

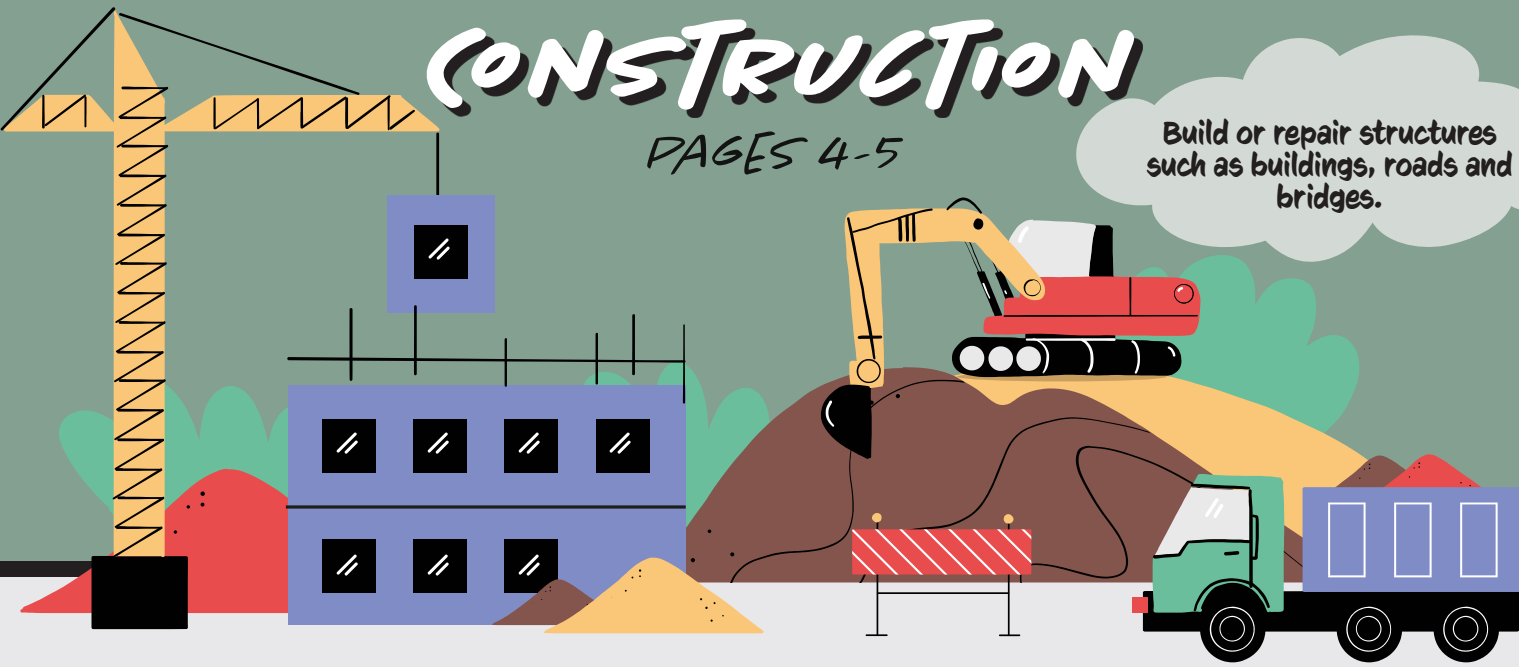
SKILLED TRADES & TECHNOLOGIES



CONSTRUCTION

PAGES 4-5

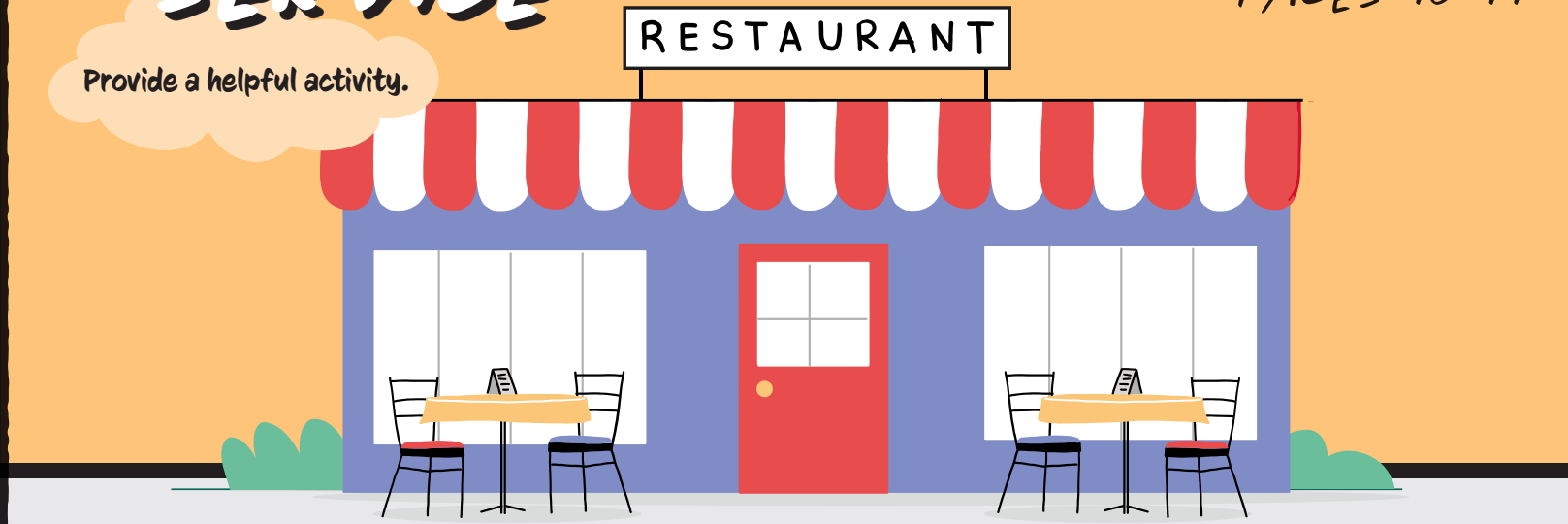
Build or repair structures such as buildings, roads and bridges.



SERVICE

PAGES 10-11

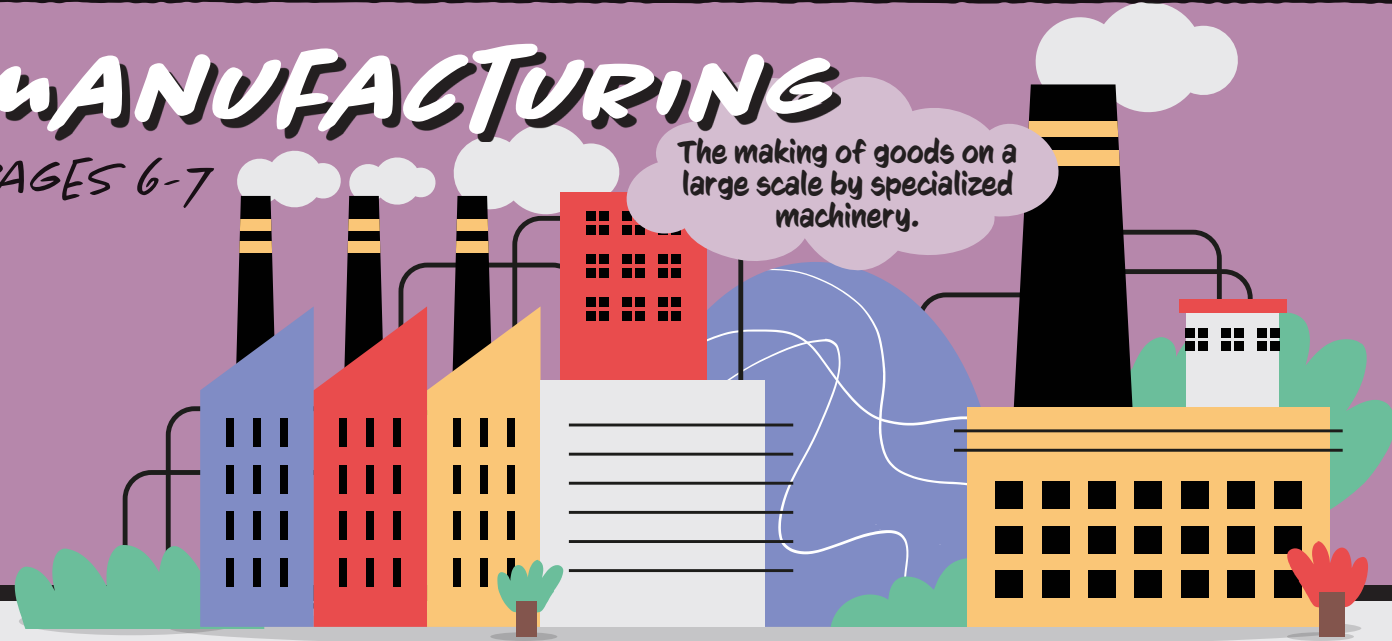
Provide a helpful activity.



MANUFACTURING

PAGES 6-7

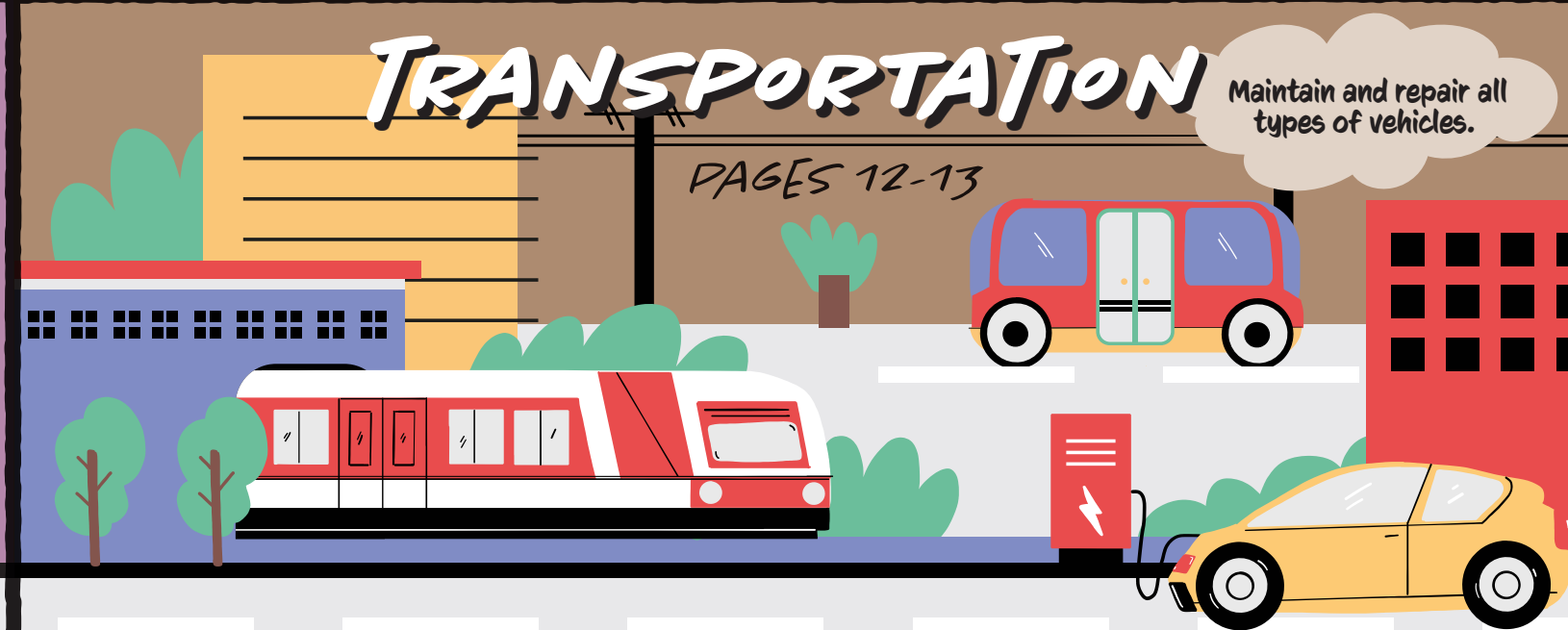
The making of goods on a large scale by specialized machinery.



TRANSPORTATION

PAGES 12-13

Maintain and repair all types of vehicles.



MECHANICAL/ELECTRICAL

PAGES 8-9

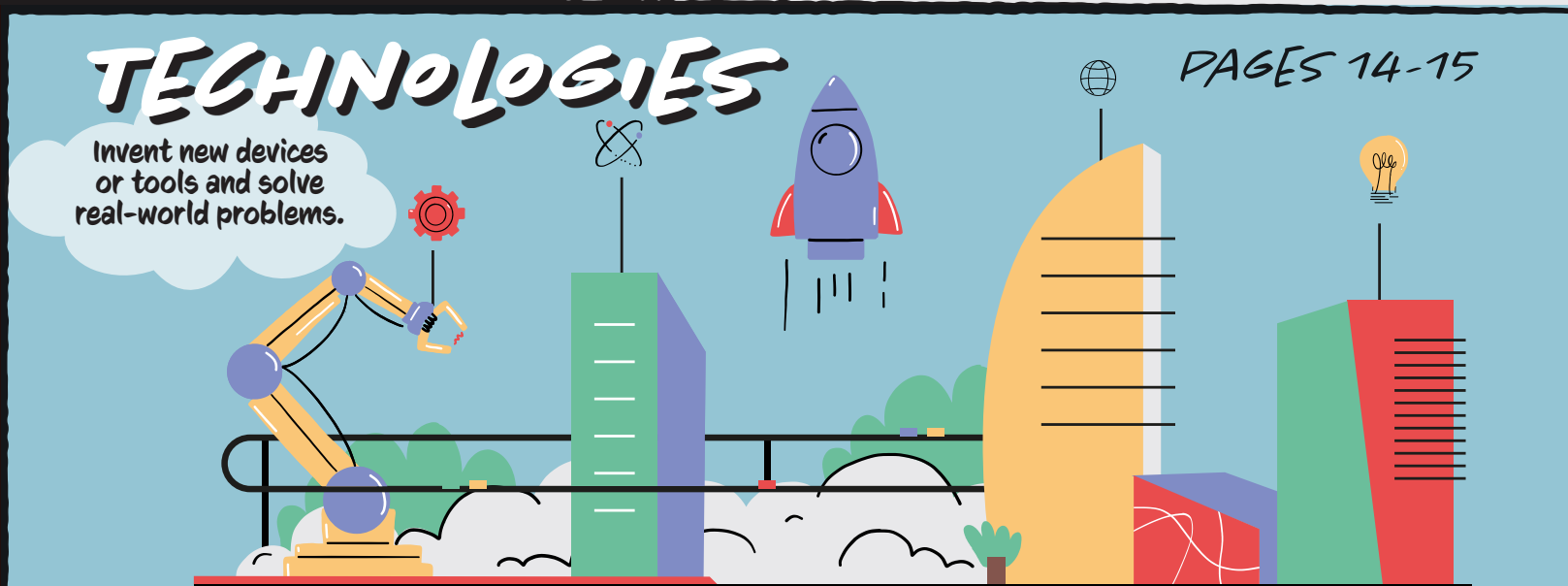
Install, maintain and repair the foundational components of buildings.



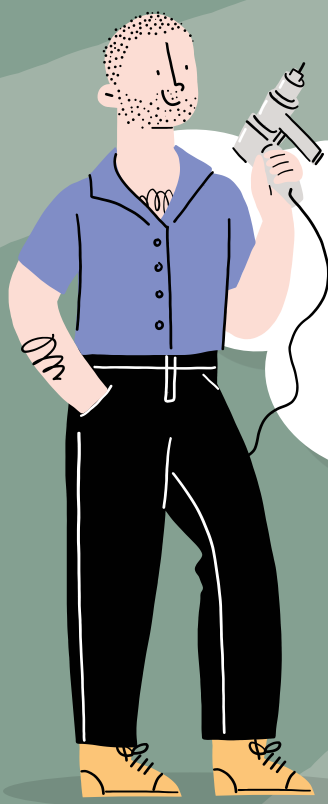
TECHNOLOGIES

PAGES 14-15

Invent new devices or tools and solve real-world problems.



CONSTRUCTION



LATHER
Install support frameworks for ceilings, walls and building partitions.



CARPENTER
Build and repair whole and parts of buildings and other structures.



BRICKLAYER
Using stone, bricks, or concrete blocks, these tradespeople build interior and exterior walls and paths.

LETTER ELIMINATION GRID

As you solve the clues below, cross out the letters from the answer grid.
When you have solved all of the clues correctly, every letter will be crossed out.
You can use each letter only once.

- Using stone, bricks, or concrete blocks, these tradespeople build interior and exterior walls and paths.

- Operates and maintains specific types of cranes that lift, move, position or place machinery.

- Cuts, prepares and handles all glass material for buildings.

- Replace flat and sloped roofs.

B	O	A	I	E	G
A	E	R	R	I	L
O	C	R	Z	K	R
O	F	A	C	E	R
L	P	T	O	E	N
R	E	A	Y	R	R

MANUFACTURING

WELDER

Form, bend and join metals using a variety of welding equipment.



CABINETMAKER

A person who produces furniture, cabinetry and millwork from manufactured materials.



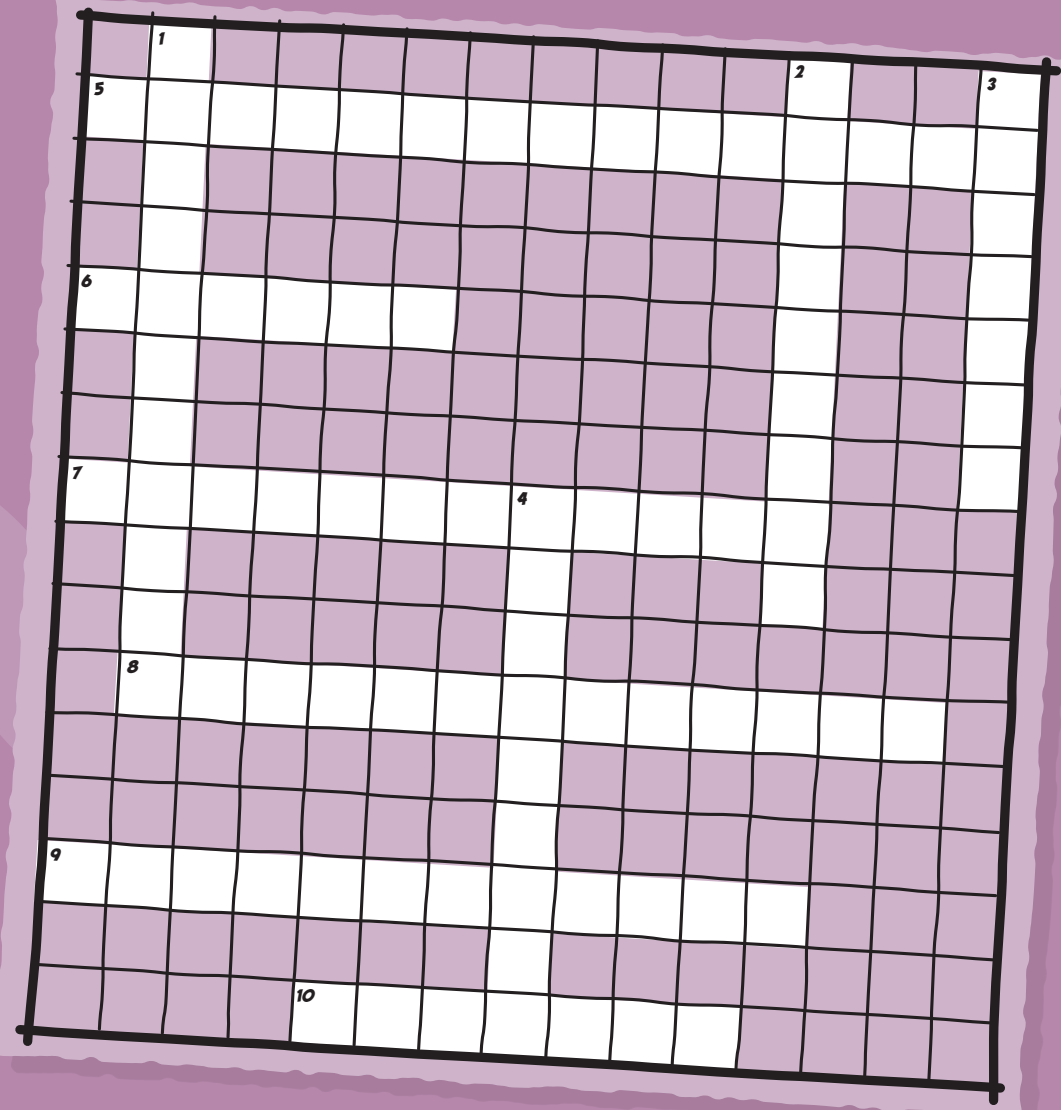
MACHINIST

Set up and operate a variety of machine tools to cut, grind and drill metal into parts or products.



(CROSSWORD

- WORD BANK:
- cnc programmer
 - machinist
 - tool and die maker
 - milling operator
 - iron worker
 - metal fabricator
 - product
 - blacksmith
 - shop
 - boilermaker
 - mill
 - machinery
 - cabinetmaker
 - factory
 - wood worker
 - carpenter
 - rig technician
 - plant
 - drill technician
 - welder
 - equipment
 - instruments
 - cement workers
 - cnc machinist
 - boilersmith
 - workshop



DOWN

- Someone who installs and fits tanks and boilers.
- The working parts of a machine.
- An article that is manufactured for sale.
- Someone who fabricates, assembles and repairs machinery.

ACROSS

- A tradesperson who fabricates, repairs or modifies a wide variety of tools.
- Someone who joins metal by using high heat.
- A person who produces furniture, cabinetry and millwork from manufactured materials.
- Someone who operates oil and gas drilling rigs.
- A tradesperson who programs and operates machines that are controlled by a computer to produce metal or plastic parts.
- A building where goods are manufactured.

MECHANICAL / ELECTRICAL

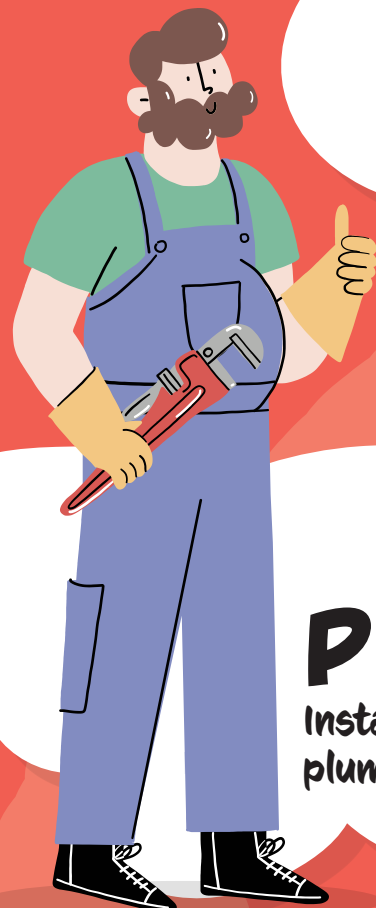
CONSTRUCTION ELECTRICIAN

Install, repair and maintain electrical fixtures that provide heat, light and power.



PLUMBER

Install, maintain and repair plumbing systems.

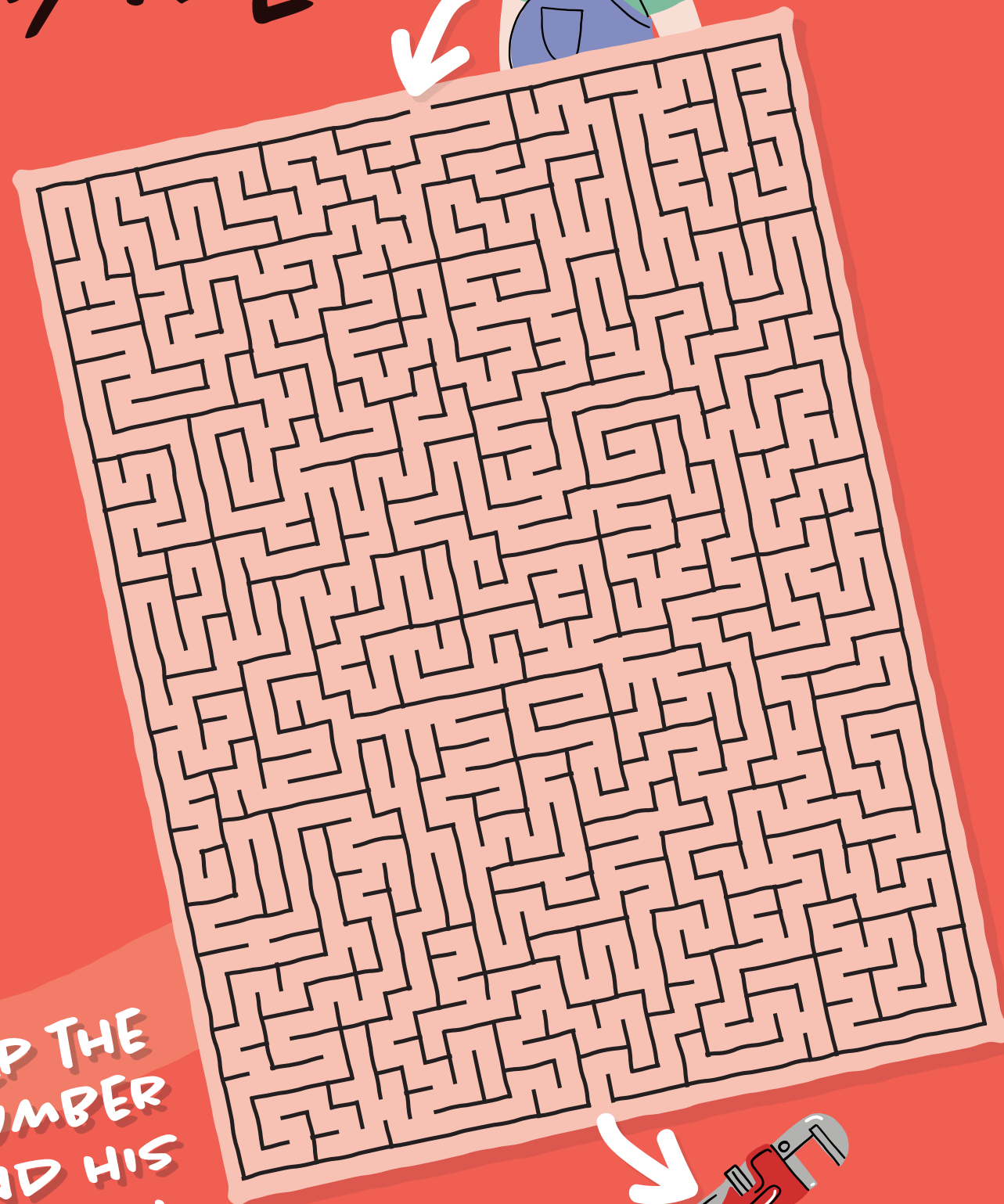


POWER ELECTRICIAN

Install, maintain and repair electrical equipment.



MAZE



HELP THE PLUMBER FIND HIS WRENCH.



SERVICE



COOK

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



ESTHETICIAN

Focus on nail and skin care: pedicures, manicures, facials, lashes/brows.

HAIRSTYLIST

Cuts, colours, styles and chemically treats hair.



WORD SEARCH

WORD LIST

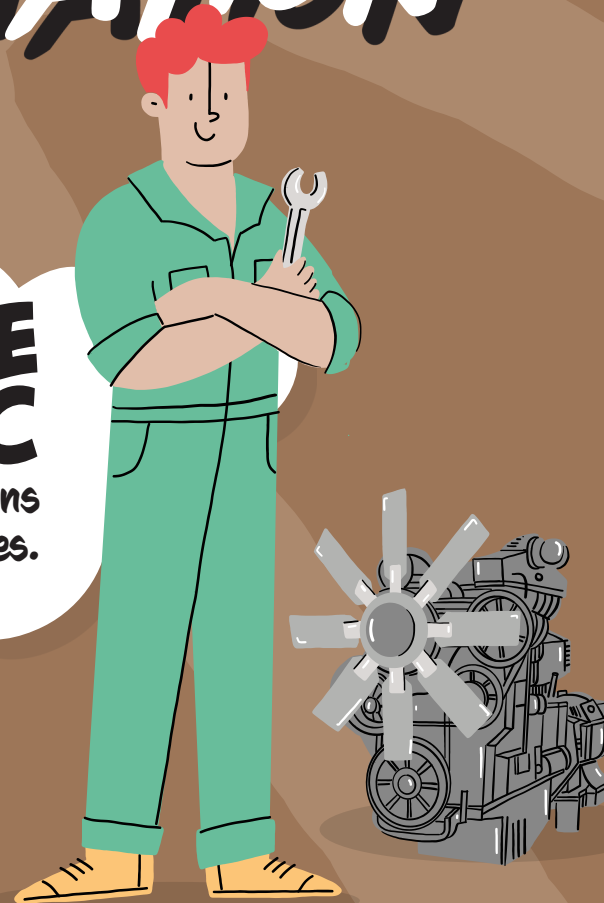
COOK ELECTROLOGIST ESTHETICIAN
 HAIRSTYLIST SCISSORS TREATMENTS
 MENU NAILS FACIAL COLOUR

M	E	A	B	T	Y	S	C	S	S	A	I	L	M	C	A
I	H	T	L	U	I	T	S	R	A	H	E	M	Y	U	O
E	A	H	A	N	U	O	T	R	L	O	G	K	O	O	E
L	K	E	L	E	C	T	R	O	L	O	G	I	S	T	C
D	M	A	R	M	T	A	F	U	K	L	F	I	O	S	S
A	Y	U	M	R	T	E	A	O	A	T	M	E	S	I	E
U	H	M	A	U	L	M	F	A	C	I	A	L	L	A	S
M	E	T	N	N	U	C	O	U	R	T	S	C	I	Y	S
L	A	F	S	N	A	L	I	A	T	S	I	G	R	T	O
E	R	N	A	I	C	I	T	E	H	T	S	E	M	S	B
U	L	O	S	S	E	E	L	E	A	K	O	I	X	R	Z
E	R	C	S	T	A	W	E	S	H	G	R	E	S	I	L
C	B	D	O	B	E	Q	L	P	O	U	T	E	S	A	U
Y	U	A	E	O	S	R	U	O	L	J	G	S	C	U	H
U	T	G	H	E	K	I	O	L	M	E	N	T	S	R	E
L	I	T	T	R	E	A	T	M	E	N	T	S	S	O	R
H	Y	S	L	I	U	Y	B	S	C	I	A	S	T	E	O
C	O	L	H	T	S	Y	E	S	C	I	A	S	T	E	O

TRANSPORTATION

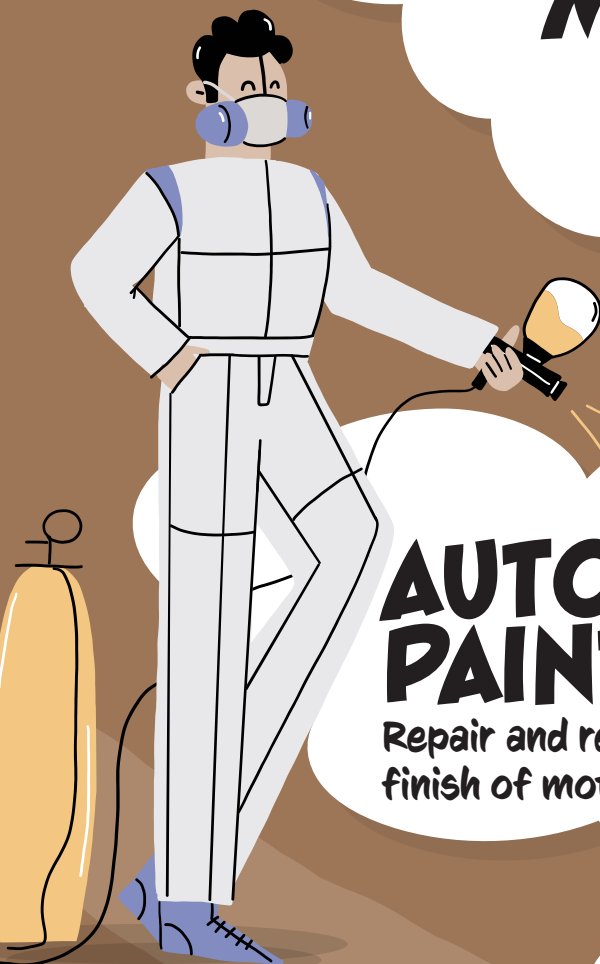
DIESEL ENGINE MECHANIC

Repairs and maintains diesel engines.



AUTOMOTIVE PAINTER

Repair and restore the exterior finish of motor vehicles.



AUTOMOTIVE SERVICE TECHNICIAN

Diagnose and repair cars, vans, trucks and transformers.



LOGIC PUZZLE

Uh oh! There's been a mix up with some of the records at The Skills Tool Shop! Can you help us solve the issue? We remember some of the information for each order, but need your help to piece all of our orders together...

	Ali	Bob	Cat	Dom	Hammer	Pliers	Pry Bar	Screwdriver	Diesel	Heavy	Motor	Railway
July 12												
July 17												
Aug 2												
Sept 5												
Diesel Engine Mechanic												
Heavy Duty Equipment Technician												
Railway Car Technician												
Motor Vehicle Body Repairer												
Hammer												
Pliers												
Pry Bar												
Screwdriver												

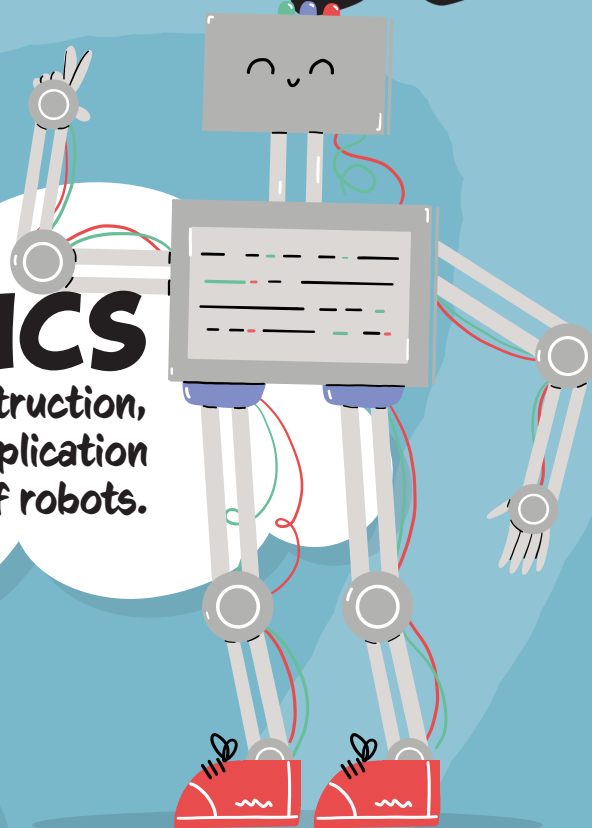
- Both technicians ordered in July.
- The Pry Bar & Pliers were ordered on an even day.
- Ali is a Heavy Duty Equipment Technician who ordered the pry bar on July 12th
- Cat, the Diesel Engine Mechanic was the last to place an order.
- Dom is a type of technician who ordered a screwdriver.
- The Motor Vehicle Body Repairer ordered the pliers on Aug 2.

	Name	Job Title	Tool
July 12			
July 17			
Aug 2			
Sept 5			

TECHNOLOGIES

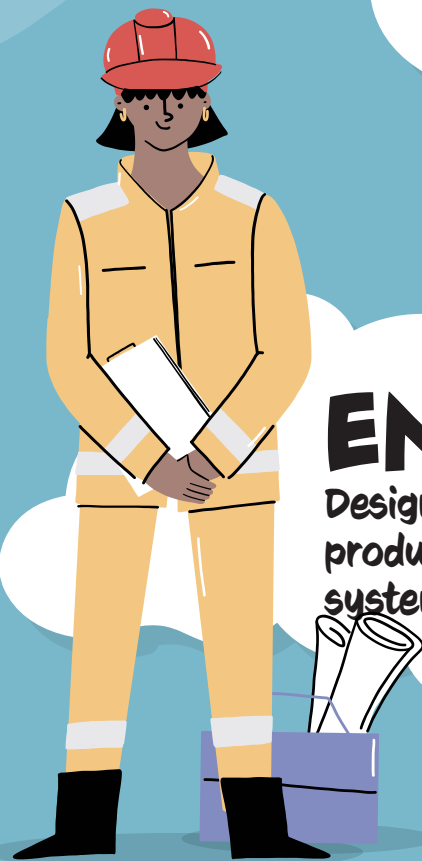
ROBOTICS

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



ENGINEER

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



TV/VIDEO PRODUCTION

Production, Writing, filming/capturing moving images, and editing.



CIPHER

JUST A FEW OF THE MANY JOBS IN TECHNOLOGY!

BKDFKBBO

QBZEKFZFXK

DOXMEFZ ABPFDK

ZLJMRQBO MOLDOXJJBO

OLYLQFZP

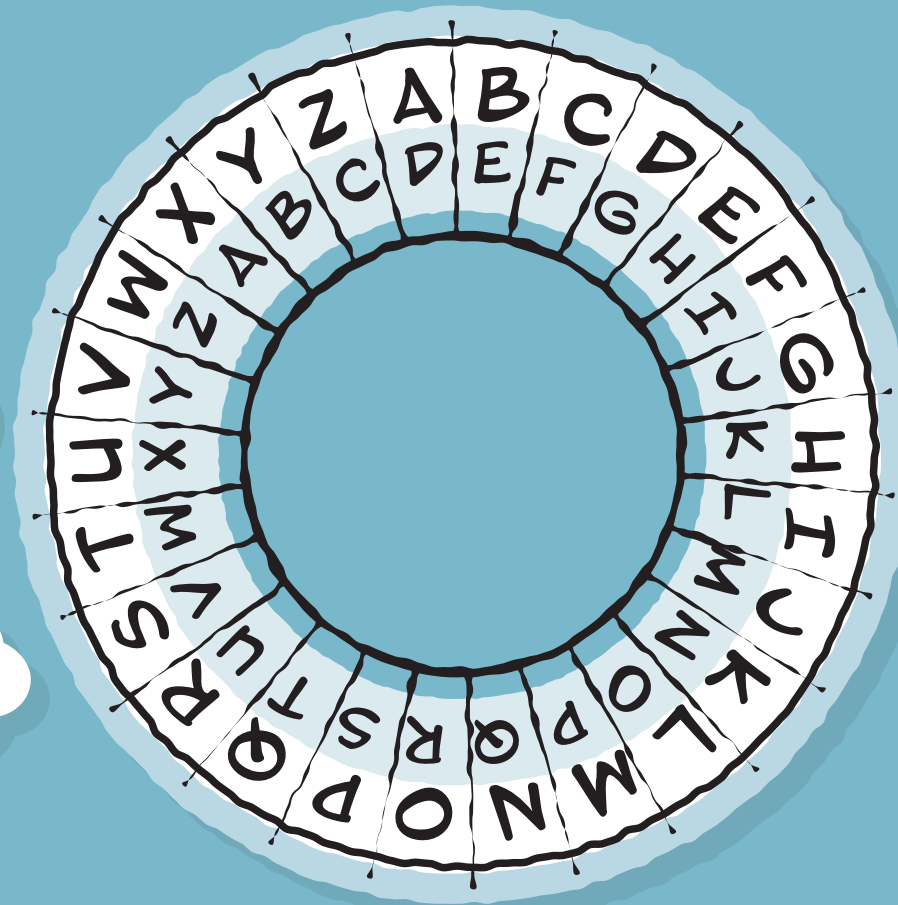
QBZEKLILDFPQ

SFABL MOLARZQFLK

TBYPFQB ABSBILMBO

MELQLDOXMEV

XKFJXQFLK



9+1 SKILLS FOR SUCCESS



GET THE APP!



ADAPTABILITY

We use adaptability to achieve our goals when expected or unexpected change occurs, by planning, staying focused, and overcoming obstacles.

Why this skill is important

Things don't always go according to plan, so it's important for us to be flexible and adaptable to succeed when things change in our lives.



CREATIVITY & INNOVATION

Your ability to imagine, develop, and encourage ideas in ways that are new.

Why this skill is important

Creativity and innovation skills help you come up with new, unique, or "outside the box" ideas or to approach something differently than in the past, both at school and outside school.



READING

Your ability to find, understand, and use information presented through words, symbols, and images.

Why this skill is important

Reading helps you to understand and interpret the meaning within the text.



DIGITAL

Your ability to use digital technology and tools to find, create and share information and content.

Why this skill is important

Digital technology has changed the way you find and share information, solve problems, and communicate with others.



COLLABORATION

Collaboration allows us to work in a team or group to reach a common goal.

Why this skill is important

Strong collaboration skills help you build and maintain positive relationships with others, in school, at work and in other parts of your life.

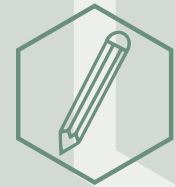


NUMERACY

Your ability to find, understand, use, and report mathematical information presented through words, numbers, symbols, and graphics.

Why this skill is important

Numeracy skills are needed in a wide variety of daily contexts, including managing your finances and making purchases.



WRITING

Your ability to share information using written words, symbols, and images.

Why this skill is important

We write to communicate ideas and information to other people.



PROBLEM SOLVING

Your ability to identify, propose solutions, and make decisions.

Why this skill is important

Strong problem-solving skills will help you gather the right information, identify, and solve problems, and make better decisions.



COMMUNICATION

The act of giving, receiving, and sharing information – in other words, talking or writing, and listening or reading.

Why this skill is important

Strong communication skills help you share information in a way that others can clearly understand.

WHAT IS +1

The +1 represents the Technical Skills necessary for skilled trade and technology careers. Technical Skills relate to expertise someone possesses that assist in the completion of a job or task. In general, these are abilities acquired through practice and learning.

WHAT DO WE RELY ON TRADESPEOPLE FOR? ...and fun facts!

CONSTRUCTION

Make and install:

- windows
- flooring
- roofs
- and other parts that make up buildings

FUN FACT

The Burj Khalifa is the world's tallest building. More than 12,000 people a day worked on it during construction.

MANUFACTURING

- Assemble household appliances
- Create parts for vehicles

FUN FACT

LEGO bricks are so precisely manufactured that 36 bricks can be combined in 915,103,765 ways.

MECHANICAL / ELECTRICAL

- Provide air-conditioning, heat, and running water
- Provide power to buildings

FUN FACT

The oldest known plumbing was found in Pakistan and India, dating from 3,500 BC.

SERVICE

- Cut and style hair
- Cook a wide variety of foods

FUN FACT

In 2001, a pizza was delivered to the International Space Station via a resupply rocket. It was eaten by Russian astronaut Uri Usachov.

TRANSPORTATION

- Helps us travel from one place to another
- Carry goods from location to location

FUN FACT

The Trans-Canada Highway, which runs 7,821 km from St. John's to Victoria, is one of the world's longest highways.

TECHNOLOGIES

- Research and develop new systems and software
- Interpret data to design and create useful tools and products

FUN FACT

Nintendo was founded in 1889 as a playing card company. They didn't make their first video game until 1978.

PARTNERSHIPS & SPONSORS

Funding Partners

Funded in part by the Government of Canada's Canadian Apprenticeship Strategy



Principal Partner



Educational Partners



Platinum Partners



Gold Partners



Silver Partners



Bronze Partners



Contributing Partners

Boyd Autobody & Glass

Bunge

Community Futures Parkland

Community Futures Winnipeg River

Manitoba Pork

PCL

Sheet Metal Workers International Local 511

Status of Women

United Steel Workers Local 6166

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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.



www.skillsmanitoba.ca



Activity Book 2024/2025