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

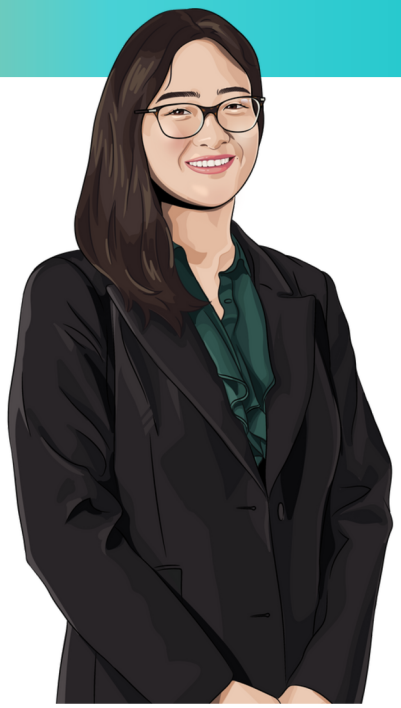
We've developed practical activities you can use in your lessons to make learning experiences socially relevant. Did we mention they're aligned to the Australian Curriculum V9.0?

🚀 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**

FUTUREYOU

What's in this pack



This pack includes activities that are all related to Daisy'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 Daisy's career 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 Daisy'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 Daisy's career. Find the answers here.

FUTUREYOU

Capability Convos

Australian Curriculum V9.0 links for Years 3 to 7

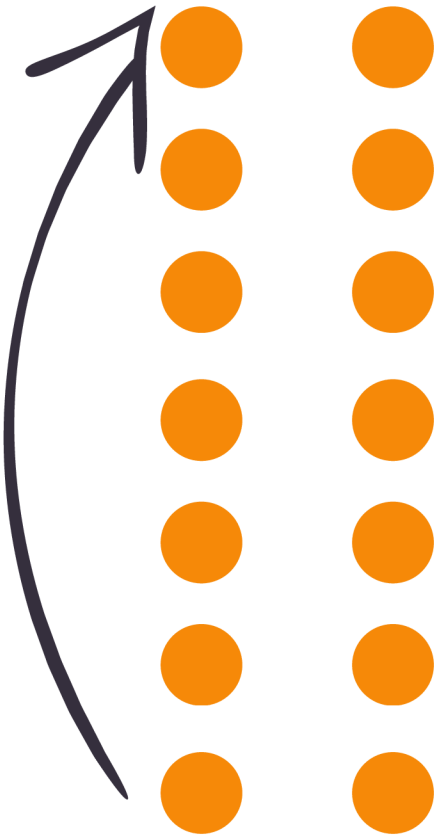
English
- Language
- Literacy

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

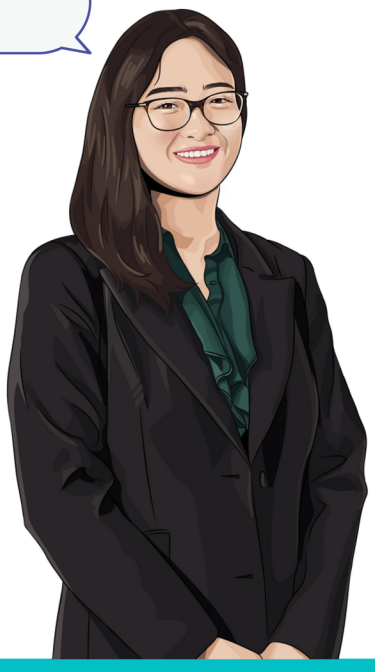
In addition, some students will be able to:
- describe the ways they are connected and can contribute to their community groups



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

Scan this QR code to find out more about me.

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.

FUTUREYOU

www.futureyouaustralia.com.au/pathfinders/daisy

Daisy
Optometrist/Research Scientist

Question 1
What do you think is interesting about Daisy's career?

Question 2
What skills does Daisy 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 or different to Daisy's career?

Question 5
How do you think Daisy's career contributes to society?

Question 6
How important do you think it might be for Daisy to be able to do this job in a rural or remote location?

Question 7
How important are mathematics and technology in Daisy's job? Can you think of some examples?

Question 8
What tools or technology do you think Daisy needs to do her job?

Question 9
How do you think AI might change Daisy's job in the future? Can you think of some examples?

Question 10
What do you think would be the biggest challenge pursuing a career as a optometrist?

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:

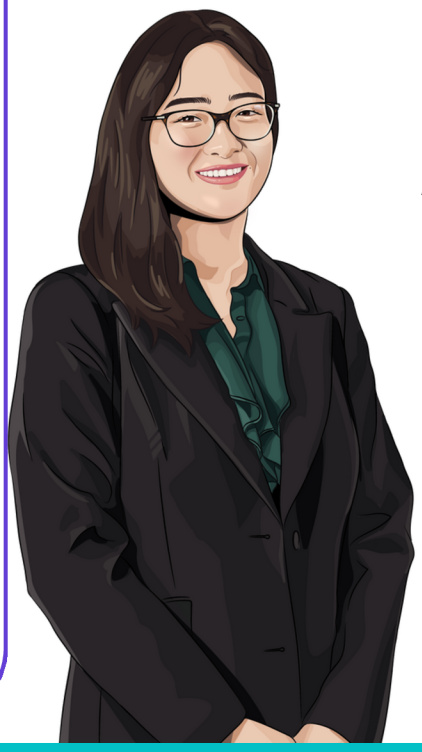
- Format/print the students' question sheets (or load them onto school LMS) and direct students to a copy.
- Read the questions as a class to start, discussing any meanings
- Discuss with the class strategies for being able to answer the questions as they read about Daisy
- Read about Daisy as a class, 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. What two jobs does Daisy have?
2. What does Daisy's work involve?
3. What made Daisy want to pursue a career in research?
4. What does Daisy love about her job?
5. How does attending conferences enrich Daisy's work?
6. Name two things Daisy is not good at.
7. Name two things Daisy is good at.
8. What is Daisy helping to build?
9. What brings Daisy a sense of calm and balance?
10. What is Daisy's ultimate goal?

Scan this QR code to visit my page



Answers:
1. She's an academic research scientist and an optometrist
2. Seeing patients in the clinic and conducting cutting-edge research in the lab.
3. Meeting patients during her clinical experience who weren't responding well to existing treatments
4. It's a perfect blend of science and patient care.
5. They bring a global perspective to my research.
6. Coding and admin work.
7. Seeing the big picture and communication.
8. A community of future women leaders who will rock the world of STEMM!
9. Yoga and baking cookies
10. To cure blindness.

Daisy

Student name:

Comprehension Questions

What does Daisy's work involve?

What two jobs does Daisy have?

1.

2.

What made Daisy want to pursue a career in research?

Name two things Daisy is not good at.

1.

2.

Name two things Daisy is good at.

1.

2.

What does Daisy love about her job?

What is Daisy helping to build?

What is Daisy's ultimate goal?

What brings Daisy a sense of calm and balance?

1.

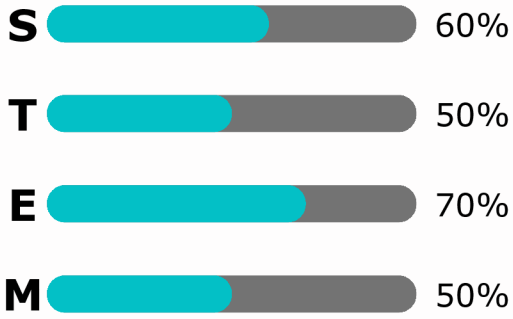
2.

How does attending conferences enrich Daisy's work?

Optometrist / Research Scientist

STEM Meter

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



Source: jobsandskills.gov.au

Daisy is an optometrist and a research scientist. She uses cutting edge technology to explore the mysteries of the human eye. She hopes her work will find a cure for blindness and improve life for millions around the world. Find out more at:

futureyouaustralia.com.au/pathfinders/daisy

"It's incredibly rewarding to know that the work we're doing today could change lives tomorrow"

Job stats and facts

Future job growth: Over the next five years jobs in this field are expected to grow very strongly.

Location: 21% of optometrists live outside capital cities.

Employment pathways:
A bachelor degree is required, but there are many pathways you can take to get an undergraduate degree.

3 STEM skills required for this job	Subjects to develop these skills	3 other jobs that value this skill
Research	Science, Humanities and Social Science	Business Analyst, Psychologist, Economist
Complex problem solving	Design and Technologies, Digital Technology	Video Game Developer, Air Traffic Controller, Social Worker
Biology	Science	Physiotherapist, Forensic Scientist, Dentist

Other careers related to this line of work

Environment

Environmental Health Scientist
Wildlife Biologist
Ecologist
Landscape Architect
Conservation Scientist

Education

Optometry Educator
Vision Science Instructor
Special Education Teacher
Health Educator
School Counselor

Animals

Veterinary Ophthalmologist
Veterinary Technician
Animal Behaviorist
Wildlife Rehabilitation Specialist
Zoologist

People

Ophthalmologist
Optical Dispenser
Vision Therapist
Clinical Psychologist
Speech Pathologist

Technology

Vision Science Researcher
Biomedical Engineer
Augmented Reality Developer
Optical Engineer
Health Informatics Specialist

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!).

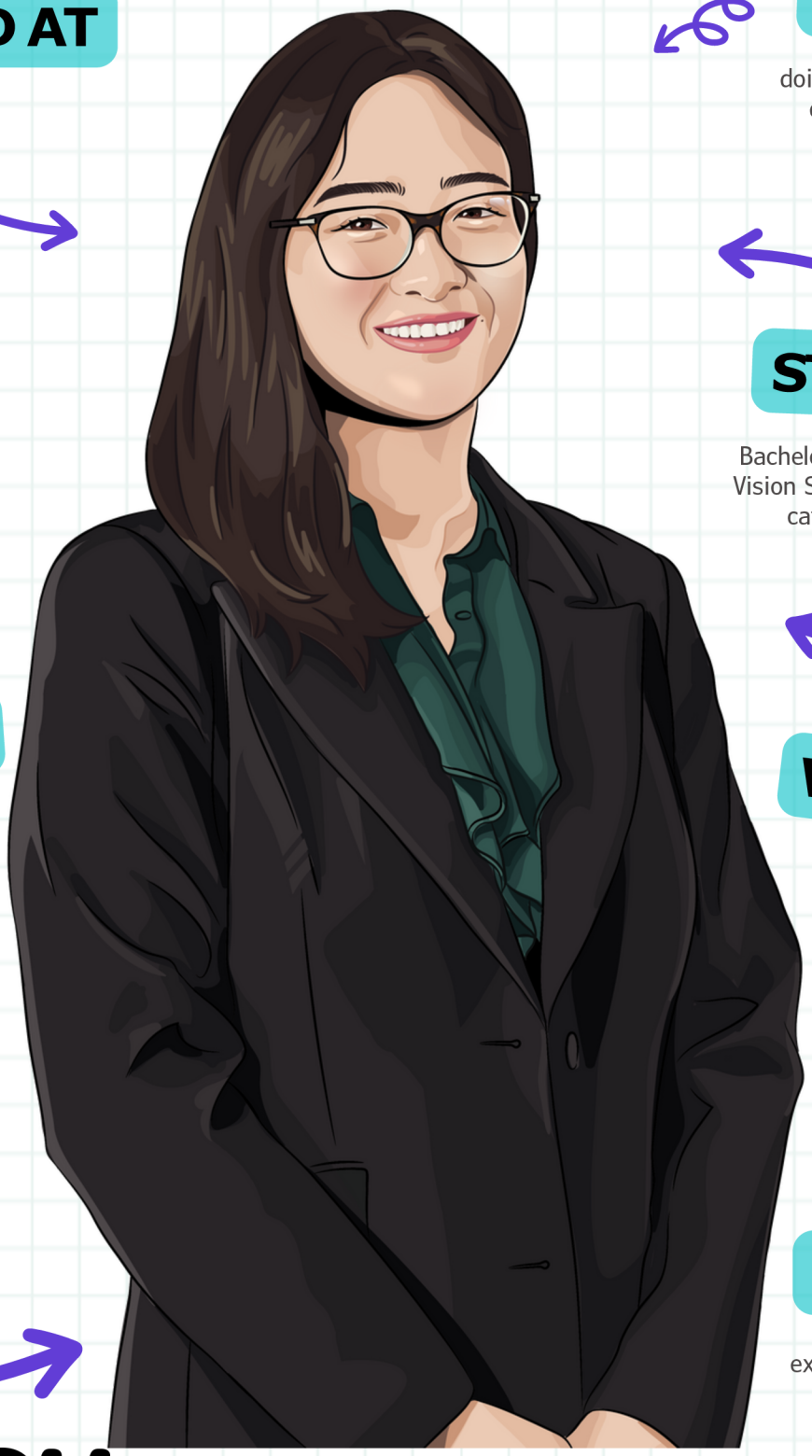
From traditional vocations to emerging fields, there are countless pathways to be explored.

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

Daisy is an optometrist



NOT GOOD AT

doing coding or admin tasks (aka, paperwork)

LOVES

doing yoga and baking delicious cookies

CAREER

academic research scientist and optometrist

STUDIED

Bachelor of Optometry and Vision Science and a PhD on cataract research

EXPERT ON

understanding and treating eye diseases

WANTS TO

improve vision for millions of people

GOOD AT

solving complex problems and communication

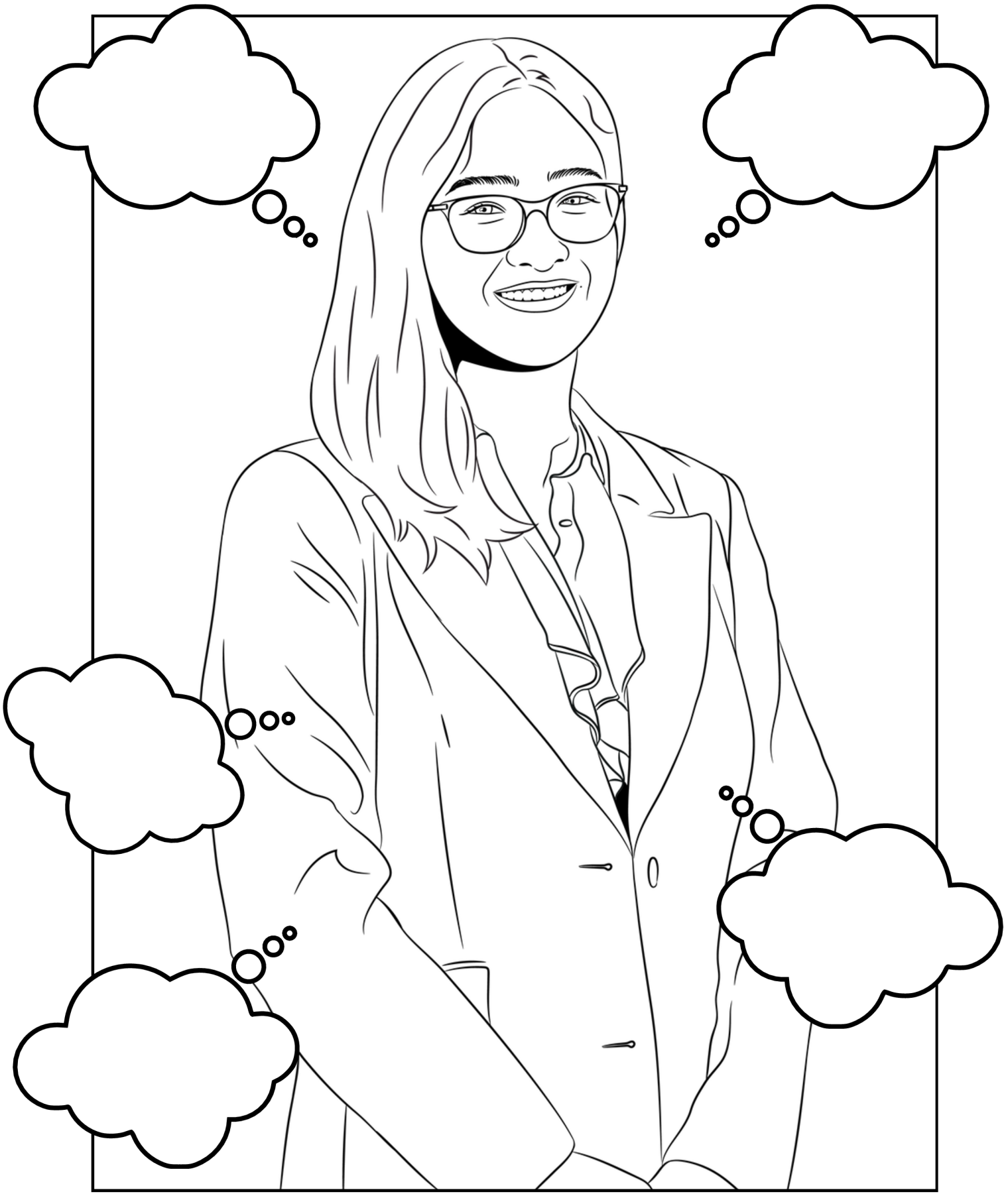
GETS TO

explores the mysteries of the human eye

FUTUREYOU

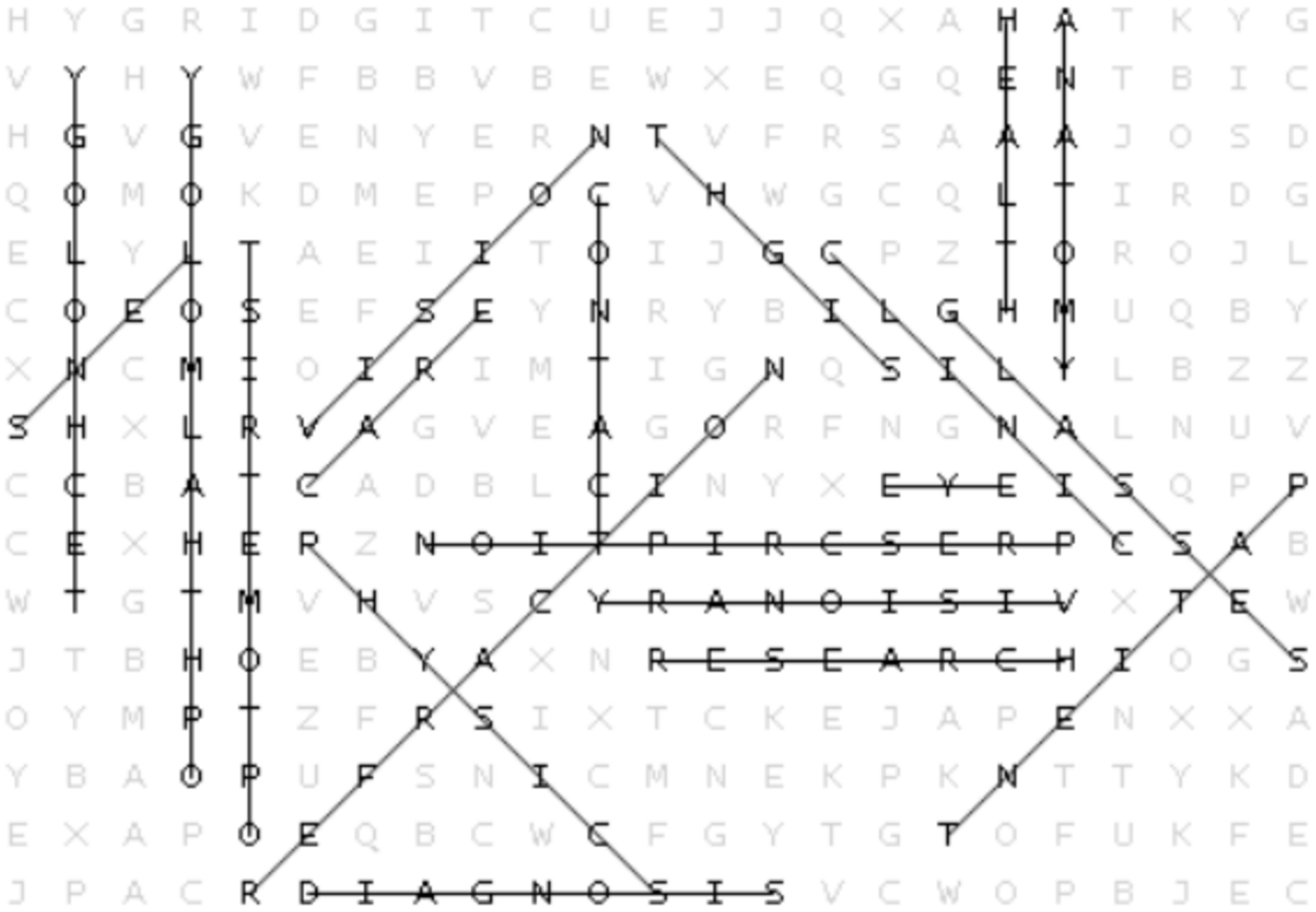
www.futureyouaustralia.com.au/pathfinders/daisy

Meet Daisy. She's an optometrist who wants to cure blindness and improve the lives of millions around the world. 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.

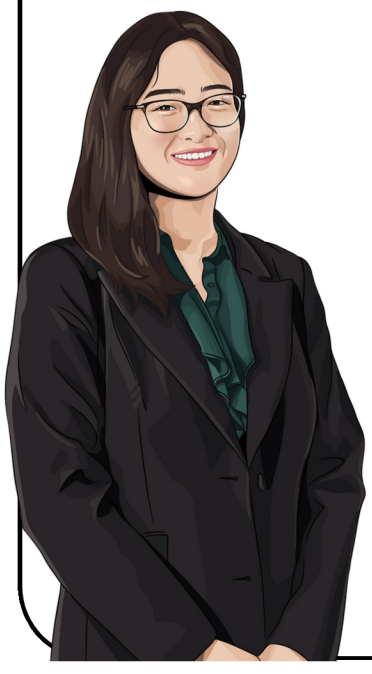


Pathfinder Workwords

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 Daisy might need to do her job?

_____