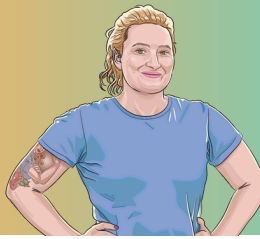


# Welcome to Future You



**Future You is a free program that gets kids aged 8 to 12 interested in STEM (Science, Technology, Engineering, and Mathematics) subjects and careers.**

Future You addresses stereotypes, misconceptions and biases about science, technology, engineering and mathematics (STEM). It's designed to increase participation in STEM by inspiring children aged 8 to 12 to explore STEM themes.

## What do we offer?

- Free classroom resources aligned with the Australian Curriculum V9.0.
- Five STEM-fiction stories to excite imaginations and inspire exploration.
- First-hand accounts from people using their STEM skills to make the world a better place.
- Information and practical tools for parents and kids about STEM skills and careers.

Here are two sets of resources we think you'll love using in your classroom:

### Pathfinders

Introduce your students to interesting people working with STEM skills to make the world a better place. We know how important role models are for inspiring young people's career choices, and you can't be what you can't see, which is why we have interviewed fascinating people who come from various backgrounds to ensure every child can see themselves working in STEM.

### Imagining the Future

Take your class on an incredible journey into the world of space exploration with Imagining the Future. Set in the vastness of space, these five stories delve into different sectors of STEM, offering a captivating exploration of robotics, AI, climate change, resource management and more. These stories will inspire your students to envision their own STEM space careers.

## Classroom activities

We've developed practical activities you can use in your lessons to make learning experiences socially relevant. Did we mention they're aligned to the Australian Curriculum V9.0?

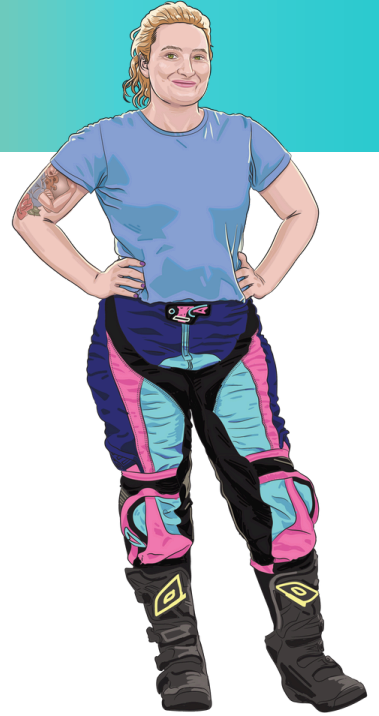
## See you in the future

We have developed a wide range of free resources to support teachers, parents and kids to discover the amazing world of STEM. Discover them all at

**[www.futureyouaustralia.com.au](http://www.futureyouaustralia.com.au)**

# FUTUREyou

# What's in this pack



This pack includes activities that are all related to Louise's film. Each Pathfinder has its own Teacher's Pack. You can find them on their individual pages or on the resources page under the *Pathfinders* or *Teach* tabs.

Our Imagining the Future short-fiction series also includes fantastic resources you can use in the classroom. The Bloom's Taxonomy and Gardner's Multiples Intelligences activity matrix includes a wide range of activities for your lesson plans that cover multiple areas and year levels in the Australian Curriculum V9.0.

## **Capability Convos**

A short starter activity that can be adapted to other uses to get students thinking about the General Capabilities statements in the National Curriculum V9.0

## **Comprehension questions**

Watch Louise's Pathfinder film as a class or individually, and then your students can practise their comprehension skills by answering these questions (answers included).

## **Career information sheet - for adults**

This document provides practical advice for adults who are looking for ways to support students in understanding the different pathways they can take into specific career roles. This information sheet can also be passed on to parents if a student demonstrates an interest in a particular career area.

## **Classroom wall poster**

An attractive poster that can be printed out and placed on a wall to highlight some of the skills required in Meredith's career so students can see themselves reflected in those skills.

## **Student skills brain break**

Students can undertake this activity for mindfulness while thinking about their own skills and talents.

## **Word-search answers**

The student's pack includes a word search with words relevant to Louise's career. Find the answers here.

# Capability Convos

Australian Curriculum V9.0 links for  
Years 3 to 7

**English**

- Language
- Literacy

**General Capabilities:**

- Critical and Creative Thinking
- Personal and Social Capability
- Ethical Understanding
- Literacy

## Learning outcomes:

All students will be able to:

- identify some likes, dislikes, strengths, abilities and/or interests when showing a personal preference
- acknowledge that people have different needs, emotions and abilities

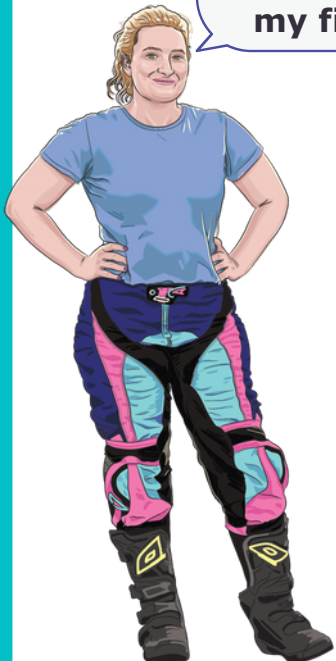
In addition, some students will be able to:

- describe the ways they are connected and can contribute to their community groups

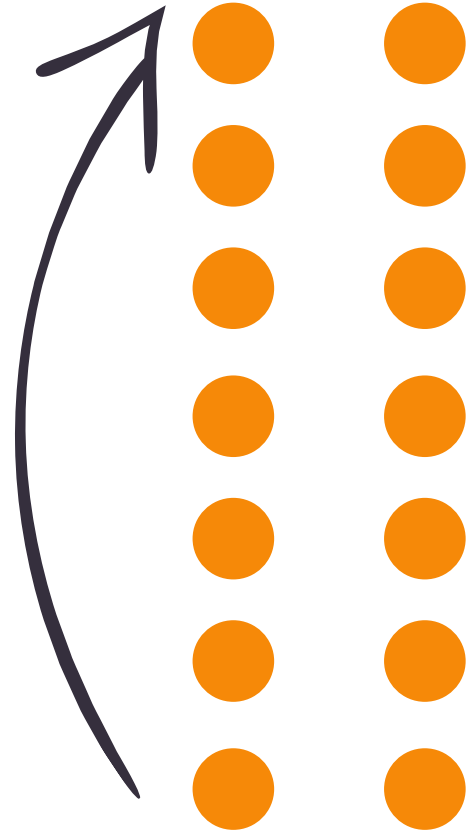
## Format

- Interactive game with 10 questions
- Easy to play
- Watch Louise's film with the class
- Print the questions
- Play the game
- Modify or include new questions based on students' needs

Scan this QR code to watch  
my film.



SCAN ME



## Instructions for students

Line the class up in two lines facing each other to form pairs. Ask the first question. Once each pair has discussed it, get one line to move one person to their right. The person at the end runs around to the other end of the line. Then you ask the next question and repeat the process until all the questions have been asked.

# Louise Mechanical Engineer

## Question 1

What do you think is interesting about Louise's career?

## Question 6

How do you think Louise's career contributes to society?

## Question 2

What skills does Louise have that you also have, and does she have any skills you don't have that you would like to have?

## Question 7

How could this career be done in a rural or remote setting?

## Question 3

How might technology change this career in the future?

## Question 8

What are some tools you think Louise would need to use on the job?

## Question 4

Why do you think it's important to find a career that suits your skills and personality?

## Question 9

How important do you think it is for Louise to be able to work independently and why?

## Question 5

How are your current interests and hobbies similar to Louise's career?

## Question 10

What kinds of heavy vehicles have you seen that you think Louise would work on? How do you think Louise would maintain or repair them?

# Comprehension Questions

Australian Curriculum V9.0 links for Years 3 to 7

English  
• Literacy

General Capabilities:  
• Literacy

## Learning outcomes:

All students will be able to:

- Identify that all people have strengths and weaknesses
- Actively think about what is happening in a video while they are watching it
- Apply comprehension strategies to different media formats

In addition, some students will be able to:

- Identify different reasons for doing different jobs

## Instructions:

- Format/print the students' question sheets (or load them onto school LMS) and direct students to a copy.
- Read the questions as a class to start, discussing any meanings
- Discuss with the class strategies for being able to answer the questions as the film plays
- Watch Louise's film with the class, encouraging students to answer questions as you go

Adaptation note: Questions can be modified on the PDF to meet students' needs or learning focus areas in your classroom

## Comprehension questions

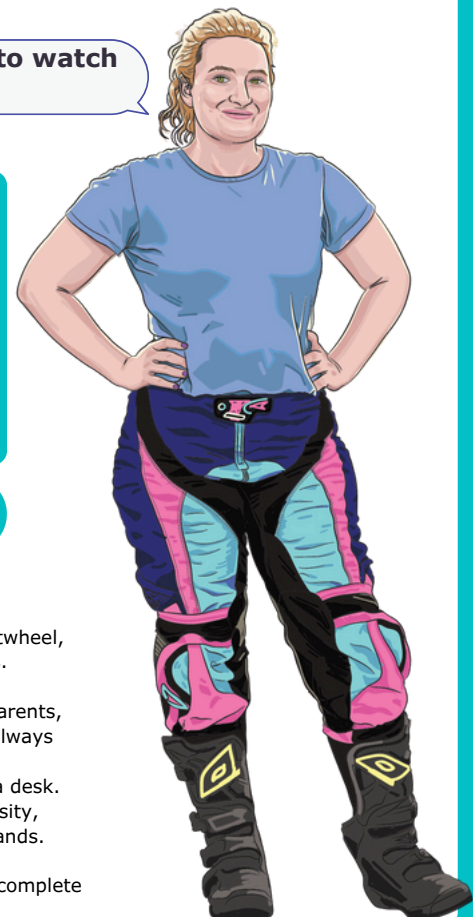
1. Name FOUR things Louise can do.
2. Name two things Louise CAN'T do.
3. How did Louise feel different from her friends growing up?
4. What decision did Louise make about a career sitting at a desk when she was still at school?
5. What led Louise into the mechanical field?
6. What is Louise's first level of satisfaction?
7. What is Louise's second level of satisfaction?

Scan this QR code to watch my film.



Answers:

1. Ride a motorbike, do a cartwheel, teach people, fix big things.
2. Can't spell, can't sit still.
3. She was always with her parents, outside. Her friends were always inside.
4. She wasn't going to sit at a desk.
5. Didn't want to go to university, wanted to work with her hands.
6. Completing a job.
7. Teaching someone else to complete a job.



## Comprehension questions

Name **FOUR** things Louise can do.

- 1.
- 2.
- 3.
- 4.

How did Louise feel different from her friends growing up?

Name **TWO** things Louise can't do.

- 1.
- 2.

What led Louise into the mechanical field?

What is Louise's first level of satisfaction?

What decision did Louise make about a career sitting at a desk when she was still at school?

What is Louise's second level of satisfaction?



# Heavy Vehicle Mechanic

**Louise** is a heavy vehicle mechanic. She started her apprenticeship at 15 and repairs and maintains heavy vehicles like trucks, semitrailers and buses. She also trains and mentors other tradespeople in heavy vehicle and plant mechanics. Find out more:

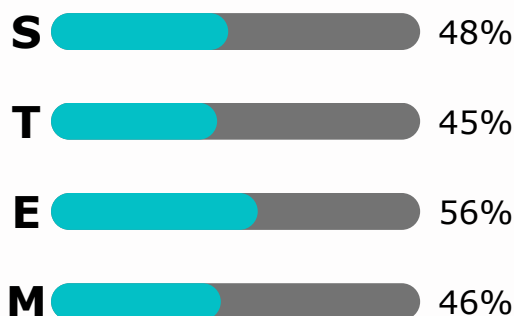
[futureyouaustralia.com.au/pathfinders/louise](https://futureyouaustralia.com.au/pathfinders/louise)



*'The idea of going to University didn't appeal to me at all. I wanted to work with my hands.'*

## STEM Meter

How much Science, Technology, Engineering and Mathematics (STEM) does this job use?



Source: [jobsandskills.gov.au](https://jobsandskills.gov.au)

## Job stats and facts

**Location:** 49% of heavy vehicle mechanics live outside capital cities.

**Employment pathways:**  
A certificate III in a relevant mechanical field.

### 3 STEM skills required for this job

Arithmetic: Fractions & conversions

Troubleshooting

Problem-solving

### Subjects to develop these skills

Mathematics, Science

Science, Mathematics, Digital Technology

Design and Technologies, Digital Technology

### 3 other jobs that value this skill

Business Intelligence Analyst, Accountant, Pharmacist

Principal, Marketing Manager, Dentist

Social Worker, Air Traffic Controller, Chemist

# Other careers related to this line of work



## Engineering

Marine Engineer  
Mechatronics Engineer  
Robotics Engineer  
Industrial Engineer  
Electrical Engineer



## Driver

Delivery Driver  
Truck Driver  
Train Driver  
Tow-Truck Driver  
Forklift Driver



## Retail

Rental Salesperson  
Service Station Attendant  
Automotive Sales Manager  
Sales Representative  
Vehicle Detailer



## Education

Driving Instructor  
Automotive Technical Trainer



## Automotive

Panelbeater  
Motor Mechanic  
Vehicle Body Builder  
Vehicle Painter  
Tyre Technician

The world is changing rapidly, and this means the career possibilities available to our kids are wide-ranging and exciting (and probably don't exist yet!).

From traditional vocations to emerging fields, there are countless pathways to be explored.

Parents and teachers can create environments that encourage kids to discover and investigate possible careers that match their skills and interests.

We've included some links to other valuable resources that can help guide career conversations and explorations. Find out more at:

**[www.futureyouaustralia.com.au/resources/#other](http://www.futureyouaustralia.com.au/resources/#other)**



# Louise is a Fixer

## DOESN'T LIKE

sitting still  
or spelling

## LOVES

working with her hands  
and being outdoors

## CAREER

Heavy vehicle mechanic

## STUDIED

heavy commercial vehicle  
apprenticeship at 15

## EXPERT ON

fixing big things  
and plant machines

## GREW UP

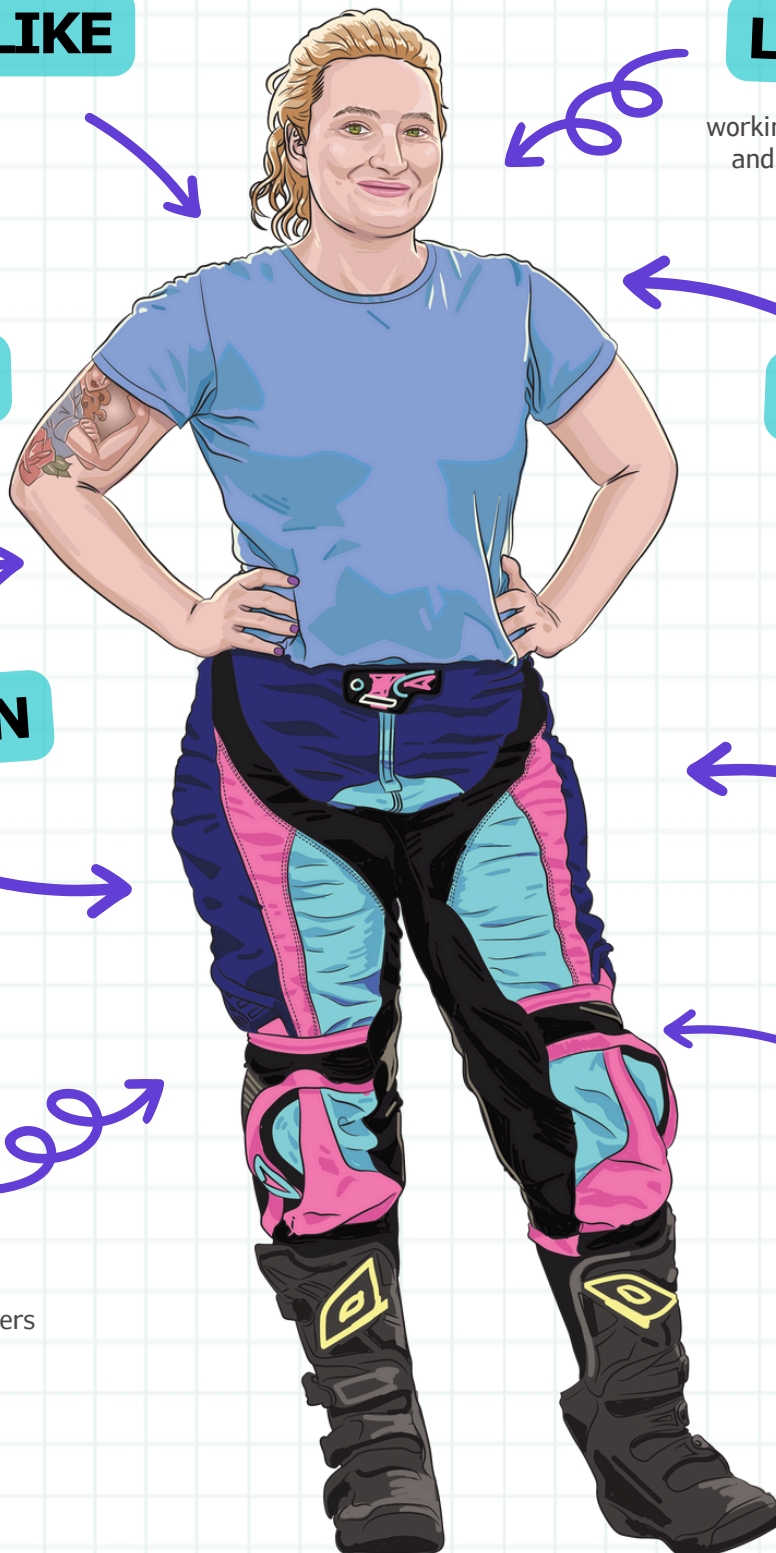
on a farm

## CAN

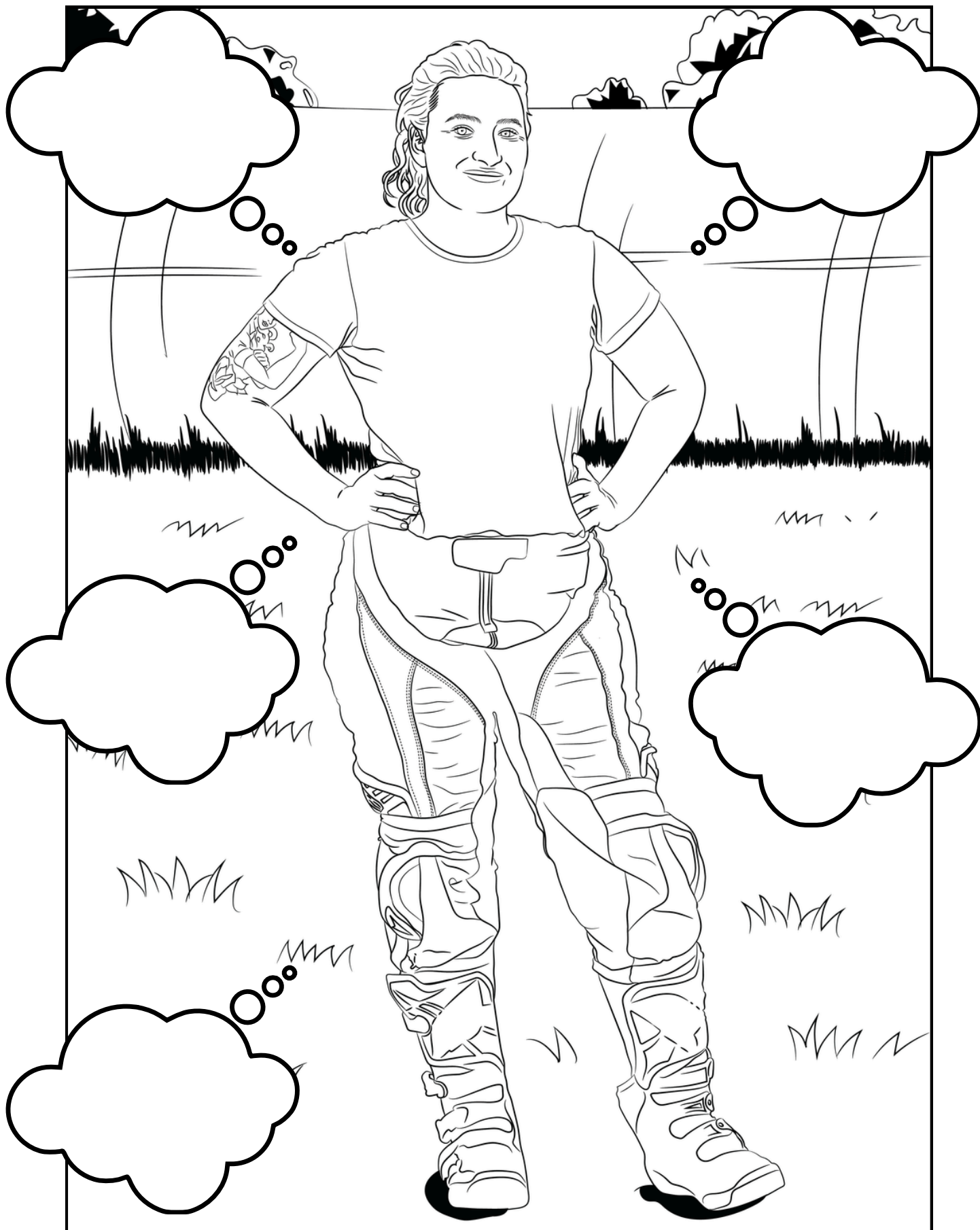
ride motorbikes, do a  
cartwheel, and teach others  
how to fix big things

## WANTS TO

support other women doing  
apprenticeships and trades  
to succeed

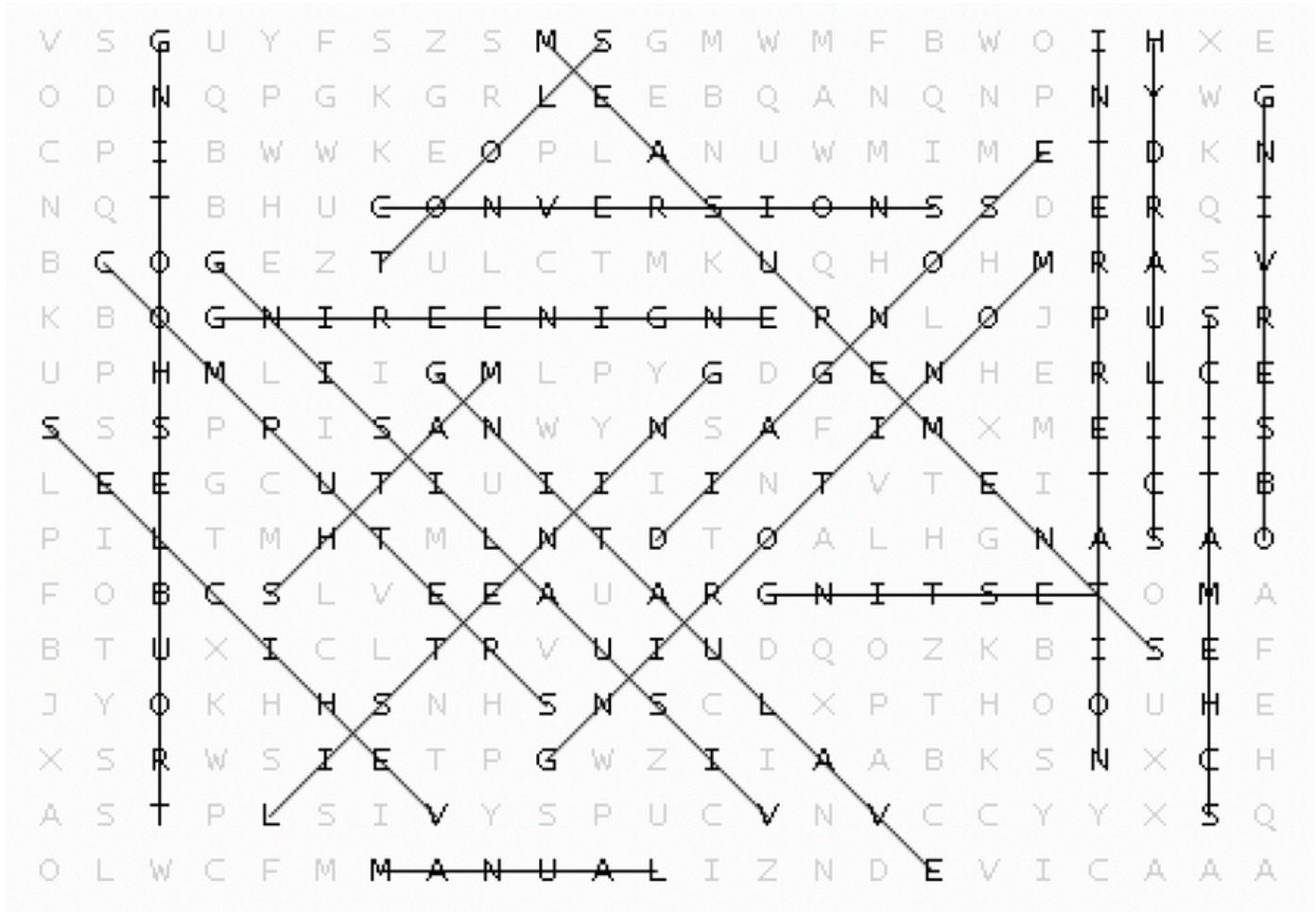


Meet Louise. She's a heavy vehicle mechanic. Fill in the bubbles with 5 STEM (Science, Technology, Engineering and Mathematics) skills she uses in her job. Which of these skills do you think is most important? Which do you think would be the hardest to develop? When you've thought of the skills, colour in the rest of the image.



# Pathfinder Workwords

## Answers



### Let's reflect

Were any of these words new to you? Look them up and find out what they mean.

Which of these skills do you think you are best at, or would like to get better at?

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

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

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

Can you think of anything else Louise might need to do her job?

\_\_\_\_\_

