

Welcome to Future You



Future You is an initiative from the Australian Government's Women in STEM Ambassador, funded and supported by the Commonwealth Department of Industry, Science and Resources.

Future You addresses stereotypes, misconceptions and biases about science, technology, engineering and mathematics (STEM). It's a free program 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

FUTUREyou

What's in this pack

This pack includes activities that are all related to Bardie's career. 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

Read about Bardie's career journey 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 Bardie'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 Bardie'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

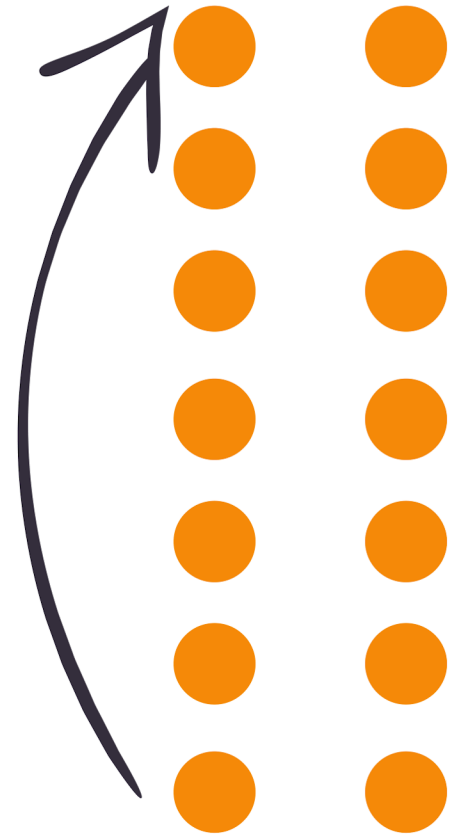
In addition, some students will be able to:

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

Format

- Interactive game with 10 questions
- Easy to play
- Read about Bardie's job and journey with the class
- Print the questions
- Play the game
- Modify or include new questions based on students' needs

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out more about 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.

Bardie Carpenter

Question 1

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

Question 2

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

Question 3

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

Question 4

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

Question 5

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

Question 6

What sort of problems do you think Bardie might have doing this job in a rural or remote location?

Question 7

How much maths do you think Bardie uses in her job? Can you think of five examples of when she would use maths?

Question 8

What tools or technology do you think Bardie would use at work?

Question 9

How important in Bardie's work is teamwork and communication? Think of an example.

Question 10

What do you think would be the biggest challenge in pursuing a career as a carpenter?

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 various texts as they read them
- 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
- Read Bardie's questionnaire and 'Day in the Life' as a 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 three things Bardie is good at.
2. And two things Bardie CAN'T do.
3. What qualifications does Bardie have?
4. What four things does Bardie love about her job?
5. What work did Bardie do when she first started her university degree?
6. What made Bardie switch from a Fine Arts degree to an apprenticeship?
7. How does Bardie's job help people at an advanced level?
8. What is Bardie passionate about for her future?

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Answers:

1. Solving problems, creating an enjoyable atmosphere on the worksite, and tearing up the dance floor.
2. Catch a ball and keep her tool belt organised.
3. Certificate III in Carpentry and Joinery
4. Using my hands to bring a vision to life, problem-solving, creating incredible projects and working with great people
5. Worked in bars
6. She worked as a labourer and really enjoyed it so much that she changed.
7. Bring their dreams, visions and needs into reality.
8. Creating a healthier, safer and better industry



Comprehension Questions

Name three things Bardie is good at.

- 1.
- 2.
- 3.

Name TWO things Bardie can't do.

- 1.
- 2.

What qualifications does Bardie have?

What four things does Bardie love about her job?

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

What work did Bardie do when she first started her university degree?

What made Bardie switch from a Fine Arts degree to an apprenticeship?

How does Bardie's job help people at an advanced level?

What is Bardie passionate about for her future?

Carpenter/ Site Manager

Bardie is a qualified carpenter and site manager who loves problem-solving and working with her hands. After becoming a labourer while studying for a Bachelor of Fine Arts, Bardie discovered a flair for carpentry and decided to pursue an apprenticeship. Find out more:

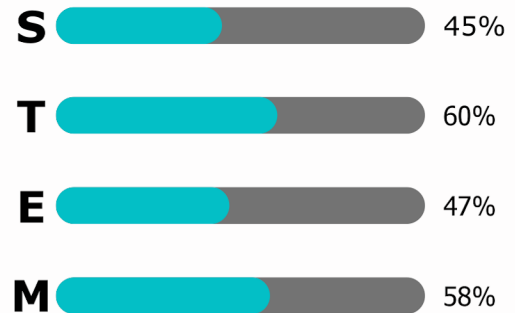
futureyouaustralia.com.au/pathfinders/bardie



'I want my career to continue to help me work with purpose and intent for those in the industry now, and in the generation to come.'

STEM Meter

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



Source: jobsandskills.gov.au

Job stats and facts

Future job growth: Over the next five years jobs in this industry are expected to remain stable.

Location: 37% of carpenters live outside capital cities.

Employment pathways: A certificate III in a relevant carpentry field.

3 STEM skills required for this job	Subjects to develop these skills	3 other jobs that value this skill
Critical thinking	Science, Mathematics, Digital Technology	Data Analyst, Clinical Psychologist, Software Developer
Mathematics	Mathematics	Actuary, Data Scientist, Commodities Trader
Problem solving	Design and Technologies, Digital Technology	Teacher, Engineer, Marketing Manager

Other careers related to this line of work

People

Interior Designer
Home Inspector
Home Accessibility Specialist
Residential Project Manager
Community Outreach Carpenter

Education

Carpentry Instructor
Trade School Instructor
Environmental Educator
Mentor

Carpentry

Timber Framer
Carpentry Safety Consultant
Disaster Relief Carpenter
Custom Woodworker
Home Renovation Carpenter

Nature

Arborist
Park Ranger
Conservation Coordinator
Wetland Restoration Carpenter
Wildlife Habitat Restoration Specialist

Sustainability

Conservation Carpenter
Tiny Home Builder
Sustainable Woodworker
Geodesic Dome Builder
Nature-Based Playground Designer

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

Bardie is a carpenter

CAN'T

catch a ball or keep her toolbelt organised

LOVES

solving problems and using her hands to bring a vision to life

CAREER

qualified carpenter and site manager

STUDIED

Certificate III in carpentry and joinery at TAFE

EXPERT ON

working with people to bring their dreams, visions and needs into reality.

WANTS TO

create a healthier, safer and better industry for everyone

CAN

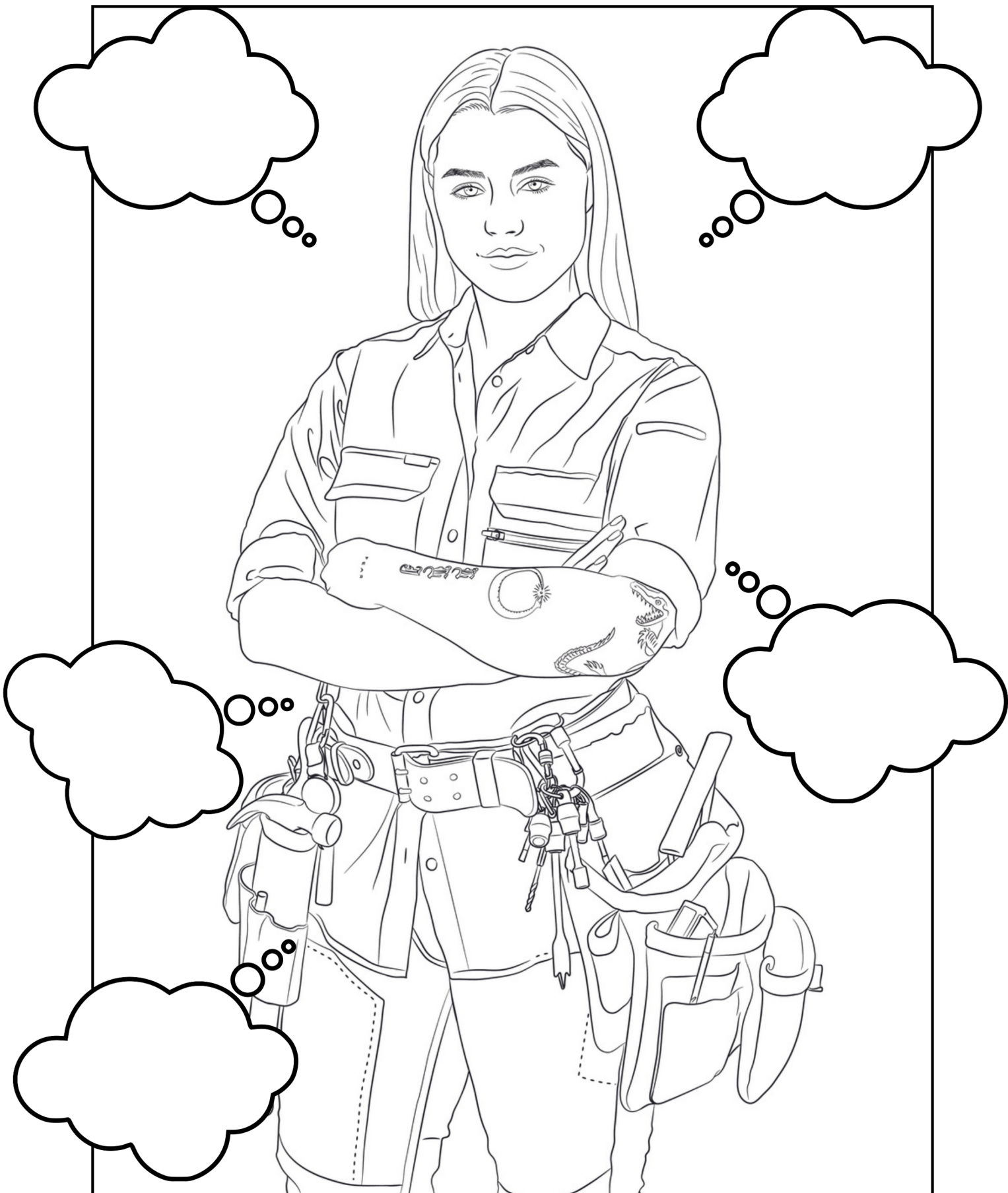
tear up the dance floor and solve problems

AT SCHOOL

enjoyed earth and environmental sciences and maths

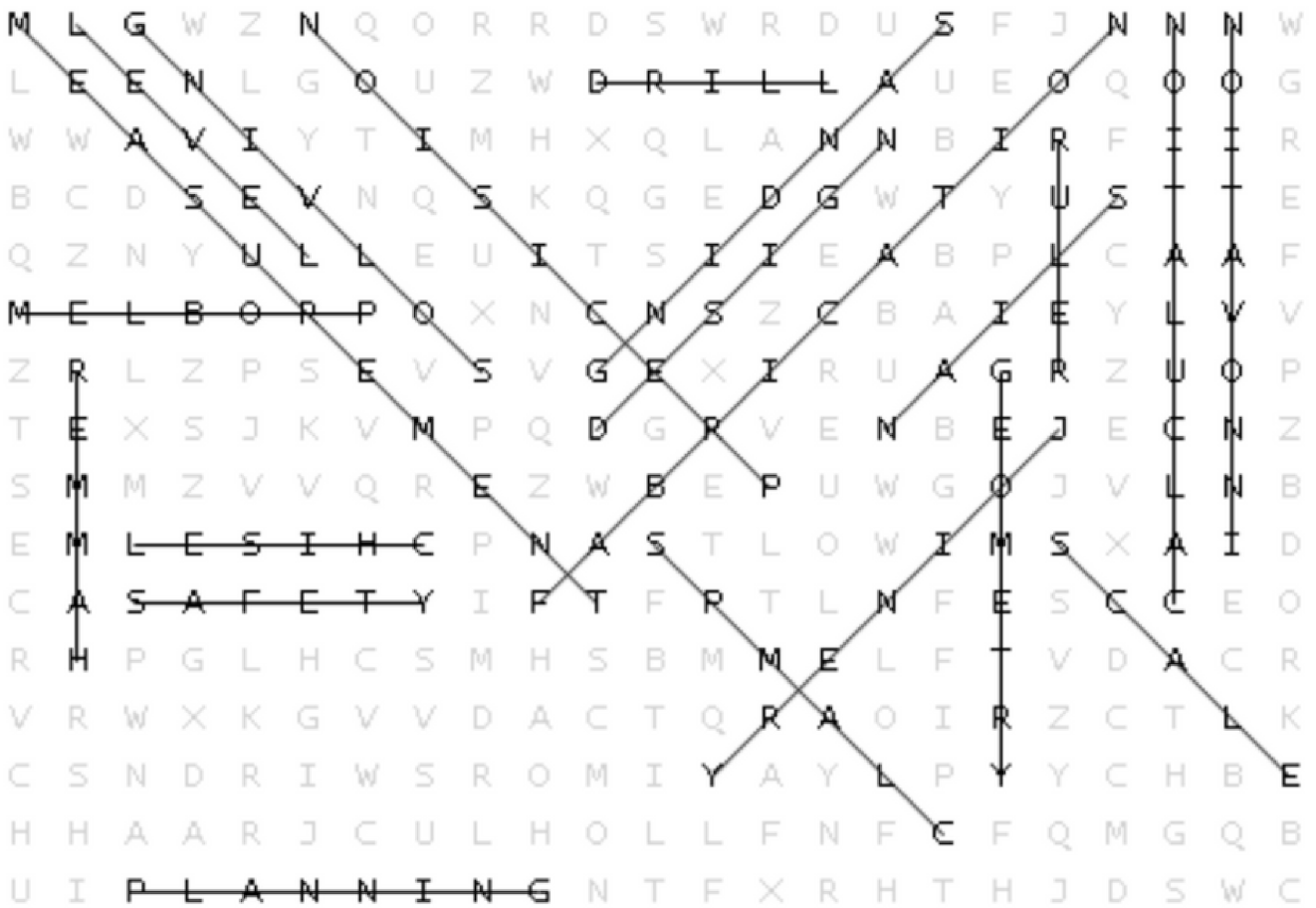


Meet Bardie. She's a carpenter who loves bringing people's visions to life. Fill in the bubbles with 5 STEM (Science, Technology, Engineering and Mathematics) skills she uses in her job. Which of these skills do you think is most important? Which do you think would be the hardest to develop? When you've 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 Bardie might need to do her job?

