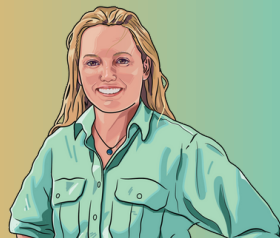


Welcome to Future You



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

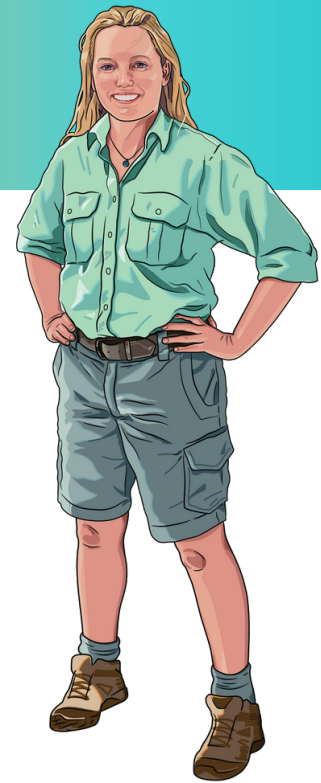
We've developed practical activities you can use in your lessons to make learning experiences socially relevant. Did we mention they're aligned to the Australian Curriculum V9.0?

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 Phoebe'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 Phoebe'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 Phoebe'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:

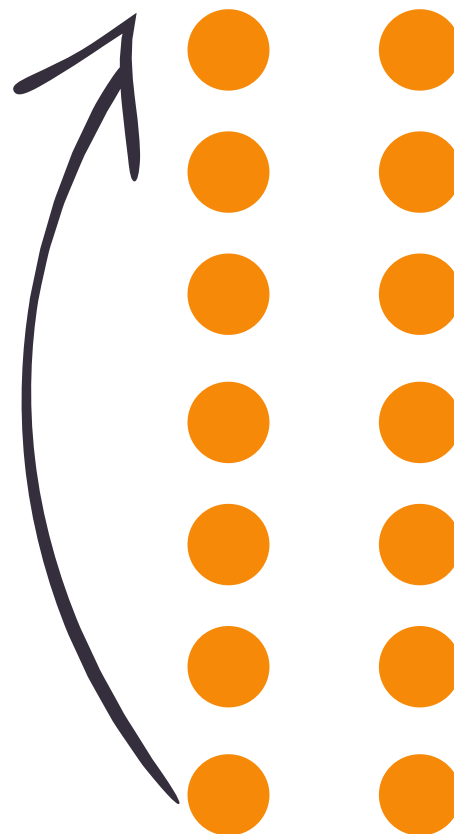
- identify some likes, dislikes, strengths, abilities and/or interests when showing a personal preference
- acknowledge that people have different needs, emotions and abilities

In addition, some students will be able to:

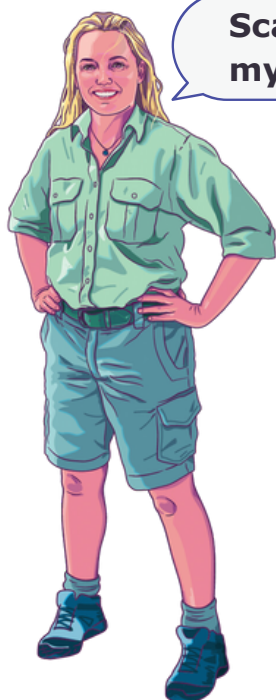
- describe the ways they are connected and can contribute to their community groups

Format

- Interactive game with 10 questions
- Easy to play
- Watch Phoebe'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.



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.

Phoebe

Wildlife Conservation Officer

Question 1

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

Question 2

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

Question 3

How might technology change this career in the future?

Question 4

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

Question 5

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

Question 6

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

Question 7

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

Question 8

What kind of tools or technologies do you think Phoebe uses in her work?

Question 9

When would teamwork be important in Phoebe's line of work? Can you think of an example of when you use teamwork?

Question 10

What other types of wildlife in their natural habitat do you think are protected or managed?

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 Phoebe'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 Phoebe can do.
2. And two things Phoebe CAN'T do.
3. Who in Phoebe's family was an important influence on her growing up? How and why?
4. What did Phoebe really want to understand when she was younger?
5. What TWO school subjects was Phoebe NOT good at?
6. What did Phoebe study at university?
7. What species did Phoebe help reintroduce into the wild?
8. Why did Phoebe think 'science wasn't for me'?
9. What does Phoebe say 'forensic science' (the study of dead animals) can help us with?
10. How many different types of animals do you see in the film? Name them.

Scan this QR code to watch my film.



Answers:

1. Scuba dive, catch sharks and stingrays in her bare hands, do a headstand, protect animals.
2. Can't sing in tune, can't floss.
3. Grandmother. Took grandchildren to Flinders Ranges and into the Simpson Desert.
4. How everything fitted together.
5. Chemistry or Mathematics.
6. Biology.
7. Bilby
8. Because she wasn't the best in Chemistry.
9. Save species in the long run.
10. Shark, sea lion, dog, pygmy bearded dragon, blue tongue lizard, bilby, knobtailed gecko, snake, koala, echidna, dolphin.



Comprehension questions

Name **FOUR** things Phoebe can do.

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

What did Phoebe really want to understand when she was younger?

Who in Phoebe's family was an important influence on her growing up? How and why?

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

- 1.
- 2.

Why did Phoebe think 'science wasn't for me'?

What did Phoebe study at university?

What does Phoebe say 'forensic science' (the study of dead animals) can help us with?

What species did Phoebe help reintroduce into the wild?

What **TWO** school subjects was Phoebe **NOT** good at?

- 1.
- 2.

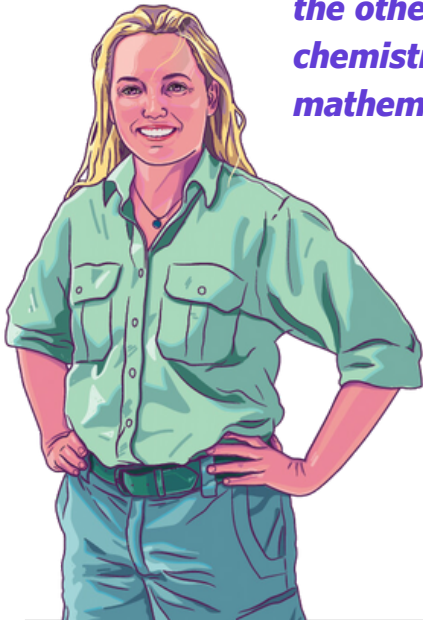
How many different types of animals do you see in the film? Name them.

- | | |
|----|-----|
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. | 10. |

Wildlife Conservation Officer

Phoebe is a wildlife conservation officer. She protects animals and natural environments, stops wildlife criminals, and knows a lot about sharks and stingrays. Find out more at:

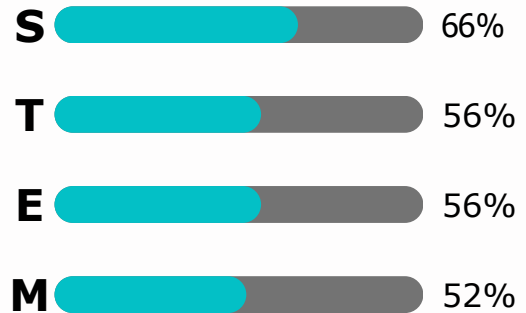
futureyouaustralia.com.au/pathfinders/phoebe



'I wasn't very good at the other sciences, like chemistry or even mathematics.'

STEM Meter

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



Source: jobsandskills.gov.au

Job stats and facts

Location: 52% of wildlife conservation officers live outside capital cities.

Employment pathways: A bachelor degree in a relevant field or a vocational education and training (VET) qualification.

3 STEM skills required for this job	Subjects to develop these skills	3 other jobs that value this skill
Research	Science, HASS	Business Analyst, Psychologist, Economist
Data management	Science, Mathematics	Data Engineer, Marketing, Quantitative Analyst
Problem-solving	Design and Technologies, Digital Technology	Social Worker, Air Traffic Controller, Chemist

Other careers related to this line of work

Health

Dental Technician
Surgeon
Medical Radiation Therapist
Occupational Therapist
Psychologist

Agriculture

Mixed Livestock Farmer
Vineyard Worker
Agricultural Technical Officer
Agriculture Farmer
Beekeeper

Animals

Veterinarian
Dog Handler or Trainer
Zookeeper
Marine Biologist
Animal Attendant

Horticulture

Florist
Gardener
Nurseryperson
Landscape Architect
Groundskeeper

Conservation

Environmental Adviser
Environmental Consultant
Ecologist
Environmental Health Officer
Environmental Scientist

Safety

Firefighter
Paramedic
Park Ranger
Animal Management Officer

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

Phoebe is

a Protector

DOESN'T LIKE

maths or chemistry

LOVES

biology, animals, nature

CAREER

Wildlife conservation officer
at Taronga Zoo

STUDIED

Bachelor of Science
(Zoology) at university

EXPERT ON

sharks and stingrays

STOPS

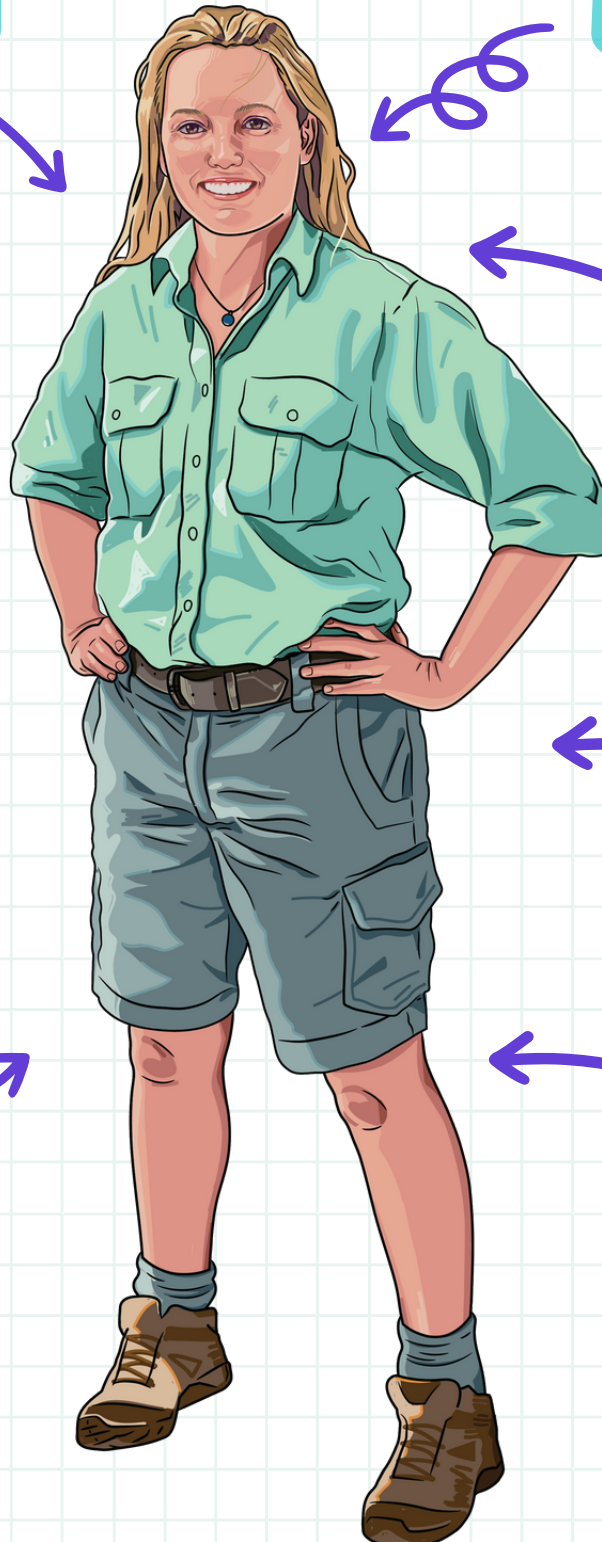
wildlife criminals

CAN

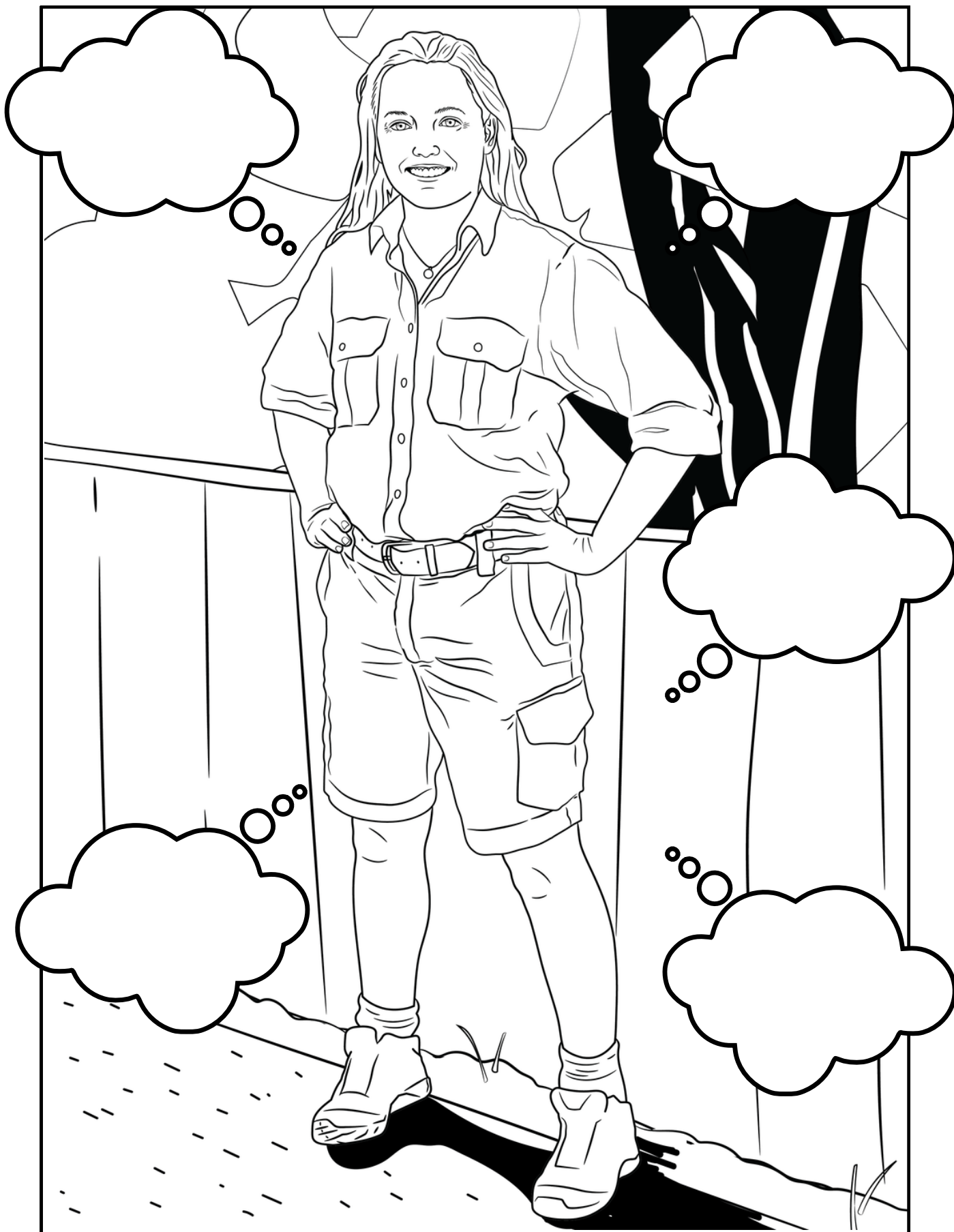
catch sharks and stingrays
with her bare hands

SAVES

wildlife from poachers and
diseases



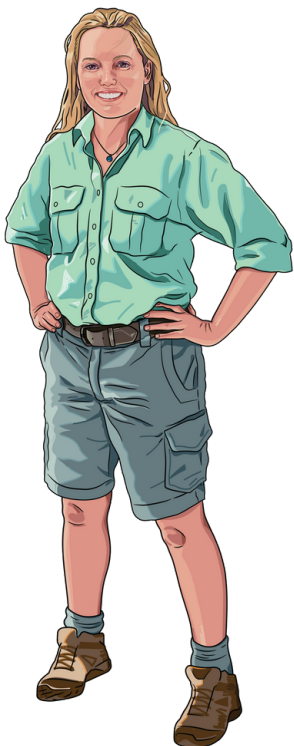
Meet Phoebe. She's a wildlife conservation officer. Fill in the bubbles with 5 STEM (Science, Technology, Engineering and Mathematics) skills she uses in her job. Which of these skills do you think is most important? Which do you think would be the hardest to develop? When you've thought of the skills,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



Pathfinder Workwords

Answers

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



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 Phoebe might need to do her job?
