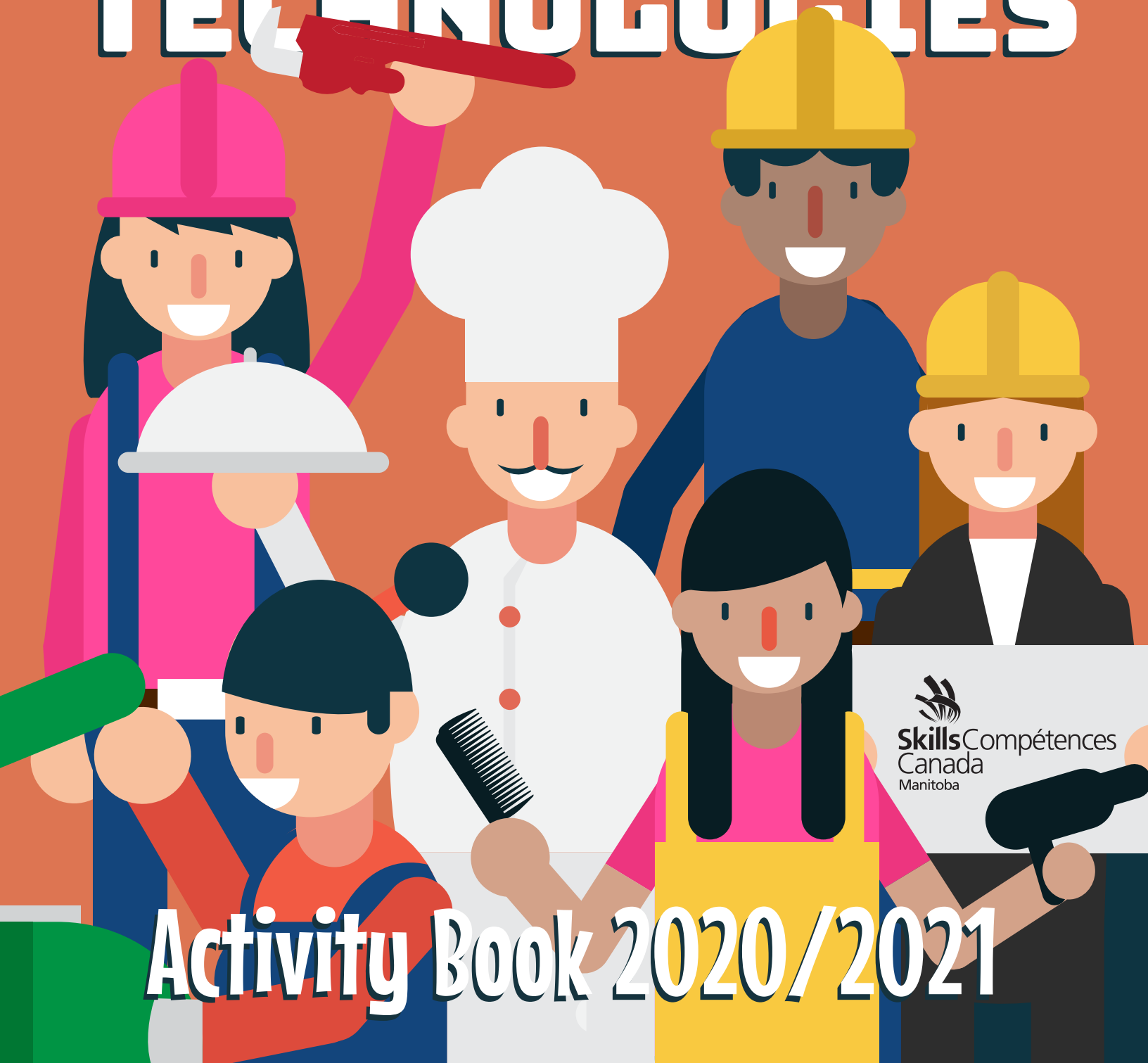


SKILLED TRADES & TECHNOLOGIES




SkillsCompétences
Canada
Manitoba

Activity Book 2020/2021

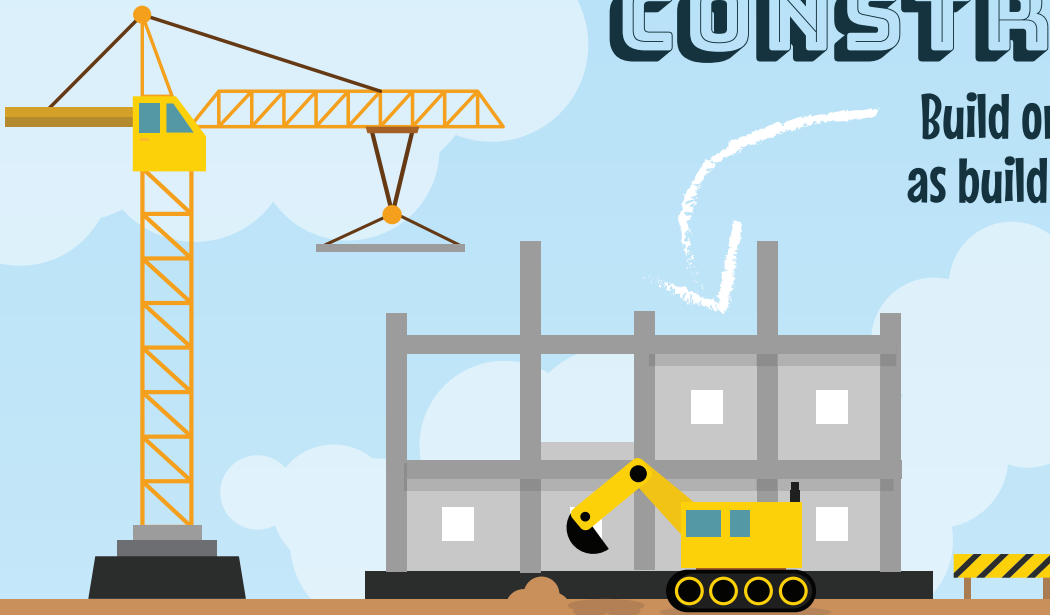
THE 4 SKILLED TRADES SECTORS

CONSTRUCTION

Build or repair structures such as buildings, roads and bridges.

FUN FACT:

The Burj Khalifa is the world's tallest building. Over 12,000 people a day worked on it. That's the population of a small city!



SERVICE

Provide a helpful activity.

FUN FACT:

The folds in a chef's hat represent the many different ways you can cook an egg.



You are surrounded by the
work of tradespeople.

FUN FACT:

China is the world's largest
manufacturer.

INDUSTRIAL

Make something on a large
scale using machinery.

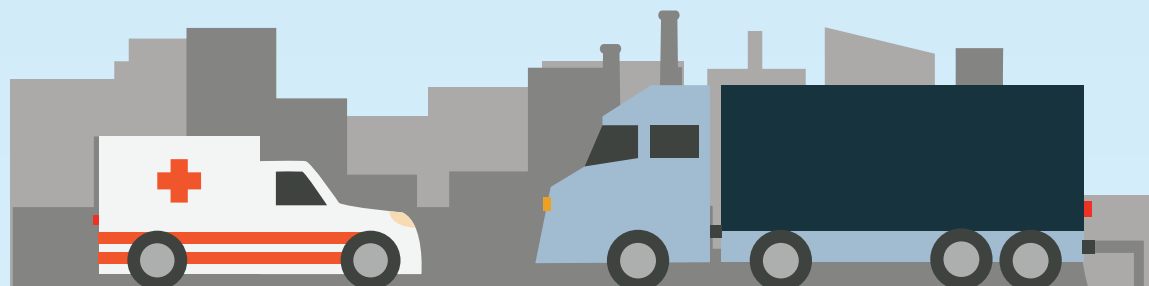


TRANSPORTATION

Build or repair all types of vehicles.

FUN FACT:

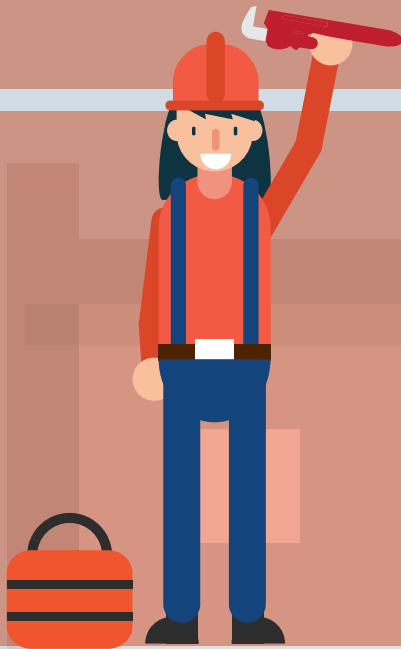
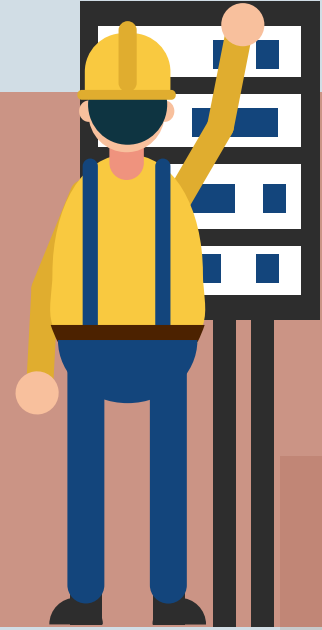
Did you know Canada's first
electric car was built more than
100 years ago?



CONSTRUCTION

ELECTRICIAN

Provides power to houses, computers, light switches, stadiums and concerts.



PLUMBER

Puts pipes in so we can shower and wash our hands.

CARPENTER

Works with wood mostly but does work with other materials to build almost anything.



MATH LOGIC

$$\text{Crane} + \text{Crane} + \text{Crane} = 15$$

$$\text{Crane} + \text{Wrench} + \text{Wrench} = 25$$

$$\text{Crane} + \text{Wrench} - \text{Excavator} = 7$$

$$\text{Crane} + \text{Excavator} + (\text{Wrench} \times \text{Excavator}) =$$

SERVICE

COOK

Prepares and cooks, plans meals, orders and prices a wide variety of food.



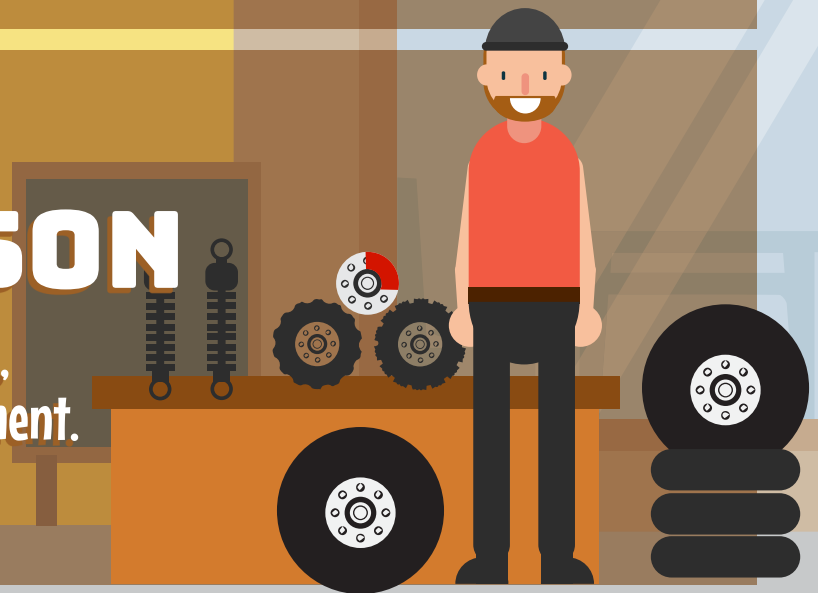
HAIRSTYLIST

Cuts, colours, shampoos, rinses and styles hair.

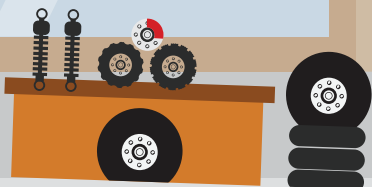
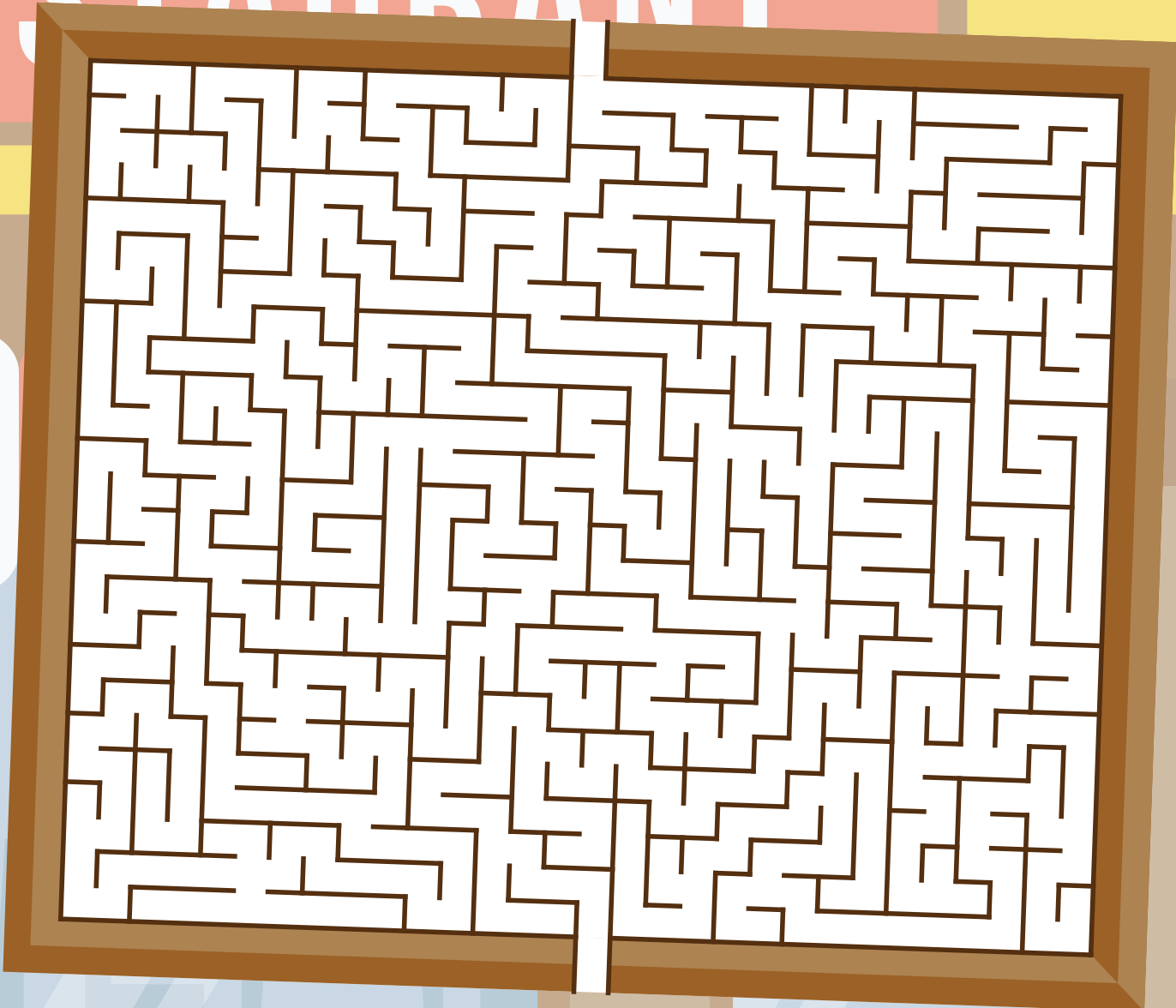


PARTSPERSON

Manage and sell parts for vehicles, appliances, machinery and equipment.



Help Partsperson Pete get to his counter



INDUSTRIAL

WELDER

Shape metal or join metal pieces together.



MACHINIST

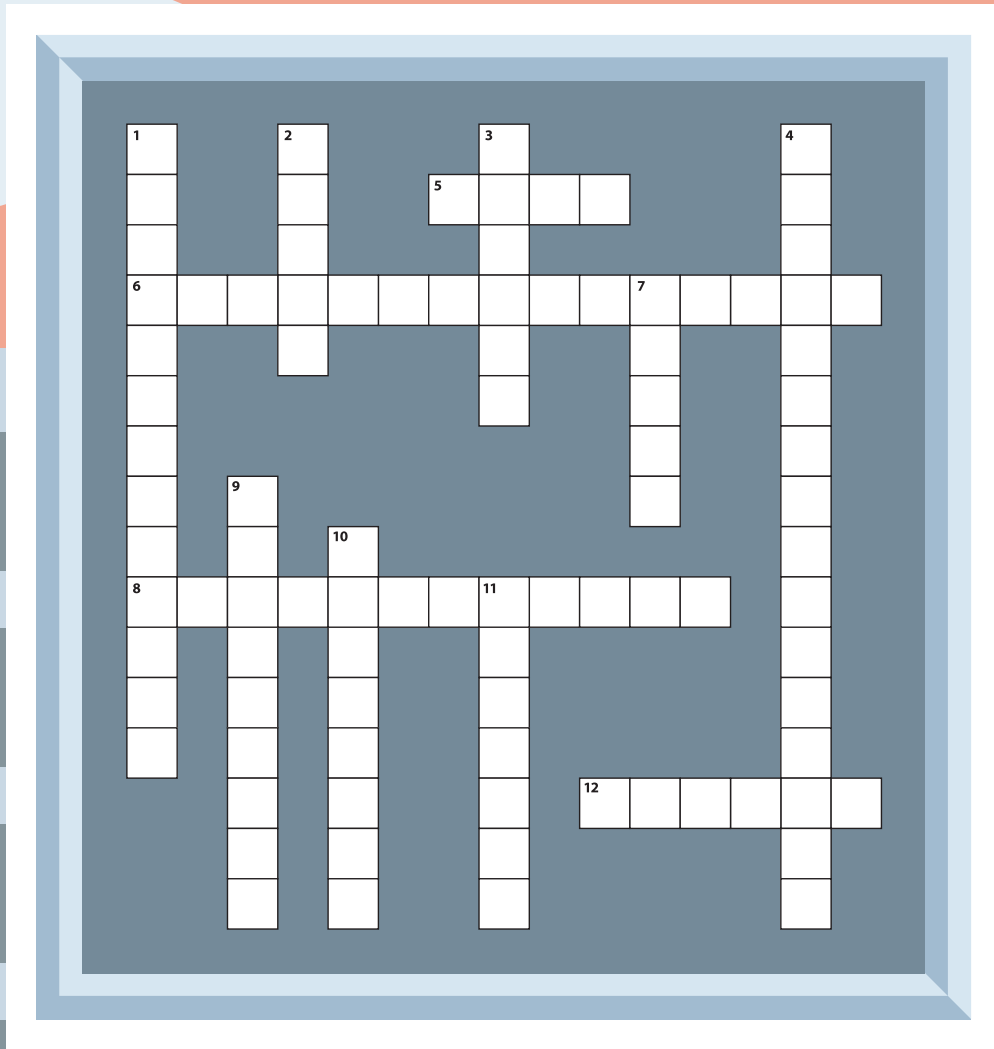
Cut and shape metal using controlled equipment to make precisely sized metal products.

WATER AND WASTEWATER TECHNICIAN

Operate and maintain water treatment plants, distribution of water and wastewater collection and disposal systems.



CROSSWORD



DOWN

1. Operates oil and gas drilling rigs
2. Hand tool with a rotating cutting tip
3. Shapes or joins metal pieces together
4. Install, maintain and repair power generators
7. A solid material that is typically hard and shiny
9. Operates a variety of computer controlled equipment to make precisely sized metal products
10. To preserve or retain
11. Set up or put equipment in place

ACROSS

5. A measure taken to check quality, performance, or reliability of something
6. Make prototypes or special tools, dies, jigs, fixtures, and gauges
8. Someone who programs, sets up and operates metal-cutting computer numerical control machines
12. Fix or mend

Word List

tool and die maker metal dremel hydro
rig technician silver cnc machinist drill
blacksmith position power electrician welder
rig operator continue machinist trial
production worker repair maintain test
install secure

TRANSPORTATION

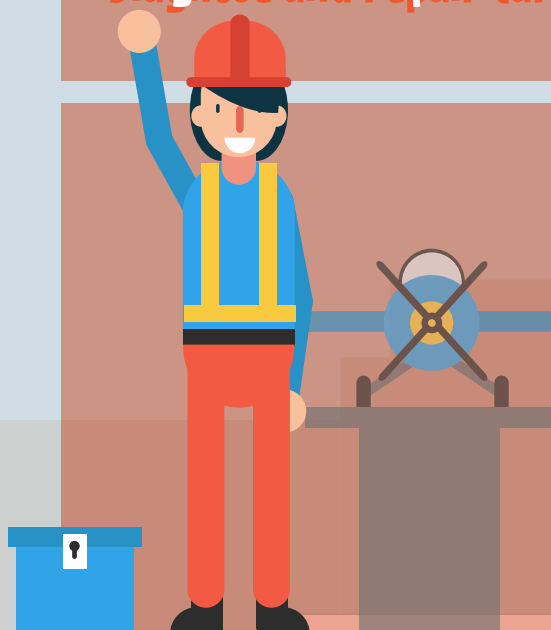
AUTOMOTIVE SERVICE TECHNICIAN

Diagnose and repair cars, vans, trucks.



AIRCRAFT MAINTENANCE JOURNEYPERSON

Service and maintain aircrafts.



AGRICULTURAL EQUIPMENT TECHNICIAN

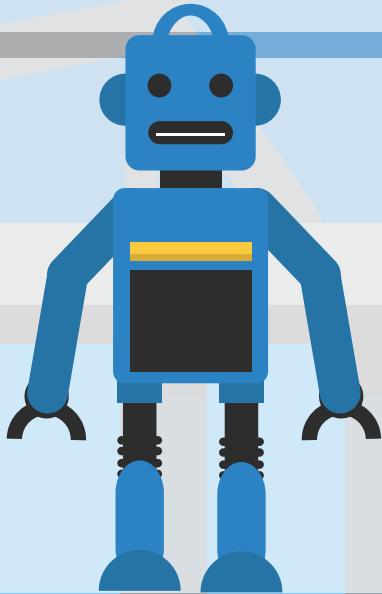
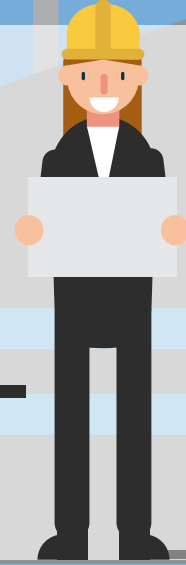
Installs, maintains and repairs farm tractors and machinery.



TECHNOLOGY

ENGINEER

Design and build complex products such as machines, systems, or structures.



ROBOTICS

The design, construction, operation, and application of robots.

TV/VIDEO PRODUCTION

Writing, filming/capturing moving images, and editing.



WORDSEARCH

S R E H P A R G O T O H P R V E
W E B S I T E S W B T O R A I V
S R N C H E G H A T I U O G D R
A T M G M M A R O B R E G S E D
A S O R I E H G E D E S R W O D
R I S A N N R W N I M T A E P A
C G I P E S E A W S A I M E R S
H O O H G H A E W I T H M F O P
I L R I D T O C R T S A E S D I
T O S C C P H O T A F E R T U E
E N L D C O M S R O B O T I C S
C H E E A E A N I T E G S A T I
T C A S T C O M P U T E R S I D
I E L I A N T I O N S E O G O R
A T P G H I A N I M A T I O N O
S G R N A P W S O T G R A N I M

WORD LIST

engineer animation architect
programmer robotics graphic design
software computer video production
photographer website technologist

ESSENTIAL SKILLS



Technical skills are also referred to as “hard skills.” They are acquired through practice and learning. They assist to complete a job or task.

Draw a line between the Essential Skills and photo that matches it.

Numeracy:

how workers, students and people use numbers.

Oral Communication:

use of speech and to give and exchange thoughts and information.

Working with others:

how employees work with others to carry out tasks.

Continuous Learning:

workers/individuals participate in ongoing learning of skills, upgrading and acquiring more information about tasks.

Reading Text:

reading material that is in the form of sentences and paragraphs.

Writing:

involves writing texts and in documents, including typing on a computer.

Thinking:

engaging in the process of evaluating ideas or information to reach a rational decision.

Document Use:

tasks that involve different ways information is displayed such as words, numbers, lines, colours and/or shapes. Ex) graphs, tables, blueprints.

Digital:

tasks that involve the use of a digital instrument or software.



PARTNERSHIPS & SPONSORS

FUNDING PARTNERS



PRINCIPAL PARTNER



EDUCATIONAL PARTNERS



PLATINUM PARTNERS



GOLD PARTNERS



SILVER PARTNERS



BRONZE PARTNERS



CONTRIBUTING PARTNERS

Boyd Autobody & Glass
Bunge
CASA
Community Futures Parkland
Community Futures

Winnipeg River Electrical Association of Manitoba
Flynn Canada
Gardewine

Home Depot
Hudbay
Manitoba Pork
McMunn and Yates
PCL

Sheet Metal Workers International Local 511
Status of Women
United Steel Workers Local 6166

OUR MISSION:

To attract young Manitobans to careers in skilled trades and technologies.

OUR VISION:

Skills Canada Manitoba will be a leader and vital partner in meeting Manitoba's skilled workforce needs.



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