next

Don't have an account? Get more out of your job search with a Standard or Plus account on Job Bank.

Sign up now! I don't want to sign in

Choose a Standard account.

Agree to the conditions and then fill in the information that is being requested.

You will be asked to enter your email address and then pick a password.

A code will be sent to your email. You can use this to verify your account.

Hello,

You are just a few steps away from completing your Job Bank user account registration. You must provide the following confirmation code.

Your confirmation code is

####

Fill out the security question section. Choose questions from the drop-down menu and answer them.

**\* Question 1**

What is your maternal grandmother's first name? ▼

**\* Answer 1**  Display answer

....

**\* Question 2**

What is the first name of your oldest cousin? ▼

**\* Answer 2**  Display answer

...

Enter your name and postal code and click finish.



ⓘ Any fields marked with an asterisk (\*) are required.

Title

Ms. ▼

**? \* First name**

Test

**\* Last name**

Student

**? \* Postal code**

K0A1A0

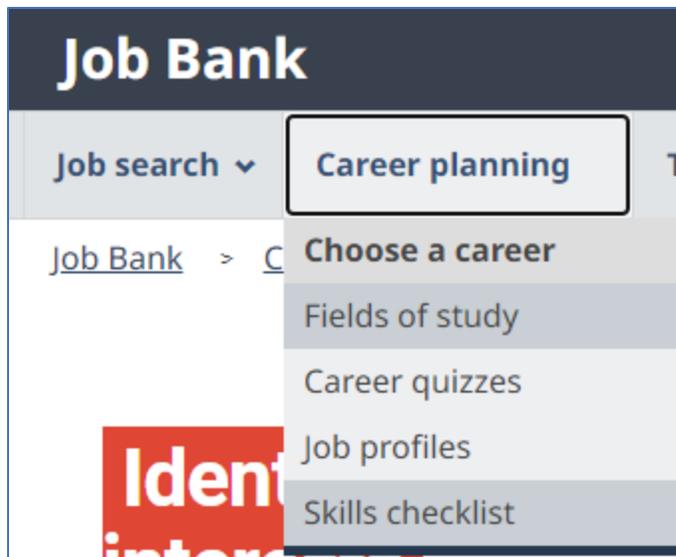
I am not a Canadian resident

You can now choose the quizzes you would like to complete to discover what jobs best fit your skills and interests.

Complete the quizzes you think are interesting. Share your findings with another learner or your instructor.

## Part 2:

Click on Career Planning and select Job Profiles from the drop-down menu.



Choose **one** of the following apprenticeships and research the job.

1. Electrician    2. Locksmith    3. Welder

4. Apprenticeship of your choice

Enter the job under job title and your province under location.

A screenshot of the 'Explore an occupation' form on the Job Bank website. The form is titled 'Explore an occupation' in large, bold, black text. Below the title is a subtitle: 'Learn about an occupation: available jobs, wages, career prospects, skills, job requirements and more.' There are three input fields: 'Job title', 'Location', and 'City, province or territory'. A blue 'Search' button is located at the bottom left of the form. The 'Career planning' tab is active at the top of the page.

Answer the following questions about the job that you have chosen.

Job that you chose: \_\_\_\_\_ Trade Sector: \_\_\_\_\_

Is this trade compulsory or voluntary? \_\_\_\_\_

Is this job a Red Seal Trade? \_\_\_\_\_

1. What are the requirements of this job?

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2. What is the average wage?

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3. What are three skills needed for this job?

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4. Write a paragraph communicating why you think this would or would not be a good job to have. Give two reasons for your answer.

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Congratulations, you have completed this course.



## Answer Guide

### Activity 1: Is Apprenticeship Right for you?

1. *Four examples of apprenticeships from the video could include: electricians, plumbers, carpenters, cooks, and mechanics.*
2. *It takes an average of 2-4 years to complete an apprenticeship.*
3. *The 5 pieces of advice from employers if you are interested in an apprenticeship are:*
  1. *Take math and science courses (take grade 11 and 12 math, science, shop and trades and technology courses), get your grade 12 diploma.*
  2. *Get your driver's license*
  3. *Take safety courses*
  4. *Prove you can work well in a team (join clubs, sports teams, participate in group projects)*
  5. *Demonstrate you can be responsible (show up to work on time, volunteer, be the person your boss can count on, get your work done on time).*
4. *The average apprenticeship salary is \$25,000 - \$50,000 once certified the salary is \$60,000 - \$100,000.*
5. *Top reasons to become an apprentice, answer could include:*
  - apprentices are active in their job, learn right on the job and work with the latest advanced technology*
  - apprentices are innovative problem solvers and they like to solve problems*
  - apprentices are curious about how things work*
  - apprentices earn good pay while learning on the job with little or no debt*
  - apprentices contribute to communities*

*-apprentices can advance in their careers with further education or training.*

## **Activity 2: Gaining Information from a Poster**

*1. Answers will vary, learner should have chart completed using the OYAP Poster.*

*2. Answers will vary, learner should have a complete sentence for each vocabulary word.*

## **Final Task**

*Answers will vary depending on the job the learner has chosen.*