Careers Newsletter

Disclaimer – all information is printed in good faith
It is the responsibility of the student to confirm all details with the appropriate institution.

To contact Mr Madani please email jmadani@stpiusx.nsw.edu.au or call 9414 4388.
JobJump - Parents and students please watch YouTube video and sign up
Sign up to JobJump for information about tertiary study options, ATAR's and apprenticeship and TAFE information. Create a resume, sign up for news alerts.
To register go to https://www.jobjump.com.au/
Search school – St Pius X Chatswood
Register with an email address (use a private address, not spx)
Password – pius (lower case)
Parent information: https://www.youtube.com/watch?v=fZoyckJwvVg&feature=youtu.be

ACU | Year 12 Revision Webinars

August 19 to September 12, 2024
Worried about your Year 12 exams? You're not alone. We know this can be a stressful time, which is why ACU have teamed up with InspirED to help you do your very best and get ready for what's to come.
Between August and September join ACU for a series of free online webinars run by experienced Year 12 exam markers and assessors. They'll guide you through how to respond to possible exam questions, help you get your head around the class content to deepen your understanding, and offer plenty of tips and strategies along the way.
Find out more

University of Sydney | Life of an agricultural scientist

August 21, 2024
Are you looking for a career that's impactful, future-focused, and vital to our nation's well-being? Then look no further than studying Agricultural Science at the University of Sydney. Join this session with one of our very own agricultural scientists to learn about their career and what they get up to in a day. From agribusiness to influencing policy, sustainable practices, and improving the food crops that feed the world, you will discover what our newly launched 3-year Bachelor of Agricultural Science, and 4-year Bachelor of Agricultural Science Honours have to offer you and the diverse and rewarding career that lies ahead.
Find out more

La Trobe | Open Day 2024, Sydney

August 22, 2024
Why attend Open Day at La Trobe?

- Chat with current students, alumni and teachers to get first-hand advice about your dream course, or just about the best places to eat on campus.
- Explore the campus by yourself or join a guided tour. See our world-class health facilities, leading IT and science labs, business trading room, accommodation and much more.
- Discover your options for placements, internships and work-based learning, and get all your questions answered about your dream course.
- Get a taste of what it's really like to be at uni. Join events and activities or kick back and enjoy the campus – Open Day is the place to see it all.

Find out more

ACAP | Open Days 2024

Byron Bay: August 24, 2024
Sydney: August 24, 2024

Open Day is your chance to experience the ACAP difference, and find your path in the applied professions. Whether you're interested in Counselling, Psychology, Social Work, Criminology, Law, or Business, ACAP is your pathway to making a difference.
Be part of a workshop, meet our industry-renowned facilitators, and hear all about life as an ACAP student. Join us for a day of exploration and inspiration!
Find out more

SAE Institute | Open Days 2024

Byron Bay: August 24, 2024
Sydney: August 24, 2024
Come along to SAE's Open Day and find your future in creative media!
Open Day is your ticket to everything SAE – get a taste of our courses in workshops, explore activations on campus and get some hands-on experience with our state of the art facilities.
Find out more

CSU | Open Day 2024, Orange

August 25, 2024
What is Open Day? It's your opportunity to discover what life at Charles Sturt is all about. Open Day isn't just for students – parents and carers are welcome too!
Be inspired by our academics, explore our facilities and chat to current students about what studying with us is really like. From information sessions and campus tours to free food, entertainment and giveaways – there's something for everyone.
Find out more

CQU | Future Focus: Navigating Your Next Career Move

August 26, 2024
Join us for the CQU Future Focus: Navigating Your Next Career Move webinar.
Whether you are just starting out or looking to make a change, this session will provide practical tips, resources and industry insights to help you navigate your next steps and make informed career decisions. Join us for our live webinar - an introduction to career planning, delivered by an accredited career practitioner!
Find out more

$20 Boss Digital Tools + Market Day Q&A Term 3

August 27, 2024
This event is perfect for teachers who are new to $20 Boss, and for teachers who are experienced at running $20 Boss and want to use more of the tools and resources available to them.
This is a hands-on session led by experienced YCA facilitators where you will learn how to:

- Navigate our Entrepreneurial Learning Hub to access the $20 Boss resources.
- Setup classes and teams in the Buddy App.
- Use the $20 Boss budgeting tool where students can create and submit their budgets for review, and you can manage team funding.
- Help students create public pitch pages where they can share their idea with the world.
- Run a successful market day, with tips and tricks from $20 Boss teach champions.

Find out more

University of Sydney | Exercise and Sport Science at Sydney

August 28, 2024
Exercise scientists work in sport, fitness, health industries, communities and health promotion. The Bachelor of Applied Science (Exercise and Sport Science) at Sydney teaches students about the human body, how it works during exercise, and how to optimise health and performance to help people reach their goals. In this webinar our academic expert will explore what you will learn in the course and the diverse careers available to you.

Find out more

University of Sydney | ARTiculate Philosophy - Critical Thinking for the IB

August 29, 2024

We are regularly told that one thing causes another: that smoking causes lung cancer, that studying hard causes you to do better in exams, that vaccines cause autism. How can we figure out which causal claims we ought to believe?

In this one-hour online session students will improve their critical thinking skills by learning how to evaluate causal arguments. Students will discover how philosophers and scientists seek out evidence that supports or undermines causal claims, and will practise applying these techniques to a broad range of examples.

This session is designed to connect with the International Baccalaureate but is also open to HSC students.

Find out more

UON | Open Day 2024, Newcastle

August 31, 2024

Open Day is packed with everything you need to know about going to the University of Newcastle. Participate in degree presentations, info sessions and tours of the campus.

Enjoy a hands-on experience with our program activations, and ask our student ambassadors questions about uni life.

Find out more

University of Sydney | Open Day 2024

August 31, 2024

Join us at the University of Sydney Open Day on Saturday 31 August 2024. Experience our vibrant student life on campus, hear from academics and current students and discover what makes us different.

Find out more

UTS | Open Day 2024

August 31, 2024

Info sessions, campus tours, workshops, dancing robots – UTS Open Day has it all. Get a taste of what students can expect at Australia's #1 young uni.

Find out more

UON | Ma & Morley Scholarship Program Information Sessions

September 3 to September 11, 2024

Join the Ma & Morley Program team for our information sessions, where the University of Newcastle will provide an overview of the Scholarship Program and guide you through the application process. You'll have an opportunity to ask any burning questions!

We are hosting two face-to-face sessions (Callaghan and Ourimbah) and one online session via Zoom. Applications are now open and close midnight, Monday 30 September - don't miss the chance to apply for this life-changing Scholarship!

CALLAGHAN

When: Tuesday 3 September 1:00pm-2:00pm

Where: VG07, Callaghan Campus

OURIMBAH

When: Wednesday 4 September 12:00pm-1:00pm

Where: CN2104, Ourimbah Campus

ONLINE

WHEN: Wednesday 11 September 4:30pm-5:30pm

Find out more

ACU | Open Day 2024, North Sydney

September 7, 2024

Open Day is your chance to find out everything you need to know about studying at ACU before you enrol. You'll be able to check out the campus, meet staff and students, discuss entry pathways, and talk to experts

about your study options and career goals.
Find out more

AIM | Open Day 2024, Sydney

September 7, 2024
Join us for Open Day, and experience everything AIM has to offer!
See our campus, get course advice, experience live performances, meet our teachers and students, and take part in activities that will give you a taste of student life here at AIM.
Whether you're ready to study now, or in five years' time, Open Day is open to all and a fantastic opportunity to discover how the Australian Institute of Music can help turn your passion for music into a career.
Find out more

UNSW | Open Day 2024

September 7, 2024
Save the date for Open Day – Saturday, 7 September 2024! Get ready to explore our campus, connect with students and faculties, and discover the progress you can make at UNSW.
Find out more

NAS | Open Day 2024

September 7, 2024
Ever wondered what it's like studying at art school? Peek behind the historic sandstone walls of NAS and find out at Open Day!
Everyone is welcome at Open Day, from those considering art as a career to anyone simply curious about what happens behind the school's historic sandstone walls.
It's a busy and active day-long program offering plenty of opportunity to see what life is like for students at NAS, with art demonstrations in the studios, and shows in our exhibition spaces.
Interested in applying to study at NAS? Attend an info session to find out more about studying at NAS. Meet with a member of our faculty and learn about our admissions process including advice on preparing your portfolio.
Find out more

ACPE | Open Day 2024

September 28, 2024
Exploring your study options for a career in the sport industry? Join us on campus. See where you will study, meet our students and lecturers, and participate in info sessions and practical sessions to take the next step with confidence.
Find out more

WSU | Bizfluencers Workshop

September 30, 2024
Bizfluencers is an exciting school holiday workshop program offered by the School of Business at Western Sydney University, targeted at high school students in Years 9 – 10. The program aims to connect aspiring Business Influencers ('Bizfluencers') with business leaders, researchers and practitioners in the 1PSQ Business Lab to explore the future of business.
Registration closes Monday, 16 September 2024.
Find out more

WSU | Free Online HSC Study Sessions

September 30 to October 4, 2024
From Monday 30th September to Friday 4th October 2024, Western Sydney University will be offering a range of online study sessions to assist Year 12 students in their preparations for the HSC.
Delivered by highly qualified senior teachers with 24 free sessions across 15 key HSC subject areas, the sessions

will include content analysis, tips and strategies, and a detailed exploration of key syllabus and curriculum areas.
Students also have the opportunity to sit a practice exam and deconstruction, with feedback and advice from experts.
Find out more

Tocal College | Open Day

October 4, 2024
October 11, 2024
Our College Open Days are a wonderful opportunity to visit Tocal and experience first hand all that it can offer students who are eager for a rewarding career in agriculture, agribusiness or horse breeding and training.
Open Days provide prospective students, their families and carers an ideal forum to visit the College and get a feel for what life as a student is really like.
Each day's activities include:

- an overview of full-time courses,
- a description of career opportunities,
- information on fees and financial assistance,
- inspection of College campus facilities,
- tour of Tocal's commercial farms and training facilities,
- opportunities to chat with staff and also undertake an informal interview (if desired).

Find out more

University of Sydney | 2024 School of Project Management Spring Camp

October 4, 2024
The School of Project Management at the University of Sydney is hosting a Spring Camp on Friday 4 October 2024, for students in Years 10-12.
This in-person event provides a deep dive into project management, career paths, and degree insights. Hear from industry experts, academics, students and alumni.
Past programs included tours to Google, Atlassian, and Western Sydney Airport.
Find out more

CQC²T Open Day

October 7, 2024
Showcasing the state-of-the-art facilities at the UNSW Kensington Campus, the Centre for Quantum Computation and Communication Technology (CQC²T) is opening our doors this September school holidays.
Visit our Centre to be introduced to quantum physics and for many your first taste of university life.
This is a science-led day filled with talks and tours of our labs including practical demonstrations and an opportunity to speak to those currently working in this exciting field. This is the perfect opportunity for students contemplating STEM careers, with a passion for physics, maths, engineering or coding.
Find out more

NIE | Future Doctors Australia, Sydney

October 10 to October 13, 2024
Gaining medical work experience is essential for young people considering a career in medicine. It provides insight into the field, helps develop skills and attributes, and provides networking opportunities. However, obtaining medical work experience can be challenging due to various restrictions such as limited opportunities, safety concerns, and confidentiality issues.
That's why NIE has developed the "Future Doctors Australia" program. It is an engaging and high-impact 4-day program that provides young people with a unique opportunity to gain medical work experience in a safe and structured environment. Participants will have the opportunity to spend time with current junior and senior medical students. They will also have the rare opportunity to spend time with more senior clinicians and various medical specialists. You will get to learn about clinical specialist's relevant fields of work, ask them questions, and learn some hands-on skills from them.

- Over 15 hours of face-to-face interaction with leading specialists and clinicians

- Meet current medical students
- Develop advanced communication and team working skills
- Create new friendships with like-minded, highly driven young individuals
- Learn about the admission process into various medical universities in Australia
- Morning tea and lunch included

Find out more

University of Sydney | Grand Challenge 2024: Towards Net Zero

November 6, 2024

In The Grand Challenge, students in Years 9 & 10 will spend a fast and fun day learning about a real-life global problem before ideating, developing and pitching their own solutions to their peers and STEM experts for a chance to win prizes. This event is powered by Future Anything and the Faculty of Science, University of Sydney.

Find out more

Discover AI Magic with IT at ACU North Sydney

November 26, 2024

Join us for the 2024 Discover ACU. A free event tailored to your study area of interest, these sessions will give you an insight into life as a uni student.

Participate in interactive AI activities, chat with current students and learn what it's like studying a degree in IT at ACU.

Find out more

Discover Exercise and Sports Science at ACU Blacktown

November 27, 2024

Join us for the 2024 Discover ACU. A free event tailored to your study area of interest, these sessions will give you an insight into life as a uni student.

Experience the range of cutting-edge equipment for training and rehabilitation that you will have access to as part of a sport and exercise science degree with ACU.

Find out more

Discover Law and Criminology at ACU North Sydney

November 28, 2024

Join us for the 2024 Discover ACU. A free event tailored to your study area of interest, these sessions will give you an insight into life as a uni student.

Aspiring lawyers will have the chance to develop their analytical and courtroom skills in our law and criminology workshops. These hands-on activities will provide you with an insight into the Australian legal system and its functions.

Find out more

Ramen Danbo Business Scholarship

Value: $5,000 AUD
Open date: August 10, 2024
Closing date: March 7, 2025
The Ramen Danbo Business Scholarship is now available to high achieving Japanese students at Griffith University. The program is open for the 2025 academic session.
The scholarship seeks to recognise and assist Japanese students who demonstrate talent and commitment to becoming globally responsible business leaders. By providing financial support and recognition, the scholarship aims to encourage students to pursue their academic and professional aspirations in the field of business.
Find out more

Teach NSW Teacher Education Scholarships

Value: $7,500 AUD per year
Open date: August 8, 2024
Closing date: September 13, 2024
If your future plans include completing an initial teacher education degree or you are currently studying to become a secondary mathematics, science, technological and applied studies (TAS) or English teacher or an inclusive/special education teacher teacher (K – 12), you could be eligible for the Teacher Education Scholarship.
Find out more

Art Against Ageism Competition

Value: Up to $1,500 AUD
Closing date: September 8, 2024
Show us the beauty, diverse capabilities & mindset of senior people through your artwork and challenge the negative stereotypes of ageing.
To enter our competition, use your artistic skills to portray positive ageing and show the beauty, diverse capabilities & mindset of our senior community.
To encourage wide ranging participation from all ages and talents, we welcome entries in any chosen artistic medium, with the exception of an AI-generated image.
We are excited to see your creativity!
Find out more

Margaret Reid Poetry Contest

Value: $3,500 USD
Open date: April 15, 2024
Closing date: October 1, 2024
Submit poems on any theme, up to 250 lines each. We will award the Margaret Reid prize of $3,500 USD for a poem that rhymes or has a traditional style.
For the purpose of the Margaret Reid Prize, a poem in a traditional style employs regular meter and/or rhyme, or is written in a recognized poetic form. This includes traditional Western forms such as ballads, sonnets, and blank verse, Asian forms such as tanka and haiku, and other traditional forms.
Find out more

Tom Howard Poetry Contest

Value: $3,500 USD
Open date: April 15, 2024
Closing date: October 1, 2024
Submit poems on any theme, up to 250 lines each. We will award the Tom Howard Prize of $3,500 USD for a poem in any style or genre.
Find out more

Stile Art of Science Competition

Value: Apple AirPods

Open date: August 8, 2024
Closing date: October 1, 2024
To enter:
1. Download this image of Earl the Victorian Grassland Earless Dragon here: https://bit.ly/4det0xs
2. Unleash your creativity give colour to Earl!
3. Submit your masterpiece to artofscience@stileeducation.com before October 1st, 11:59 pm
Fun fact: Earl – a critically endangered lizard presumed to be extinct – was recently found in grasslands in western Victoria after more than 50 years.
Join the fun, showcase your creativity, and the winning student will receive a pair of Apple AirPods!
Find out more

Work Experience with Taronga Zoo Sydney

Open date: October 15, 2024
Closing date: February 28, 2025
Taronga Zoo Sydney offers school work experience opportunities for students in years 10 – 12 who are interested in pursuing a career in zoo keeping, animal care, tourism or zoo horticulture.
Work experience undertaken at Taronga Zoo Sydney allows students to:

- Observe a variety of work being done in the fields of zoo keeping, animal care, zoo horticulture or guest services and education
- Undertake supervised work appropriate to the student's skill level
- Ask questions about a zoo workplace
- Gain skills related to being at work at the zoo
- Investigate training and employment opportunities with Taronga

Places in Taronga's work experience program are very competitive.
Find out more

Tiny plastics, big problems: understanding microplastics

Have you ever heard of microplastics? These tiny bits of plastic are everywhere, and they might be causing some big problems. Let's break down what microplastics are, why they're a big deal for us and our planet, and what we're doing about them.

What are microplastics?
Microplastics are tiny pieces of plastic that are less than 5 millimetres in size. That's like the size of a grain of rice or even smaller, so yep – pretty tiny. That doesn't mean they're not a big deal though. These little plastics come from bigger pieces of plastic that break down over time. They can also come from tiny plastic particles that are added to products like face scrubs and cleaning supplies.
As you can imagine, with plastics this small, they can get into unwanted places, and cause some pretty bad problems.

Why should you care about microplastics?
Microplastics might seem small, but they can have a huge impact. They end up in our oceans, rivers, and even in our food – and we don't know anyone who's happy about eating plastic (hint: it's really bad for you).
When fish and other sea creatures eat them, the plastics can move up the food chain and end up on our plates. This cycle can affect the health of animals and people alike, just from our overuse of plastic in our daily life.
Plus, microplastics can also harm ecosystems and disrupt the balance of nature, which isn't great for our planet – or for us, since we have to live on it.

The journey of microplastics
Microplastics begin their journey from many different places, and can travel far and wide. Here are a few of the ways microplastics end up in our oceans:

1. Everyday products

Microplastics are often found in products we use daily. For example, some face scrubs and toothpaste have tiny plastic beads to help clean your skin or teeth. When you wash these products down the sink, the tiny plastics can end up in rivers and oceans.

2. Synthetic clothes
Clothes made from materials like polyester or nylon can shed tiny fibres when you wash them. These little fibres can slip through the washing machine and end up in the water – once in the ocean, they might be eaten by fish and other sea creatures, which we then end up eating.

3. Big plastics
Big plastic items, like bottles and bags, don't just disappear when you chuck them away. They break into smaller pieces over time because of sunlight, wind, and water, and then get distributed into our natural environments.

4. Industrial processes
When factories make plastic products, they sometimes create small plastic beads called pellets. If these pellets get spilled or lost (which can happen quite easily), they can end up in the environment and become microplastics.

5. Urban runoff
Rainwater that flows off streets and parking lots can pick up all sorts of trash lying around, including microplastics. This water then goes into storm drains and eventually into rivers and oceans, carrying the tiny plastics with it.

6. Agricultural runoff
Farms sometimes use fertilisers and soil products that contain tiny plastic particles. When it rains, these particles can wash off the fields and into nearby waterways, adding to the problem of microplastics in our environment.

How are scientists dealing with microplastics?
Scientists are working hard to tackle the microplastic problem. They're developing new technologies to filter plastics from water, creating biodegradable alternatives to traditional plastics, and studying exactly how microplastics affect the environment and health. Every little bit helps, and researchers are making progress to address this issue – another reason scientists in this field are becoming so important for the future of our world.

The future of microplastics
In the future, we could see big changes to help manage and reduce microplastics. New regulations might limit the use of microplastics in products, and improved waste management practices could help keep plastics out of our oceans. If you choose to study something like Environmental Science or Marine Science at uni, you could be one of the awesome people contributing to research and awareness of microplastics, and this is how we make a difference and protect our beautiful planet.

How can you help?
Caring about the environment and wanting to make a difference is very cool. Here are three practical things you can do right now as a high school student to help tackle the problem of microplastics:

1. Reduce plastic use
One of the easiest ways to help is by cutting down on plastic use, so try to use reusable items instead of single-use plastics. For example, use a reusable water bottle instead of always buying plastic bottled water, or bring your own reusable bags when shopping. Small changes in your daily routine can add up and help reduce the amount of plastic that ends up in the environment.

2. Spread awareness
You can make a big impact by spreading the word about microplastics. Share what you've learned with friends and family, and use those awesome social media skills to raise awareness. Creating posters, starting a school

club, or organising community awareness events can also help get more people involved in fighting plastic pollution. The more people know about the problem, the more they can do to help.

3. Participate in clean-up activities
Join or organise local clean-up events in your community. Whether it's a beach clean-up, a park litter pick-up, or even a classroom recycling drive, these activities help remove plastic waste before it breaks down into microplastics. Volunteering for these events is a great way to make a direct impact and keep your environment clean.

Want more?
If you're interested in more cool topics about how we can protect our environment and make a difference, check out our other articles, like this one on green gap year ideas.
Want to pursue a career helping our planet? Check out our job spotlight on how to become a wildlife biologist.

7 environmental conservation documentaries that are actually good

Looking for a way to study without feeling like you're really studying? Or maybe you're thinking about a career in environmental conservation and looking for some inspo. Whatever the case, there's no better way to fuel your interest than by diving into some eye-opening documentaries that are actually really interesting. Not only do these films highlight the beauty of our planet, but they also shed light on the critical issues affecting it today, and what we can do about it.
We've rounded up 7 of the best documentaries on environmental conservation that are not only educational, but also truly inspiring.

1. Our Planet
This one's a classic, and if you haven't seen it yet, now is definitely the time. Narrated by the legendary Sir David Attenborough, Our Planet is a visually beautiful documentary series that can make you appreciate the wonders of our natural world a little more.
From the deepest oceans to the most remote forests, this series highlights the incredible diversity of life on Earth, but also addresses the pressing issues of climate change and habitat destruction. It's a must-watch for anyone interested in conservation and environmental science, and might just inspire you to get involved in saving our planet.
2. Before the Flood
Before the Flood, produced and narrated by Leonardo DiCaprio (who better to get us inspired?), takes you on a global journey to understand the impact of climate change – something that we should be worrying about now more than ever. The documentary explores the causes, consequences, and possible solutions to this critical issue, making it an essential watch for anyone interested in environmental activism and policy.

3. Chasing Coral
Did you know that coral reefs are one of the most important ecosystems on the planet? The thing is, no-one seems to know this, and they're disappearing at an alarming rate thanks to the actions of us humans.
Chasing Coral follows a team of divers, photographers, and scientists as they document the devastating effects of climate change on coral reefs. It's a great documentary because it not only raises awareness about the fragility of these ecosystems, but also inspires viewers to take action to protect them.

4. The Biggest Little Farm
If you're curious about sustainable farming and how humans can live in harmony with nature, The Biggest Little Farm is the documentary for you. It tells the story of a couple who leave city life behind to start a sustainable farm, overcoming countless challenges along the way. The film is really heartwarming, and shows the importance of biodiversity and how we can implement changes in our lives to support it.

5. A Plastic Ocean
Plastic pollution is one of the worst environmental issues of our time, and A Plastic Ocean dives deep into its impact on marine life and human health. The documentary follows journalist Craig Leeson and a team of

scientists as they explore the devastating effects of plastic waste in our oceans. It's a super powerful call to action for reducing plastic consumption and finding sustainable alternatives.

6. The True Cost
Fashion might not be the first thing that comes to mind when you think about environmental conservation, but The True Cost will definitely change that. This documentary exposes the environmental and social impacts of the fast fashion industry, from pollution to exploitation. It's an eye-opener that'll encourage you to stop and think critically about your consumption habits, or even consider more sustainable choices when it comes to fashion.

7. Mission Blue
Mission Blue follows the life and work of oceanographer Dr. Sylvia Earle, who's a passionate advocate for marine conservation. The documentary explores the state of our world's oceans and the urgent need to protect them. Through Dr. Earle's journey, you'll be inspired to appreciate the beauty of the oceans and the critical role they play in sustaining life on Earth. It's an inspiring and thought-provoking film that will leave you eager to learn more about marine conservation.

Want More?
These documentaries are just the beginning of your journey into environmental conservation. If you're interested in learning more about how to make a positive impact on the planet, check out our other blogs on how to become a wildlife biologist, nature's benefits, and understanding microplastics. Whether you're planning to study STEM or just looking to make a difference, there's no better time to start than now.
We also have heaps more career, study, and wellbeing tips on our website here.

How to become a Wildlife Biologist

Ever wondered how you could turn your love for animals and the environment into a meaningful career? Becoming a wildlife biologist might be your path to working with nature every day.
A wildlife biologist's job is to study animals and their habitats, understand their behaviours, and work on conservation efforts. They play a super important role in protecting endangered species, preserving ecosystems, and helping us understand the complex relationships in nature.
If you're passionate about the environment, have strong analytical skills, and enjoy working outdoors, this could be an exciting career that's right up your alley.

What skills do I need as a wildlife biologist?

- Observational skills
- Critical thinking
- Problem-solving
- Attention to detail
- Teamwork & collaboration
- Data analysis
- Fieldwork proficiency
- Communication skills

What does the job involve?

- Conducting research on animal behaviour, genetics, and populations
- Studying ecosystems to understand how different species interact
- Collecting and analysing biological data
- Monitoring and tracking animal movements
- Writing reports and research papers on findings
- Developing conservation plans to protect endangered species
- Working with government agencies, non-profits, and conservation organizations
- Educating the public about wildlife conservation

What industries do wildlife biologists typically work in?

- Professional, Scientific and Technical Services
- Public Administration and Safety
- Education and Training

What Career Cluster do wildlife biologists belong to?

The role of a wildlife biologist is driven by a desire to protect and preserve, making it an attractive career for Guardians. Innovators also often thrive in this field due to the research and problem-solving aspects of the job.

What kind of lifestyle can I expect?

As a wildlife biologist, you can expect a varied lifestyle with both fieldwork and office-based research. The job often involves working outdoors in various weather conditions, which can be physically demanding but rewarding for those who love nature. Travel is common, especially for fieldwork in remote locations or when attending conferences and workshops.

While full-time positions are the norm, some wildlife biologists can work on a contract basis or in part-time roles, particularly when conducting specific research projects. The job can involve irregular hours, especially during fieldwork seasons, but this flexibility can be appealing for those who prefer a non-traditional work environment.

How to become a wildlife biologist

To become a wildlife biologist, you'll need to follow a clear educational and training pathway.

First, you'll need to complete high school with a focus on science subjects like Biology, Chemistry, and Mathematics. After high school, you should pursue a Bachelor's degree in a related field of Wildlife Science and Biology.

Some relevant degrees include:

- Bachelor of Wildlife Science
- Bachelor of Environmental Science (Wildlife and Conservation Biology)
- Bachelor of Biological Science

To advance further in this career, you could also consider pursuing a Master's degree or PhD in Wildlife Biology, Ecology, or a related field. These advanced degrees can open up opportunities in research, teaching, or specialised roles within the field.

What can I do right now to work towards this career?

If you're currently in high school and considering a career as a wildlife biologist, here are some steps to help see if it's a good fit:

- **Gain practical experience** by volunteering with local conservation groups, zoos, or wildlife rehabilitation centres. This hands-on experience will give an insight into the field and help you determine if you like the kind of work it involves.
- **Focus on excelling in Biology, Chemistry, and Mathematics,** and consider taking courses in Ecology or Environmental Science if available. This strong foundation in science will be really important for your future studies.
- **Research various wildlife biology programs** to understand the requirements and the workload. This preparation can be really helpful you for making a decision about whether this career is something you'd actually like to pursue.

Where can I find out more?

Find out more here:

- Environmental Science Education
- US Forest Service
- The Wildlife Society

- Australian Wildlife Society
- Society for Conservation Biology
- Eco Canada

Similar careers to wildlife biologist

- Conservationist
- Agronomist
- Climate Scientist
- Marine Biologist
- Park Ranger
- Zookeeper
- Outdoor Educator

Find out more about alternative careers.

10 cool jobs in animal rescue

Do you have a passion for helping animals in need? If you dream of a career where you can make a real difference in the lives of animals, here are 10 cool jobs in animal rescue that might just be perfect for you.

1. Animal shelter manager

When animals get rescued, they need to go somewhere safe and be looked after by people who truly care about their wellbeing.

As an animal shelter manager, you would oversee the daily operations of a shelter, ensuring that animals receive proper care, staff are well-trained, and the facility runs smoothly. You'd also be responsible for managing budgets, fundraising, and coordinating adoptions – basically making sure your shelter is doing its best for the good of the animals it houses.

2. Veterinarian

Veterinarians play a really important role in animal rescue by providing medical care to injured, sick, or neglected animals. If you love STEM subjects at school and want to help animals in your line of work, becoming a Veterinarian could be the most fulfilling job for you.

Whether you're treating injured wildlife or performing health checks on a stray, you'd be essential to the well-being of rescued animals as a Vet.

3. Wildlife rehabilitator

Ever wondered what happens next after wild animals are brought into shelters? They need specialised care and careful handling, and that's where wildlife rehabilitators come in.

Wildlife rehabilitators care for injured or orphaned wild animals with the goal of releasing them back into their natural habitats. This job requires knowledge of various species and their specific needs, so you'd also need to be keen on wildlife biology if you want to make this your job.

4. Animal control officer

Animal control officers are the people on the ground – sort of like policemen who are primarily concerned with the safety and wellbeing of animals. Their job normally consists of responding to reports of animal cruelty, neglect, and dealing with dangerous animals.

They rescue animals in distress, enforce animal-related laws, and sometimes help with adoptions and animal education programs.

5. Rescue transport coordinator

This one's more than just thinking about getting from point A to point B. Rescue transport coordinators are literally the backbone of animal rescue, because they organise the safe transport of animals from unsafe environments to shelters, foster homes, or new adoptive families.

People in this role mainly coordinate with volunteers, drivers, and shelters to ensure animals are moved safely and efficiently. To become a rescue transport coordinator, you'll need excellent organisational skills and a passion for logistics and animal welfare.

6. Animal behaviourist

Animal behaviourists are really important when it comes to making sure animals can find and stay in their forever homes. They work with animals to understand and correct behavioural issues, which can make them more adoptable and set them up for a happy life.
Whether you're working with a scared dog or a shy cat, your expertise as an animal behaviourist could help rescued animals find loving homes.

7. Humane educator
Humane educators teach people about animal welfare, responsible pet ownership, and the importance of treating animals with kindness and respect. You might work in schools, community centres, or even in a shelter, spreading awareness and fostering compassion for animals.

8. Animal rescue photographer
Ever thought a photo could change a life? For animals in need, the right photo could help connect them with a new and loving family.
Animal rescue photographers captures images of animals in shelters or foster homes, helping to showcase their personalities and increase their chances of being adopted. If you decided to go for this role, wouldn't it be amazing to know that your photos could make a big impact on an animal's future?

9. Animal enrichment specialist
Animal enrichment specialists focus on enhancing the lives of animals in shelters, sanctuaries, zoos or rescues by providing activities and environments that stimulate their physical and mental well-being. Playing with animals all day? Yes please!
In this role, you'd help design and implement enrichment programs to keep animals engaged, reduce stress, and promote natural behaviours.

10. Animal sanctuary caretaker
Animal sanctuary caretakers provide daily care for animals that have been rescued – whether that's from the wild, or from abusive situations – and are now living in a sanctuary.
As an animal sanctuary caretaker, you'd spend your days feeding, cleaning, and monitoring the animals, ensuring they live happy and healthy lives in their new home.

Interested in more animal-related careers?
Explore our blog here for more career inspiration, or try this article on 7 unconventional jobs for animal lovers. Whether you're passionate about wildlife, domestic pets, or farm animals, there are plenty of ways to turn your love for animals into a rewarding career.

The future of STEM careers: guide for parents

As a parent, it's natural to want the best for your child, especially when it comes to their future career. With the world rapidly changing, ensuring your teen is well-prepared for the workforce of tomorrow can definitely feel daunting at times. If your teen has shown an interest in STEM (Science, Technology, Engineering, and Mathematics) – good news! You're already on the right track to supporting a future filled with exciting opportunities.
The growth of STEM careers is not just a trend; it's a movement that is reshaping our global economy. Here's why supporting your teen's interest in STEM could be one of the best decisions for their future.

Why STEM is the future
STEM fields are at the forefront of innovation. From developing life-saving medical technologies to exploring new frontiers in space, the possibilities in STEM are literally endless. According to recent reports, STEM occupations are expected to grow by 14.2% in coming years, which is twice as fast as non-STEM jobs (7.4%). This demand means that those with STEM qualifications are not only highly sought after, but often have their pick of rewarding, high-paying jobs.

Why parents should get excited about STEM

Supporting your teen in pursuing a STEM career means more than just ensuring they'll have job security; it's about empowering them to be part of the solutions to some of the world's biggest challenges. Whether they're passionate about combating climate change, improving healthcare, or designing the next generation of technology, a STEM education provides the foundation they'll need to make a real difference.

> *"People think science is white men in labs looking in test tubes, but the conversation allows us to show all the different opportunities that are available. "*
>
> *Shaun Bellomarino, Seaview High School, in response to downloading Study Work Grow's National Science Week posters.*

STEM is not a limited industry – in fact, diversity and inclusivity in STEM is essential for bringing together different perspectives, ideas, and approaches for more innovative solutions that benefit everyone.

Encouraging STEM exploration

It's important for parents to encourage their child's interest in STEM from a young age. This doesn't mean pushing them into a specific career path, but rather nurturing their curiosity and providing them with opportunities to explore different fields. Encouraging participation in school science fairs, coding camps, or even at-home experiments can all contribute to a deep-seated passion for STEM.

If your teen is nearing the end of high school, now is the time to look at what specific STEM fields excite them the most. Careers in data science, biotechnology, environmental engineering, and robotics are just a few areas that are seeing exponential growth. Having open discussions about their interests and aspirations can help guide them in making informed decisions about their studies and career path.

The importance of STEM prerequisites

If your child is considering a STEM career, it's essential to understand the importance of subject selection in high school. Prerequisites for university STEM courses often include advanced mathematics, physics, chemistry, and biology. However, it's really important that your child also *enjoys* these subjects, as passion and interest are key to long-term success.

While it may be tempting to choose subjects based solely on what will get them into university, it's important to balance this with what your child loves to learn. They'll be more motivated and engaged if they're studying something they're passionate about, which can lead to better outcomes in the long run.

Examples of successful STEM careers

To help you better understand the diverse opportunities available in STEM, here are some examples of successful and in-demand careers:

Data Scientist

Data scientists analyse complex data sets to uncover patterns, trends, and insights that help businesses make informed decisions. With data driving many industries today, this role is highly sought after and very important.

Biotechnologist

Working at the intersection of biology and technology, biotechnologists develop products and technologies that can improve healthcare, agriculture, and environmental sustainability. Their work has lots of demand in areas like genetic engineering and pharmaceutical development.

Environmental Engineer

These engineers focus on designing systems and solutions that help protect the environment. From developing clean energy sources to managing waste, environmental engineers play a key role in combating climate change.

Robotics Engineer

Robotics engineers design and build robots that can perform tasks ranging from manufacturing to surgery. As automation becomes increasingly prevalent, the demand for skilled robotics engineers is on the rise.

Cybersecurity Specialist

With cyber threats becoming more sophisticated, cybersecurity specialists are essential in protecting sensitive information and preventing data breaches. This career is needed within countless industries, and by

businesses, governments, and individuals alike.

Space Scientist
Working for organisations like NASA or private space companies, space scientists study celestial phenomena and develop technologies for space exploration. This career is not only exciting but also contributes to humanity's understanding of the universe.

The future job market for STEM graduates
One of the biggest concerns parents have is whether their child will be able to find a job after university. The good news is that STEM graduates are in high demand. In fact, many companies are struggling to fill roles in areas such as cybersecurity, artificial intelligence, and renewable energy. This trend is only expected to continue as technology evolves and industries become increasingly reliant on STEM professionals.
Moreover, STEM careers are often some of the highest paying. Investing in a STEM education is not just about securing a job, but securing a fulfilling, well-compensated career.

Supporting your teen's STEM journey
As your child's biggest champion, your support is so important when it comes helping them navigate their journey. Here are some ways you can help:

- **Research together**: Explore the various STEM fields and what each one entails. Watch documentaries, visit science museums, or attend university open days to see what excites your child the most.
- **Encourage practical experiences**: Internships, work experience, and volunteering in related fields can provide invaluable insights and help your child build a network within the industry.
- **Stay informed**: Keep up with the latest trends in STEM to better understand the opportunities available. Our website offers resources and information on all careers including STEM careers, university courses, and more.
- **Be patient**: The path to a STEM career can be challenging, but it's also incredibly rewarding. Encourage your child to stay focused, work hard, and pursue what they're passionate about.

Want more?
The future of work is undoubtedly STEM-driven, and by supporting your child's interest in this field, you're setting them up for a successful and fulfilling career. The opportunities in STEM are vast, and the skills they acquire will be valuable no matter where their journey takes them. So, whether they dream of being a scientist, engineer, or tech innovator, rest assured that the future is bright for STEM graduates.
Encourage your child to explore, stay curious, and dream big — because in STEM, the possibilities are truly endless.
For more information on how to guide your child through their STEM journey, be sure to check out our resources here.

STEM careers and resources for students with disabilities

Are you passionate about STEM (Science, Technology, Engineering, and Mathematics) but wondering how to navigate a career path with a disability? You're in the right place. With the right support and resources, you can achieve your dreams in the STEM field. Here's a guide to help you explore exciting career options and discover the support available to make your aspirations a reality.

Electrical Design Engineer
What's the job?
Imagine designing cutting-edge electrical systems that power our world. As an Electrical Design Engineer, you'll develop and improve electrical systems across various industries. You'll use digital tools to create innovative solutions and often work in engineering firms or manufacturing settings.

How can it accommodate?

This role often involves working with digital tools and software, which can be done remotely or in an accessible office environment. Adaptive technology can support tasks such as design work and system analysis, allowing flexibility in work locations and schedules.

What do I need?
To pursue this career, you'll typically need a bachelor's degree in Electrical Engineering (Honours) or a related field. Familiarity with design software like AutoCAD and strong analytical skills are also essential skills.

Signal Engineer
What's the job?
In this role, you'll be involved in managing and fixing traffic signals, planning budgets, and conducting feasibility studies. If you have a knack for problem-solving and enjoy working with technology, this could be a perfect fit. You'll need a background in electrical or computer engineering and programming skills.

How can it accommodate?
Signal Engineers handle a range of tasks from planning to administration, which can often be performed from a desk or office setting. Assistive technology like screen readers or speech-to-text software can aid in managing signal systems and communication.

What do I need?
A bachelor's degree in Electrical Engineering (Honours), Computer Engineering (Honours), or Physics is usually required. Programming skills, particularly in languages like C++, are also really valuable.

Railway Signal Engineer
What's the job?
If railways fascinate you, consider becoming a Railway Signal Engineer. This role involves maintaining and developing railway signalling systems. You'll need qualifications in electrical, electronic, or computer systems, and some positions offer office-based work or opportunities in workshops.
How can it accommodate?
While some roles might involve fieldwork, many tasks such as system programming and monitoring can be done from an office or control room. Employers can provide ergonomic workstations and adaptive equipment to support your needs.

What do I need?
You'll need a degree in Electrical Engineering (Honours), Electronic Engineering (Honours), or Computer Science. Additional qualifications in Software Engineering or Information Technology can also be beneficial.

Estimator
What's the job?
As an Estimator, you'll determine costs for electrical projects ranging from industrial to commercial scales. In the electrical field, an Estimator typically works in an office environment, where they prepare cost estimates for electrical projects. They analyse blueprints, specifications, and other documentation to assess the cost of materials, labour, and equipment required for a project.

How can it accommodate?
Estimators often work from a computer, preparing cost estimates and analysing project requirements. Work can be performed remotely or in an accessible office environment, and adaptive technologies can assist with calculations and data management.

What do I need?
It's common for Estimators to start their careers as electricians or in a related technical trade. Completing an apprenticeship leading to a Certificate III in Electrotechnology Electrician (or a similar qualification) is a typical pathway. Practical experience in the electrical field, often gained through working as an electrician, can also help with understanding the complexities of project costs.
Some Estimators may pursue further education, such as a diploma or advanced diploma in Building and Construction (Estimating) to enhance their expertise and career prospects.

Project Manager (Electrical)
What's the job?
Oversee large electrical projects, manage budgets, and lead teams as a Project Manager. You'll ensure projects are completed smoothly and on time.

How can it accommodate?
Project Managers oversee large projects and often have the flexibility to work from an office or home. Assistive technologies can help with project management software, scheduling, and communication tasks, making it easier to handle responsibilities.

What do I need?
You'll need a degree in Electrical Engineering (Honours) and experience in the field. Other pathways include getting a bachelor's degree in Business Management or Economics, then going on to pursue a Master of Business Administration.

Electronic Bench Technician
What's the job?
in this role you'll test, program, and service electronic devices in various settings, from workshops to remote support. With flexibility in where you work, you can find a role that suits your access needs.

How can it accommodate?
This role involves testing and repairing electronic items, which can often be performed in a workshop with adjustable workstations. Equipment can be modified to suit physical needs, and tasks can be adapted to fit individual abilities.

What do I need?
Typically, you'll need a Certificate III in Electronics and Communications. Hands-on experience in troubleshooting and servicing electronic equipment is also great if you want to get into this kind of career.

Electric Motor Winder
What's the job?
Work on repairing and maintaining electric motors and related equipment. This is a very hands-on job, perfect for Makers, and mainly offers opportunities in workshop settings.

How can it accommodate?
Working in a workshop setting, this role involves assembling and repairing electric motors. Workstations can be designed for accessibility, and tasks can be adjusted to accommodate limitations if needed.

What do I need?
A Certificate III in Electrical Machine Repair or a higher qualification is required if you want to go for this job.

PLC (Programmable Logic Controller) Programmer
What's the job?
As a PLC programmer, you'll be writing programs for industrial devices and automation systems. PLC programmers work with PLCs, which are specialised computers used to automate industrial processes such as assembly lines, robotic devices, and manufacturing operations

How can it accommodate?
PLC Programmers write code for automation systems, typically working from a computer. This role can be performed remotely or in an accessible environment, with software and tools able to be tailored to individual needs.

What do I need?
A Certificate IV in Industrial Automation and Control is a good starting point. You'll also need to learn specific PLC programming languages like Ladder Logic and Structured Text.

Building Automation Controller
What's the job?
If you do work as a Building Automation Controller, you'll be responsible for managing Building Automation Systems (BAS) which are designed to control a building's climate and lighting. In this job you could be monitoring the system's performance, programming them, checking for faults and reporting them, and carrying out routine maintenance and updates.

How can it accommodate?
This role involves managing building systems like climate control and lighting, so you'll often work from a control room, office, or even sometimes from home. Adaptive technologies can assist with system monitoring and troubleshooting, ensuring tasks are manageable.

What do I need?
A bachelor's degree in in Electrical Engineering (Honours), Information Technology, or a related field is essential. Familiarity with BAS programming and routine maintenance procedures is also required.

Find the right resources
Whether you're ready to dive into a STEM career or still exploring your options, there are numerous resources available to help you succeed. Here are some useful starting points for students, parents, and career advisors:

- Queensland Education – Senior Pathways Planning: Explore career pathways
- NSW Education – Disability Learning and Support: Find support and resources
- ACT Education – Support for Students with Disabilities: Access helpful information
- Victoria Education – Additional Needs and Leaving School: Get guidance on school transitions
- South Australia Education – Disability Support: Explore support services
- Western Australia Disability Support: Learn about available assistance
- Northern Territory Special Education: Find out about special education services
- Tasmania Support for Students with Disabilities: Access support information
- Australian Disability Employment Services: Explore employment resources
- National Disability Services – Transition to Employment: Find tools for transitioning to work
- My Milestones – Transitioning from Study to Work: Get tips for the transition
- Australian Network on Disability: Access support services
- Challenge Community Services – Life After School: Read about planning for life after school

Stay inspired
If you're thinking about university or other educational opportunities, consider these additional resources:

- University disability services
- Scholarships for students with disabilities
- Understanding special consideration
- Finding work experience for students with a disability
- YDAS Young Leaders program

STEM unlocked
Remember, the best source of information is to speak to organisations directly. If you're thinking about a career, apprenticeship or tertiary studies, reach out and ask about what's possible and what opportunities might be open to you. By exploring these options and using available resources, you can find a career path that matches you and supports you.
Want more? Check out our website for more articles and resources here.

The original conservationists: First Nations wisdom in practice

Have you ever wondered how people cared for the environment before modern technology? For thousands of years, First Nations people in Australia have been using traditional practices to conserve and protect the land, water, and wildlife. These practices, passed down through generations, are not only really cool, but also super important for our future in sustainability.

By learning about these traditional methods, we can improve how we take care of our environment and make a real difference, thanks to the shared knowledge of our First Nations people. Here are just a few of the ways First Nations people have been protecting the environment from the very beginning.

Cultural burning

Cultural burning is an ancient practice where controlled fires are set to manage the land. First Nations people have been using this technique for over 60,000 years, way before farmers were trying out what we've come to call backburning. The idea is to burn small areas of land in a controlled way, which helps to clear out thick undergrowth, reduce the risk of bigger wildfires, and create new habitats for plants and animals.

Lots of Australian plants and animals need fire to survive. For example, the Banksia plant's seeds need fire to sprout, and Grasstree's need heat from a fire to encourage germination and flower. By using cultural burning, First Nations people help these plants grow and maintain a healthy ecosystem.

Did you know? The recent bushfires in Australia have led to a renewed interest in cultural burning. Scientists and fire managers are learning from these ancient practices to help prevent future fires and protect wildlife.

Sustainable fishing

The Brewarrina fish traps are an amazing example of sustainable fishing. These traps are a network of stone weirs built by the Ngemba people over 40,000 years ago. They are located on the Barwon River in New South Wales. The traps were designed to catch fish while letting smaller, young fish escape. This way, fish populations stayed healthy and continued to grow.

These fish traps show us how traditional knowledge can help manage resources without depleting them. By using these ancient techniques, the Ngemba people were able to enjoy a steady food supply and ensure that fish stocks were preserved for future generations.

Water channels

The Koori people of Victoria developed a sophisticated system of channels and weirs to manage the flow of water in the Murray-Darling Basin. These traditional water management techniques helped to direct water to crops, wetlands, and other vital areas. By controlling water flow, the Koori people were able to enhance agricultural productivity and maintain the health of wetlands, which are crucial for bird species and aquatic plants.

All over Australia, our First Nations people have a deep connection with water, and this stems from a cultural tradition of sustainable and respectful use.

Totems

In many First Nations cultures, animals and plants are considered totems, which are spiritual symbols representing a community's connection to nature. Each community has specific totems that they are responsible for protecting. This deep respect for totemic species helps ensure that these animals and plants are not harmed and can continue to thrive.

For example, some communities in Northern Australia consider the shark a totemic species. By protecting sharks and their habitats, these communities help maintain the balance of the marine ecosystem.

Plant cultivation

The Murrin Bridge community in New South Wales used fire and soil management techniques to cultivate yams, a staple food. They employed a method called fire-stick farming to clear land and prepare soil for planting, where the ashes from the fire enriched the soil with nutrients, promoting healthy yam growth.

By rotating fields and allowing land to rest, our First Nations people ensured that agriculture remained sustainable and that soil fertility was maintained.

Tree cropping

The Dharawal people of South Australia practiced tree cropping, which involved selectively managing and harvesting specific tree species for food, tools, and medicine. They used techniques like coppicing, where trees are cut back to ground level to promote new growth, and sustainable harvesting to ensure that tree populations remained healthy and productive.

Bush tucker is a very important part of Aboriginal culture, and through methods like tree cropping and harvesting, they were able to (and continue to) consume sustainably by living off the land.

Find out more

We have lots of other resources and blogs about First Nations success on our website here, as well as blogs about university courses, life, and more.