

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 Jamie'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 Jamie'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 Jamie'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 Jamie'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

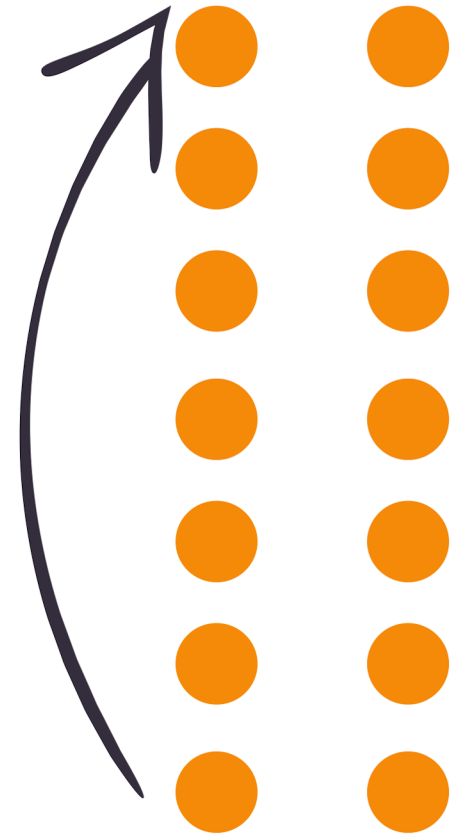
In addition, some students will be able to:

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

Format

- Interactive game with 10 questions
- Easy to play
- Read about Jamie'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.

Jamie Patisserie chef

Question 1

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

Question 2

What skills does Jamie have that you also have, and does he 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 Jamie's career?

Question 5

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

Question 6

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

Question 7

How much maths do you think Jamie uses in his job? Can you think of five examples?

Question 8

What kinds of tools or technologies do you think Jamie would use at work?

Question 9

How important in Jamie'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 patisserie chef?

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 Jamie'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 TWO things Jamie is good at.
2. And two things Jamie CAN'T do.
3. What qualifications does Jamie have?
4. What does Jamie love about his job?
5. What does Jamie do when he first gets to work?
6. How does Jamie's job help make the world better for people?
7. What does Jamie want to do in the future?
8. How does Jamie get to work?

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Answers:

1. Cooking and lifting weights.
2. Draw or be patient
3. A certificate in kitchen operations and commercial cookery.
4. Seeing the joy and happiness on people's faces when they eat his desserts brings Jamie joy.
5. He opens the shop, turns on the ovens and the coffee machine.
6. The products Jamie can make can be eaten by people with dietary needs, like people who are lactose intolerant or have egg allergies etc.
7. Open his own cafe where people can have fun while they eat good food.
8. He walks to the train station, catches a train to the CBD and then catches another train, and then a bus.



Comprehension Questions

Name TWO things Jamie can do.

1.

2.

What does Jamie do when he first gets to work?

Name TWO things Jamie can't do.

1.

2.

How does Jamie's job make the world better for people?

What qualifications does Jamie have?

1.

2.

What does Jamie want to do in the future?

What does Jamie love about his job?

How does Jamie get to work?

Patisserie Chef

Jamie is a third-year patisserie chef apprentice who enjoys seeing the joy on people's faces when they eat his desserts. Jamie has a Cert II in Kitchen Operations and a Cert II in Commercial Cookery and dreams of opening his own cafe in the future. Find out more:

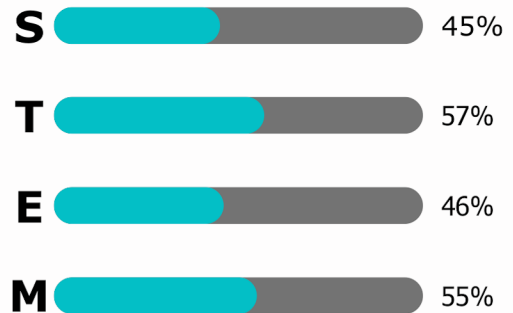
futureyouaustralia.com.au/pathfinders/jamie



'I have this natural ability to bring joy and energy to my passion.'

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 field are expected to grow by 14%.

Location: 34% of chefs live outside capital cities.

Employment pathways: A certificate IV in a relevant hospitality field.

3 STEM skills required for this job	Subjects to develop these skills	3 other jobs that value this skill
Chemistry	Science	Pharmacist, Chemical Engineer, Forensic Scientist
Creativity	English, HASS, Science, Technologies, the Arts	Graphic Designer, Event Planner, UX Designer
Ratios	Mathematics	Carpenter, Civil Engineer, Mortgage Broker

Other careers related to this line of work



Leadership

Catering Business Owner
Restaurant Manager



Food

Food Scientist
Food Stylist
Food Blogger
Menu Development Specialist



Health

Nutritionist
Public Health Official



Education

Primary School Teacher
High School Teacher
Culinary Instructor



Sustainability

Community Outreach Coordinator
Sustainability Consultant

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



Jamie is a patisserie chef

CAN'T

draw or be patient

STUDIED

Cert II in Kitchen Operations and Commercial Cookery at TAFE and Cert IV in Patisserie

CAREER

Third-year patisserie chef apprentice

WORKS WITH

chemistry, maths, and passion

EXPERT ON

making delicious treats suitable for various dietary needs

GOAL

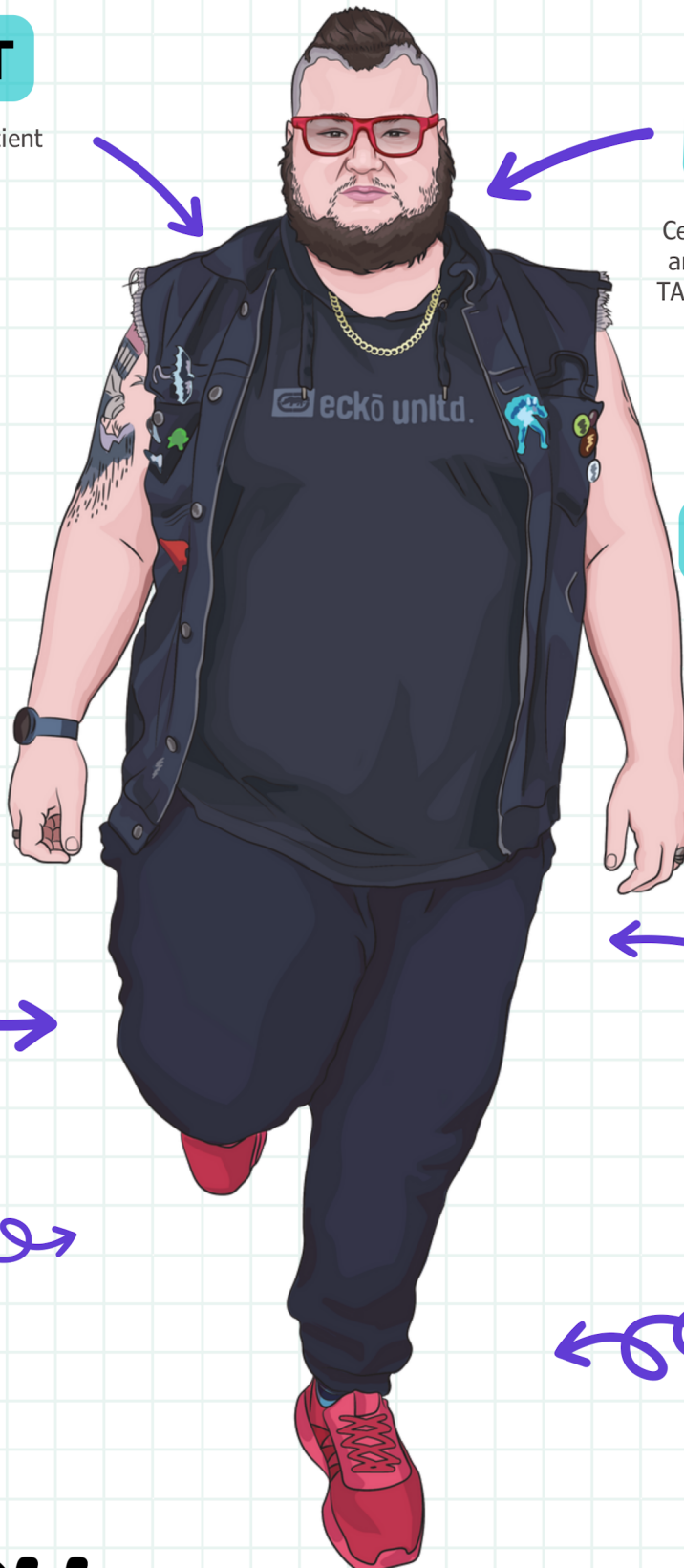
to open his own business where people can come in, enjoy delicious food, and have fun

CAN

bake delicious treats and lift heavy weights

LOVES

seeing the joy and happiness on people's faces when they eat his desserts



Meet Jamie. He's a third-year apprentice on his way to becoming a patisserie chef. Fill in the bubbles with 5 STEM (Science, Technology, Engineering and Mathematics) skills he uses in his 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

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

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 Jamie might need to do his job?
