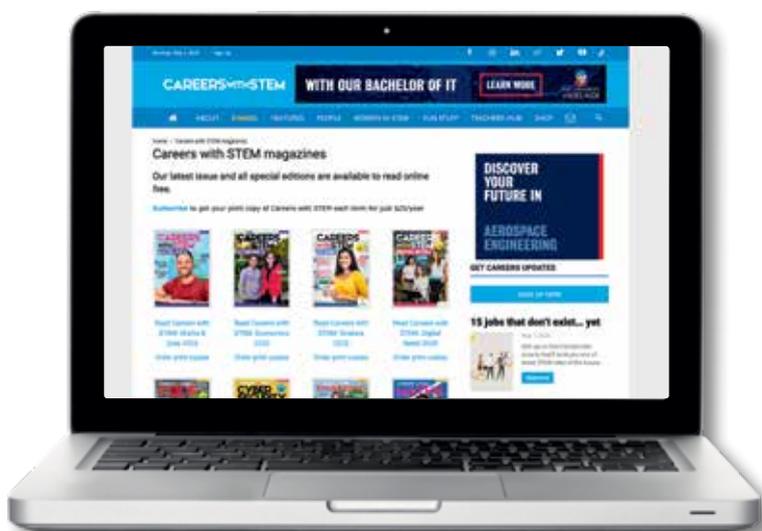


CAREERS WITH STEM™

TECHNOLOGY

Careers with STEM is a magazine and website that aims to inspire students about Careers with Science, Technology, Engineering and Maths. This worksheet refers to the Careers with STEM Technology Term 4, 2020 edition.



1. Technology is all around. Read how it's changing our everyday lives, from school to the gym (page 18). Fill in the blanks below.

These days the act of stocking up on _____ is packed with a trolley-full of tech offerings – think: online shopping _____, in-app price _____, predictive _____ and _____ tech – but one of the coolest new developments in the _____ pipeline is cash- and card-less purchasing.

2. Read 'Google Roomies', pages 8-9. What does a Site Reliability Engineer do?

Write your answer...

3. 7 (not so) soft skills you need in tech. There's more to tech jobs than coding. Match the skill with to the description. (see pages 22-23)

Match the skill with the description.

Adaptability

The ability to produce original or unusual ideas, or to create something imaginative.

Empathy

The ability to learn and relearn, adjust and be flexible.

Persuasion

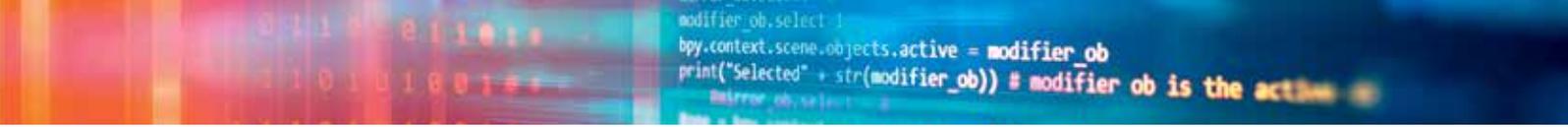
The ability to understand and share the feelings of others, by imadining what it's like to be them.

Time management

Bringing someone around to your way of thinking.

Creativity

Ability to prioritise tasks, juggle competing deadlines and use your time effectively.



4. Tech + Health. Read the stories of two people combing tech skills in the health sector. For each, write down their name, their job title and list their career steps. (See pages 32-33)

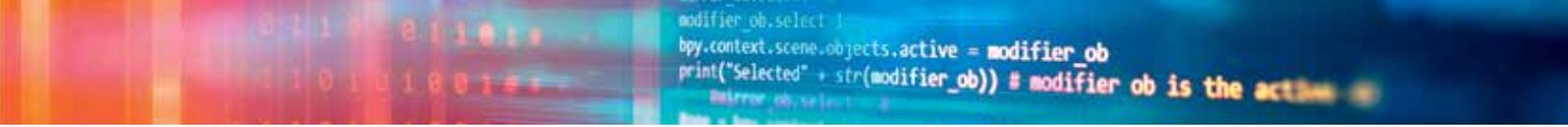
5. STEM Careers in Conservation

Match the year to the conservation technology (see page 45)

2000	Camera traps first used to record wildlife presence and behaviour.
1990	Bio-batteries – devices that run on compounds such as starch, allowing things like sensors to be powered for extended periods in remote locations.
1960	Sonar first used to locate and record schools of fish.
2020 & BEYOND	Autonomous vehicles used to collect ecological data automatically or remotely, in difficult or dangerous terrain.
1950	GPS tracking – satellite tracking of wildlife takes over VHF tracking.

6. Tech + Beauty & Fashion. The beauty and fashion industry is crying out for computer science grads. What are some of the ways the industry is using new technologies? (See pages 26-27)

Write your answer...



7. Real life STEM professionals

Choose one of the people profiled in the magazine. List their study and career milestone. What inspired them into this career? Follow up by searching related careers at [CareerswithSTEM.com/profiles/](https://careerswithstem.com/profiles/). Write your answer...

8. Surprising careers with technology.

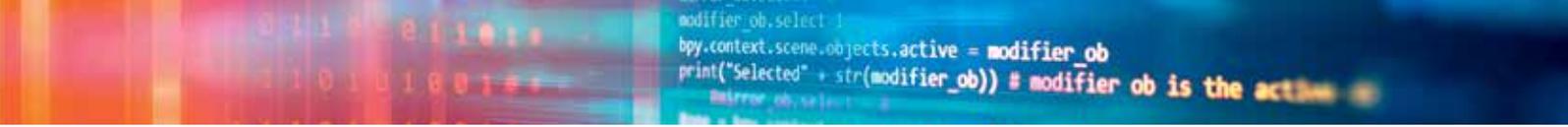
What was one career that you were surprised to find in this magazine? Briefly describe the career and why this career involved technology. Write your answer...

9. Next steps

Page 48-49 has a list of things you can do to kickstart a career in technology. Choose one and search a tech-related course and university/TAFE/College on Google. Do you think you would be interested in that? What do you like about it? Write your answer...

10. Are you more or less interested in studying STEM subjects such as maths, computer science, technology, science after reading this issue?

- | | | |
|---------------|--------------------|--------------------------|
| A Much more! | C The same. | E Not at all interested. |
| B A bit more. | D Less interested. | |



11. Optional Extra. STEM Professionals online.

Click this www.CareerswithSTEM.com/profiles to explore people and careers in the STEM field. Choose two people and complete the tables below.

STEM Career Professional 1
Choose someone with a STEM career from the website and complete the chart.

Name: _____
Career: _____
What do they do: _____

Where do they work: _____

Where did they study/train: _____

Does this job interest you: _____

List two interesting things about this person: _____

STEM Career Professional 2
Choose someone with a STEM career from the website and complete the chart.

Name: _____
Career: _____
What do they do: _____

Where do they work: _____

Where did they study/train: _____

Does this job interest you: _____

List two interesting things about this person: _____

12. Imagine you are a writer for Careers with STEM. What stories or information would you include for students on STEM careers?

Write your answer...

Great work! For more student resources, quizzes, magazines and real-world role models head to CareerswithSTEM.com or contact us at info@refractionmedia.com.au with comments and feedback.