

EDUCATION *at* TARONGA

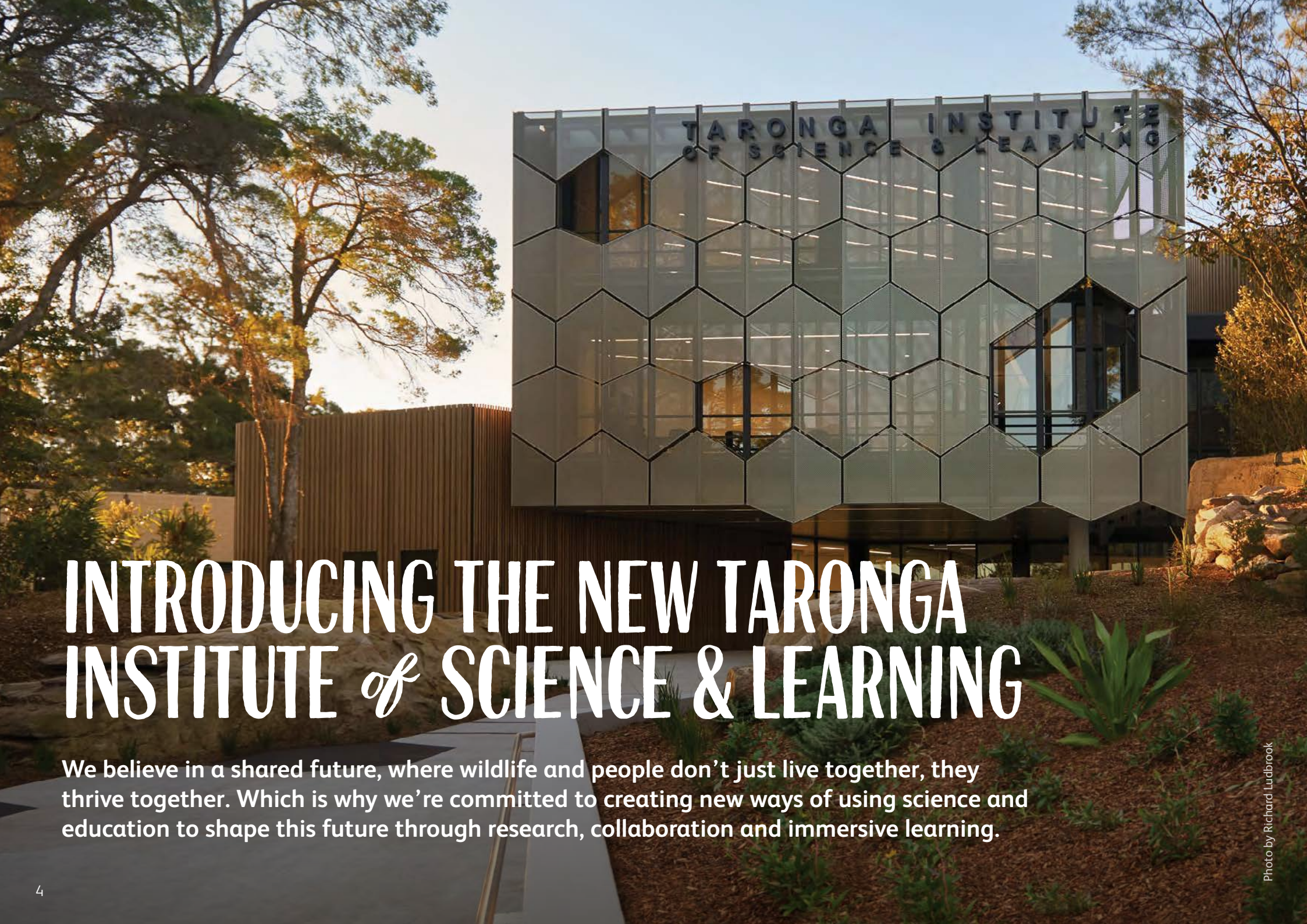
INSPIRING STUDENTS THROUGH NEW
WAYS OF LEARNING





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INTRODUCING THE NEW TARONGA INSTITUTE *of* SCIENCE & LEARNING

We believe in a shared future, where wildlife and people don't just live together, they thrive together. Which is why we're committed to creating new ways of using science and education to shape this future through research, collaboration and immersive learning.

To help us shape a future for wildlife and people, we have created the Taronga Institute of Science & Learning, a world-class facility built right in the heart of Taronga Zoo Sydney.

Taronga is home to the largest Zoo-based conservation science team in Australia and has been running formal education programs for more than 40 years. Now, students from preschool to PhD can study, explore and be inspired by our growing team of teachers, scientists, researchers and wildlife field staff as they pioneer solutions to save species from the brink of extinction.

Through the Taronga Institute, the first of its kind in the Southern Hemisphere, we have the opportunity to shape the mindset of the next generation of conservationists and inspire them to action.

Commitment to education

The Taronga Institute, together with the Taronga Zoo and Taronga Western Plains Zoo sites, brings science to life and demonstrates stronger alignment between school education programs offered and the Australian and NSW curriculums.

Inspiring uptake of STEM subjects

Taronga's aim is to inspire and educate the next generation of conservation scientists. The Taronga Institute supports the essential need for contextual authentic STEM learning and, together with the wider Zoo sites, provides authentic, interactive learning opportunities in an environment of working science. The co-location of teaching facilities and research labs creates tangible links between theory and practice.

Educating for our future

Taronga's education programs have been developed to inspire students and establish clear links between classroom learning and outcomes – providing students with skills, attitudes and the knowledge required to contribute to conservation.

Immersive Habitat Classrooms

These multisensory spaces are a blend of living animal habitat and classroom. The unique learning spaces will ignite your students' curiosity as they are immersed in one of three iconic habitats – woodland, desert or rainforest. As the animals move freely around these classrooms, your students will observe natural animal behaviour and engage in inquiry-based learning.

Digital teaching studio

A digital teaching studio will provide opportunities for rural and regional students and for any school who can't get to the Zoo to connect with Taronga's learning programs and Taronga science.

Centre for scientific excellence

Within the Taronga Institute there are purpose built laboratories, including a multi-disciplinary research laboratory, teaching laboratory and cryoreserve. These facilities will increase Taronga's research capabilities and enable increased engagement and collaboration with universities globally to address key conservation issues.



WHY CHOOSE TARONGA

It can be challenging to select the most valuable experiences for your students. At Taronga we make the choice easy.

Visible Learning (Hattie)

- Taronga's programs cover all stages of learning: Surface, Deep and Transfer. Learning is made Visible through clearly articulated learning intentions and success criteria

Access to experts

- Senior Education Officers from the NSW Department of Education, Catholic Education Office and Taronga's qualified teachers guide your workshop visit
- Taronga's education programs are developed by experts, including scientists, keepers, qualified teachers and veterinary staff

Links to curriculum

- Taronga's programs align with NSW NESA Syllabuses and strongly integrates the cross-curriculum priorities

Engaging learning environments

- Our location on Sydney Harbour immerses students in stunning animal habitats with strong conservation themes. The connections they make with wildlife will last a lifetime

Teacher resources

- Free online teacher resources are easily incorporated into your own learning programs before and after a visit. They focus on inquiry-based investigations with a local wildlife context

Cross-curriculum priorities

A visit to Taronga Zoo Sydney is a unique way to encourage student learning across the curriculum.

Taronga Zoo's setting, together with its education resources, provides a rich and unique opportunity for you to integrate all three priority areas into your programs.

Aboriginal and Torres Strait Islander histories and cultures

A wide variety of workshops and experiences have been created in partnership with local Aboriginal communities and Aboriginal Education Officers.

Asia and Australia's engagement with Asia

Taronga's conservation campaigns provide a thought provoking and inspiring focus for investigations that lead to student action. A visit to Taronga Zoo's Tiger Trek experience will enable your students to step into Sumatra and embrace the journey of Sumatran Tiger conservation.

Sustainability

Taronga's programs engage and empower you to deliver quality sustainability focused lessons in your classroom and beyond. Our resources guide students through a pre and post visit framework that leads to authentic sustainability driven changes in their local setting.



TEACHING RESOURCES

A Zoo excursion can be so much more than just a fun day out. Use our project style resources to structure your students' learning before, during and after a Zoo visit.



TARONGA'S EDUCATION PROJECT STYLE RESOURCES



AT SCHOOL

Students investigate an inquiry question.



AT THE ZOO

Self-guided visit

A visit to the Zoo will assist students to further develop their ideas and begin designing solutions to identified issues through access to rich and engaging information including animal observation.

Curriculum-based workshops

Animal encounters in the workshops provide students an intimate experience to gain inspiration and the skills to further evolve their ideas and begin forming solutions.



BACK AT SCHOOL

Students design and deliver a product or action to help resolve the issue.

FREE TEACHER RESOURCES

Free online teacher resources are available for both self-guided visits and workshops. taronga.org.au/sydney-teacher-resources

SELF-GUIDED VISITS



Bring your students to explore the Zoo at your own pace and encourage your students to be wildlife ambassadors. Our key animal trails focus on a range of habitats and purpose-built precincts are supported by over 15 daily animal keeper talks and shows.

With over 100 years' experience, Taronga Zoo offers schools interactive learning opportunities that enable students of all ages to engage with wildlife, develop a deeper understanding of conservation, and expand their knowledge of the natural world.

Download our free curriculum-linked teaching resources prior to your excursion to further enhance your students' learning experience before, during and after their Zoo visit.

Taronga Zoo is an accessible site and caters for all students with special needs. Contact us to discuss options.

FOR MORE INFORMATION

Visit taronga.org.au/sydney-self-guided

Call 02 9978 4578 | Email education@zoo.nsw.gov.au

BOOK NOW

Bookings are essential for all visits and programs.

To book online go to taronga.org.au/book-excursions

WORKSHOPS

Add an extra layer of learning to your school excursion with a 45 minute workshop involving animal encounters.

Delivered by our qualified Education Officers, these hands on curriculum-based classes cover a range of key learning areas including Science, Geography & History.

Curriculum-based Workshops have been created for all stages – from Early Stage 1 through to Stage 6.

FOR MORE INFORMATION

Visit taronga.org.au/sydney-school-workshops
Call 02 9978 4578 | Email education@zoo.nsw.gov.au

BOOK NOW

Bookings are essential for all visits and programs.
To book online go to taronga.org.au/book-excursions



NEW HABITAT CLASSROOMS

The first of their kind in the world!



LEARNING HAS EVOLVED

To support the changing landscape of teaching, Taronga has created living classrooms within the Taronga Institute – the first of their kind in the world!

These multisensory spaces combine cutting edge technology and animal exhibits. Animals move freely around the Habitat Classrooms that are themed around three iconic habitats – rainforest, desert, and woodland.

ALIGNED WITH CURRICULUM

The new Habitat Classrooms bring STEM disciplines to life and provide authentic learning experiences that align with curriculum priority areas.

INSPIRING ACTION

Taronga is not only leading the way with immersive learning, but also with ground-breaking conservation projects, that will inspire students to become champions for change.

Through the new Taronga Institute and Habitat Classrooms, we all now have the opportunity to shape the mindset of the next generation of conservationists and inspire them to action.



Desert classroom.
Photo by Milos Mlynarik



Cotton-top Tamarin in the Rainforest classroom.
Photo by Ogilvy

EARLY STAGE 1 – STAGE 1



Students participating in an invertebrate tree shake. Photo by Richard Ludbrook

ANIMAL ENCOUNTERS

EARLY STAGE 1 - STAGE 6

Outline

Engage your students in an intimate session meeting some fascinating native Australian animals. Learn about their roles in the environment and their unique features that help them survive in the wild.

BACKYARD TO BUSH TOUR

EARLY STAGE 1 Science & Technology

STe-1WS-S, STe-3LW-ST

Outline

Set off with a Zoo Educator on an exciting adventure from the Aussie bush, through a working farm environment, and into an urban backyard to discover how each place is unique and has a special purpose. Students will identify how these places meet the needs of living things and why it is important that people take care of them.

DREAMING AND LIVING ON THE LAND

EARLY STAGE 1 - STAGE 1 English, Geography and History

GEE-1, ENE-10C, ENE-11D, HTE-1

GE1-1, GE1-2, EN1-10C, EN1-11D, HT1-1, HT1-2, HT1-4

Outline

Dreaming stories are an integral part of Aboriginal culture and Indigenous Australians are the pioneers of sustainable land use. In this workshop your students will be immersed in a natural environment and experience intimate native animal encounters. This reinforces the importance of animals and Dreaming stories to Aboriginal people, their culture, and their connection to Country.

BACKYARD BUDDIES

STAGE 1 Science & Technology

ST1-1WS-S, ST1-4LW-S

Outline

Which living things in our backyards could use a helping hand? Your students will discover how to create habitats for wildlife and learn how different places provide the needs of living things. They can put this into practice back at school and get busy creating homes that meet the diverse needs of their Backyard Buddy friends.

BUG GARDEN

STAGE 1 Science & Technology

ST1-1WS-S, ST1-4LW-S

Outline

Bugs alive! Invertebrates are crucial in all ecosystems. In this workshop, your students will examine a rich variety of wild invertebrates and meet some of their predators. They will learn to identify different types of invertebrates and discover if they are a pest or a friend. All of this can be applied back at school by designing ways to improve the bug balance of your gardens.

FOOD AND FIBRE ON THE FARM

STAGE 1 - STAGE 2 Science & Technology

ST1-4LW-S, ST1-5LW-T, ST2-4LW-S, ST2-5LW-T



Outline

Explore the ways that animals and plants are grown for food and fibre production both in traditional Aboriginal and Torres Strait Islander cultures and in our world today. Students will get the latest BUZZ on Taronga Zoo's bees, building knowledge of their critical importance and on equipment and techniques used to produce and harvest delicious honey! A working farm combines technology and the environment to meet our everyday needs. Students will investigate how the design features of our farm environment ensures a happy producer and a healthy meal, while discovering the many ways that animals help meet our fashion and functional needs.

STAGE 2 - STAGE 3

FOOD AND FIBRE ON THE FARM

STAGE 1 - STAGE 2 Science & Technology

ST1-4LW-S, ST1-5LW-T, ST2-4LW-S, ST2-5LW-T



Outline

Explore the ways that animals and plants are grown for food and fibre production both in traditional Aboriginal and Torres Strait Islander cultures and in our world today. Students will get the latest BUZZ on Taronga Zoo's bees, building knowledge of their critical importance and on equipment and techniques used to produce and harvest delicious honey! A working farm combines technology and the environment to meet our everyday needs. Students will investigate how the design features of our farm environment ensures a happy producer and a healthy meal, while discovering the many ways that animals help meet our fashion and functional needs.

LIFE CYCLES

STAGE 2 Science & Technology

ST2-1WS-S, ST2-4LW-S

Outline

All animals have a lifecycle. Students will learn how the features and needs of animals change and develop as they move from stage to stage. They will meet animals with unique lifecycles and by designing habitats for the schoolyard and backyard, investigate how they can help overcome the challenges these species face.

THE EARTH'S ENVIRONMENT

STAGE 2 Geography

GE2-1, GE2-2, GE2-3

Outline

In this workshop students will examine the climate, vegetation and native animals of Australia and Sumatra. They will discover the ways people value environments, including Aboriginal and Torres Strait Islander Peoples and learn about the importance of habitats for animals and people. Students will investigate how our choices impact these places and how people can use places and environments more sustainably. A visit to Tiger Trek is a valuable addition to your day post-workshop to reinforce the concepts discussed.

CAMMERAIGAL CONNECTIONS

STAGES 2 English, History and Geography

GE2-1, GE2-2, GE2-3, EN2-6B, EN2-11D, HT2-1, HT2-2, HT2-3, HT2-4, HT2-5

Outline

This workshop is unique to the Taronga Zoo Sydney site. Students will engage with Dreaming stories, animals and cultural learnings while highlighting the strong connections between Cammeraigal people and the surrounding natural environment.

THROUGH THE EYES OF A SCIENTIST

STAGE 2 - STAGE 3 Science & Technology

ST2-1WS, ST2-4LW, ST3-1WS, ST3-4LW-S



Outline

Curiosity drives scientific discovery by bringing learners to knowledge. Students will become a scientist, exploring the scientific process through our amazing themed habitat classrooms.

SURVIVING IN A CHANGING WORLD

STAGE 3 Science & Technology

ST3-4LW-S, ST3-11DI-T

Outline

Adaptations are remarkable features that have evolved in animals over many generations to help them thrive in their environment, but what happens when that environment changes too rapidly? Students will observe a range of animal adaptations and use Taronga Zoo's Wildlife Hospital as a case study in considering how today's changing environments challenge animals. After getting a first-hand insight into the global ramifications of our daily choices students will explore what we can do to combat negative human impacts on the environment.

ENCLOSURE DESIGN (STEM)

STAGE 3 Science & Technology, Mathematics

STAGE 4 Science, Mathematics, Mandatory Technology

STAGE 5 Science, Mathematics 5.1, Design & Technology

Outline

Modern Zoos are education and research facilities that support wildlife conservation both on-site and in the wild. After undertaking research and observation of animals in Taronga's care, students will develop a design brief for a new animal enclosure. Animal welfare, enrichment, visitor engagement, safety, functionality, as well as budgeting and ethical, sustainable design principles are considered as part of the design process.

ZOO CLUES

STAGE 3 - STAGE 4 Science and Mathematics

ST3-1WS-S, ST3-4LW-S, MA3-1WM, MA3-2WM, MA3-3WM

SC4-6WS, SC4-7WS, SC4-8WS, SC4-9WS, SC4-14LW, MA4-1WM,

MA4-2WM, MA4-3WM



Outline

Scientific inquiry is a tool that learners can use to help understand the world around them. They do this by observing, asking questions, gathering data and formulating explanations. In this workshop, students will work in teams and use scientific and mathematical skills to solve a Zoo mystery. They will study the clues, analyse the evidence and apply reasoning to solve the mystery of the animal escapee all while learning about features of living things.



STAGE 4 - STAGE 5

Photo by Clancy Job

ENCLOSURE DESIGN (STEM)

STAGE 4 Science, Mathematics, Mandatory Technology
STAGE 5 Science, Mathematics 5.1, Design & Technology

Outline

Modern Zoos are education and research facilities that support wildlife conservation both on-site and in the wild. After undertaking research and observation of animals in Taronga's care, students will develop a design brief for a new animal enclosure. Animal welfare, enrichment, visitor engagement, safety, functionality, as well as budgeting and ethical, sustainable design principles are considered as part of the design process.

ZOO CLUES

STAGE 3 - STAGE 4 Science and Mathematics

ST3-1WS-S, ST3-4LW-S, MA3-1WM, MA3-2WM, MA3-3WM
SC4-6WS, SC4-7WS, SC4-8WS, SC4-9WS, SC4-14LW, MA4-1WM,
MA4-2WM, MA4-3WM



Outline

Scientific inquiry is a tool that learners can use to help understand the world around them. They do this by observing, asking questions, gathering data and formulating explanations. In this workshop, students will work in teams and use scientific and mathematical skills to solve a Zoo mystery. They will study the clues, analyse the evidence and apply reasoning to solve the mystery of the animal escapee all while learning about features of living things.

CLASSIFICATION AND ADAPTATIONS

STAGE 4 Science

SC4-14LW, SC4-15LW, SC4-8WS

Outline

Students investigate how scientists group living things and why classification is so important. Through intimate animal encounters and keen observation, students draw connections between the structure and function of different animal groups to their classification, survival and reproduction. They can also discover some amazing adaptations that give wildlife the edge for survival.

SCIENCE IN ACTION

STAGE 4 - STAGE 5 Science

SC4-4WS, SC4-6WS, SC4-9WS

SC5-4WS, SC5-6WS, SC5-9WS



Outline

Central to scientific inquiry is the idea that evidence and observation form the basis of defensible conclusions. In this workshop students work as scientists exploring the key inquiry question – how does observation instigate scientific investigation?

CONNECTING TO COUNTRY

STAGE 4 - STAGE 5 History and Geography

HT4-2, HT4-6, GE4-1, GE4-4

HT5-4, GE5-3, GE5-4, GE5-5

Outline

In this fascinating workshop, students will learn about the importance of the land's role in kinship, spirituality and everyday life for Aboriginal and Torres Strait Islander Peoples. This workshop draws on the location of Taronga Zoo's culturally significant sites to explore Aboriginal history and identity while reinforcing a connection to Country.

EXPLORING ECOSYSTEMS

STAGE 5 Science

SC5-14LW, SC5-2VA

Outline

Ecosystems are complex, incredibly diverse and come in all different sizes. This workshop allows students to explore how energy flows through food chains and food webs as well as considering the importance of keystone species. The threats and challenges to ecosystems and the role we can play in protecting them is investigated. Students will have the opportunity to meet a range of incredible animals and investigate the roles that they play within their native ecosystems.

ENVIRONMENTAL CHANGE AND MANAGEMENT

STAGE 5 Geography

GE5-2, GE5-3, GE5-4, GE5-5, GE5-7, GE5-8

Outline

Students will develop an understanding of the causes and consequences of human-induced environmental change in Australia and Sumatra. Students will explore worldviews influencing approaches to environmental use and management and gain an understanding of the value of a biologically rich landscape. They will evaluate the management responses to deforestation in both countries, propose ways individuals can contribute to sustainability, and recognise that there are differing views on how sustainability can be achieved.



Photo by Rick Stevens

STAGE 6



BIOLOGICAL DIVERSITY

BIO11-5, BIO11-7, BIO11-9, BIO11-10

Outline

Biodiversity is important to balance the Earth's ecosystems. Students will learn about the Theory of Evolution by Natural Selection, evidence for evolution and the effect of various selective pressures, focusing on species observed by Charles Darwin. Students investigate different types of adaptations and the relationships between organisms in terms of specialisation, using a range of interesting Australian and exotic species as examples.

HEREDITY AND GENETIC CHANGE

BIO12-12, BIO12-13

Outline

In this workshop students will explore how biodiversity is achieved through reproduction and heredity. Using a range of Australian animals as case studies, students will investigate a variety of reproductive methods and the influence of environmental factors on reproductive success and inheritance patterns. Students will learn how Taronga's use of contemporary genetic research and reproductive technologies are helping ensure the conservation of many iconic species.

IT'S ZOO BUSINESS

MARKETING: H1, H2, H5, H6, H7, H8, H9

Outline

Using the Zoo as a case study, students will investigate the development and implementation of Taronga's successful marketing strategies. Dependent on a strong business model to succeed and achieve set objectives for wildlife care and conservation, Taronga's diverse target markets, product offering and promotional strategies are explored.

OBSERVING ANIMAL BEHAVIOUR

YEAR 11 INVESTIGATING SCIENCE - INS11-1, INS11-2, INS11-3, INS11-7, INS11-8

Outline

Behavioural observations allow scientists to collect and record data enabling them to test hypotheses to ensure animal wellbeing and survival. Taronga Zoo is the perfect environment to plan, observe and record animal behaviour. In this workshop students will collect primary data through authentic scientific animal observations.



Regent Honeyeater breed-and-release program.
Photo by Dean Ingweison



Bellinger River Turtle breed-and-release program.
Photo by Paul Fahy

FULL DAY PROGRAMS



SCHOOLS FOR THE WILD – 10 WEEK UNIT

STAGE 3 English, Geography and Creative Arts

EN3-2A, EN3.5B, EN3-5B, GE3-1, GE3-2, GE3-4, VAS3.2, VAS3.4

Unit Outline: 10 weeks

This unit uses a project based learning approach that enables students to explore the real world challenge of conserving endangered species. Students will be empowered to take action within their communities, which significantly contributes to the conservation of Taronga Zoo's Legacy Species from Australia and Sumatra.

Challenge: To advocate for a threatened species and to take action to help protect its future.

Download the free unit of work and legacy species fact files here
taronga.org.au/schools-for-the-wild

OCEANS OF WASTE – GEOGRAPHY FOCUS DAY

STAGE 2, STAGE 5

GE2-1, GE2-2, GE2-3, GE2-4

GE5-3, GE5-4, GE5-5

It is estimated that 8 million tonnes of new plastic debris enters the world's oceans every year. This focus day features workshops led by experts, up-close experiences with animals impacted by marine debris, traditional Aboriginal perspectives, a beach clean-up and debris analysis. It is designed to enhance your students' geographical knowledge and ignite their passion for exploring sustainable solutions to real world problems.

MEET A KEEPER

Meet a Keeper is a one-day program for school students aged 14 years and over who have expressed a keen interest in pursuing a career at the Zoo or in the captive animal care industry.

This unique program includes a seminar presented by a talented panel of Zookeepers, Zoo educators and other Zoo staff members. Students have the opportunity to learn about all aspects of zoo-keeping and experience a mystery behind-the-scenes tour.

BIOLOGICAL DIVERSITY STUDY DAYS*

STAGE 6 Biology – Module 3: Biological Diversity

This full day program, developed by the Australian Museum, the Royal Botanic Gardens & Domain Trust and Taronga Zoo, explores Charles Darwin's discovery of Australia's diverse Biota. Students will examine fossils, specimens, live animals and plants to understand biological diversity by explaining the relationships between a range of organisms in terms of specialisation for selected habitats and evolution of species.

*Held at various locations around New South Wales.

YEAR 11 DEPTH STUDY - OBSERVING ANIMAL BEHAVIOUR

YEAR 11 INVESTIGATING SCIENCE - INS11-1, INS11-2, INS11-3, INS11-7, INS11-8

Behavioural observations allow scientists to collect and record data enabling them to test hypotheses to ensure animal wellbeing and survival. Taronga Zoo is the perfect environment to plan, observe and record animal behaviour. Guided by Zoo scientists and education officers, students will collect primary data through authentic scientific animal observations. This excursion will contribute five hours to a depth study and is complimented by pre and post excursion activities.

YEAR 11 DEPTH STUDY - WILDLIFE AT RISK

YEAR 11 BIOLOGY - BIO11-1, BIO11-5, BIO11-6, BIO11-7, BIO11-10, BIO11-11

EARTH AND ENVIRONMENTAL SCIENCE - EES11-1, EES11-5, EES11-6, EES11-7, EES11-11

Outline

Biodiversity is not a luxury – it is a necessity. Global trends indicate wildlife population numbers are decreasing dramatically due to natural and human influences. Taronga's Conservation Society is perfectly placed to engage students with depth studies. Students will engage with Taronga's scientists and experts to deepen their understanding of risks threatening populations and conservation efforts. Students will design initiatives that empower people to take action to reduce threats to wildlife and ecosystems. This excursion will contribute five hours to a depth study and is complimented by pre and post excursion activities.



Taronga Institute of Science & Learning collaborative space.
Photo by Richard Ludbrook

FULL DAY PROGRAMS



STAGE 6 DEPTH STUDY – AUSMAP

YEAR 11 EARTH AND ENVIRONMENTAL SCIENCE –
EES11-1, EES11-3, EES11-4, ESS11-5, EES11-7, EES11-11
YEAR 11 INVESTIGATING SCIENCE DEPTH STUDY –
INS11-1, INS11-3, INS11-4, INS11-5, INS11-7, INS11-8
YEAR 12 INVESTIGATING SCIENCE DEPTH STUDY –
INS12-1, INS12-3, INS12-4, INS12-5, INS12-7, INS12-12

NEW

This full day program takes students through the Citizen Science Australian Microplastic Assessment Project. AUSMAP is a coalition of school students, environment groups, universities and educators gathering critical new data about microplastic in our waterways. Your students will apply the process of working scientifically by developing a hypothesis, collecting and processing data from the Sydney Harbour foreshore, and evaluating the impact of microplastics on marine fauna. The data collected by your students helps to create vivid maps of microplastic pollution hotspots around Australia, enabling communities and government to implement behaviour change, regulate industry, and develop better waste management systems.

YEAR 12 DEPTH STUDY – Dating with DNA: Taronga's Breeding Programs

YEAR 12 Biology

BIO12-1, BIO12-5, BIO12-6, BIO12-7, BIO12-12, BIO12-13,

NEW

Outline

With a rapidly increasing number of wild animal species facing extinction, zoos play a vital role in sustaining insurance populations through captive breeding, with the aim of maintaining the genetic diversity of a species. Through this depth study, students will develop a practical understanding of how science is used to make predictions about future changes to populations and will investigate how predictive models of inheritance enable decision making to maintain genetic diversity in captive animal populations. Students will also explore the impact of biotechnology on biological diversity and learn about the work and research of Taronga's scientists in developing reproductive technologies for the genetic management of endangered species.

TOURISM – AN ECONOMIC ACTIVITY

STAGE 6 Geography – People and Economic Activity

This program is a partnership between Observatory Hill EEC and Taronga Zoo Sydney and focuses on the Stage 6 Geography topic 'People and Economic Activity'. Students learn about the global tourism industry and participate in a case study of Taronga Zoo Sydney, as an example of an economic enterprise within the tourism industry.

IT'S ZOO BUSINESS DAY

STAGE 6 Business Studies – Marketing

A favourite tourist attraction due to its location and diverse animal collection, Taronga Zoo is also a leader in research, conservation and education both locally and internationally. Guest presenters from Zoo divisions such as Marketing and Human Resources discuss their role in the business and the work that they do. A special keeper talk will highlight the main business of the Zoo – conservation.

FOR MORE INFORMATION

Visit taronga.org.au/sydney-full-day-programs

Call 02 9978 4578 | Email education@zoo.nsw.gov.au

BOOK NOW

Visit taronga.org.au/book-excursions

WILD ROPES *for* SCHOOLS

Wild Ropes welcomes school groups of all sizes for a motivating day of educational fun. Immerse yourself in nature, as your students challenge themselves and work as a team on our high ropes course while they master suspension bridges, tunnels, obstacles and flying foxes. Students will relish the thrill of learning about themselves, each other and the environment while they master suspension bridges, tunnels, obstacles and flying foxes.

WILD
ROPES

BOOK NOW

To Book Wild Ropes Only:
Call 02 9932 4246
Email info@wildropes.taronga.org.au

To Book Wild Ropes in addition to
another education product:
Call 02 9978 4578
Email education@zoo.nsw.gov.au



Photo by Rick Stevens

NAIDOC WEEK

JULY

Visit one of our Zoos to celebrate NAIDOC Week with Taronga. There will be a focus on cultural histories, nature, the land and connections with Cammeraigal culture at Taronga Zoo and Wiradjuri culture at Taronga Western Plains Zoo.



Photo by Richard Ludbrook

SCIENCE WEEK

AUGUST

See wildlife through the eyes of a scientist during Science Week. A program of activities will be created to engage your students in conservation science. The website will be updated with information as details are finalised.

BRINGING THE ZOO *to* YOU

Taronga's incursion programs cater for all ages and abilities and our sessions can be tailored to meet your curriculum needs.





Photo by Rick Stevens

ANIMALS OF THE DREAMING WITH COL HARDY, OAM

ALL STAGES

Experience an entertaining performance combining Dreaming stories, songs and artefacts, with live animals and environmental messages. During the presentation, your students will hear stories and songs from the Dreaming about animals as told by Col Hardy, a highly respected Aboriginal elder.



Photo by Rick Stevens

SCHOOL ZOOMOBILE

ALL STAGES

Choose from our curriculum based workshops and bring the Zoo to you as a great alternative to a Zoo visit. Workshops are aligned with NSW Syllabus for the Australia Curriculum and engage students in authentic conservation actions within their communities.

FOR MORE INFORMATION

Call 02 9978 4553 | Email zoomobile@zoo.nsw.gov.au

BOOK NOW

To book online go to taronga.org.au/book-zoomobile

DIGITAL ENGAGEMENT



TARONGA'S LEGACYLIVESERIES **NEW**

ALL STAGES

Can't make it to Taronga Zoo? Let us connect with you through Video Conference. All of our workshops can be delivered digitally via VC. Contact us to arrange an engaging way to connect with Taronga Zoo Educators and Conservation Experts in real time, wherever you are!

EXTENSION SCIENCE VIDEOS **NEW**

STAGE 6

Connect students with the incredible work of Taronga Zoo's Conservation Scientists through our new Extension Science videos. These videos are designed to connect students with contemporary research, fieldwork and data from our inspirational working scientists.

GOOGLE EXPEDITIONS **NEW**

Taronga Education has gone virtual! Join us for two exciting Virtual Reality experiences using Google Expeditions, in your own time, in your own classroom. Guide your students through immersive 360° panoramic scenes, dive deeper into Careers in Conservation at Taronga Zoo Sydney or go wild and head out On Safari at Taronga Western Plains Zoo Dubbo. This collaborative partnership with NSW Department of Education's STEMShare community project is the perfect precursor to your Zoo visit or a powerful stand-alone educational experience.

FOR MORE INFORMATION

Visit taronga.org.au/education/digital-programs

ASK AN EXPERT **NEW**

Nothing compares with getting the right facts directly from experts in their field of work. If you use the simple 'Ask a Taronga Zoo Expert' form, the Zoo's Education Officers will source your answer directly from Taronga's wildlife and conservation experts.

VIDEO CONFERENCING

ALL STAGES

Can't make it to Taronga Zoo? Let us connect with you through Video Conference. All of our workshops can be delivered digitally via VC. Contact us to arrange an engaging way to connect with Taronga Zoo Educators and Conservation Experts in real time, wherever you are!

TARONGA ZOO APP

Do you want to stay up to date with everything happening during your visit to Taronga Zoo? The free Taronga Zoo app provides you with all the information you will need for a day at the Zoo right at your fingertips. An interactive map helps you access all areas of Taronga Zoo and the convenient planner ensures that you never miss that unforgettable show or expert keeper talk.



EVENING & OVERNIGHT PROGRAMS

Bring your creatures to spend the night with ours!



Photo by Rick Stevens

ZOOSN00Z - SLEEPOVER AT THE ZOO

This unique overnight experience offers a great way for students to learn about animals and the environment. Students will immerse themselves in a special evening safari tour, an early morning walk and up close animal encounters. Cost includes dinner, accommodation, breakfast and entry to the Zoo the following day.

Packages start from \$1,990*

Availability: School terms | Mon – Thu 5.15pm – 10.00am + the following

Participants: min 20, max 90

*Prices subject to change

BOOK NOW

Visit taronga.org.au/sydney-zoosnooz

Call 02 9978 4578 | Email education@zoo.nsw.gov.au

TWILIGHT SAFARI - EVENING TOUR

Explore Taronga Zoo as the sun goes down. Students will enjoy dinner at the Zoo, discover wild creatures on a private night walk and get to meet amazing animals up close.

Cost: from \$45* per student

Availability: School terms | Mon – Thu 5.15pm – 9.00pm

Participants: min 20, max 60

*Prices subject to change

BOOK NOW

Visit taronga.org.au/sydney-twilight-safari

Call 02 9978 4578 | Email education@zoo.nsw.gov.au

WORK EXPERIENCE

Taronga Zoo Sydney offers school work experience opportunities for students in Years 10, 11 and 12. Placements are available for students interested in pursuing a career in zoo keeping, animal care, tourism or zoo horticulture. Placements open at the start of term 4 every year.

FOR MORE INFORMATION

Visit taronga.org.au/sydney-work-experience

Call 02 9932 4378 | Email vocedtz@zoo.nsw.gov.au



SENIOR PATHWAYS

Vocational Education and Training – STAGE 5 - 6

The 'Taronga Training Institute' is a Registered Training Organisation with a variety of Board endorsed courses on offer for 2019. We remain Australia's only zoo-based RTO training facility able to provide trainee access to a wide range of animals, Taronga staff and zoo keepers (experts in their field) and hands-on practical experience. The following courses are offered at Taronga Zoo Sydney.

CERTIFICATE II TOURISM

STAGE 6
SIT20116

The SIT20116 Certificate II in Tourism is a Stage 6 Board Endorsed/VET course (3 units of credit at the Preliminary and/or HSC level) offered to year 11 or 12 students.

- One day per week (Terms 1-3 over one year)
- Plus work experience at Taronga Zoo

CERTIFICATE II ANIMAL STUDIES

STAGE 6
ACM20117

The ACM20117 Certificate II in Animal Studies is a Stage 6 Board Endorsed VET course (4 units of credit at the Preliminary and/or HSC level) offered to year 11 or 12 students.

- One day per week (Terms 1-3 over one year)
- Plus up to 35 hours work experience at Taronga Zoo

Notes:

- Students may choose to apply to complete both Certificate II courses consecutively – giving them a total of 7 units of credit over 2 years
- Please be aware that this course does not count towards the ATAR
- To enrol, students must see their Schools Careers Advisor to register on the EVET site

FOR MORE INFORMATION

Visit taronga.org.au/hsc-certificate-courses

Taronga Training Institute Registered Training Organisation (RTO 91359)

Photo by Richard Ludbrook

BACHELOR OF SCIENCE/BACHELOR OF ADVANCED STUDIES (TARONGA WILDLIFE CONSERVATION)

This undergraduate course is a unique offering that will develop students' expertise in wildlife conservation. For those who dream of making an impact in the conservation sector, to secure a future for wildlife and people, this degree will provide highly applicable and sought-after skills for a wide range of careers.

Students will be taught by dedicated researchers and practitioners from two of Australia's premier institutions, the University of Sydney and Taronga Conservation Society Australia, as they learn to address global challenges pertaining to conservation.

Students will graduate with advanced research skills in biology and wildlife conservation combined with a highly developed sense of curiosity and self-direction, as well as intercultural skills enhanced via mobility opportunities. They'll be able to lead behavioural change in the community for sustaining our planet's biodiversity.



THE UNIVERSITY OF
SYDNEY

In alliance with

TARONGA
CONSERVATION SOCIETY AUSTRALIA

FOR MORE INFORMATION

Visit sydney.edu.au/courses/bachelor-science-advanced-taronga-wildlife-conservation
Call 1800 793 864



FOR TEACHERS

TARONGA TEACHERS ASSOCIATION ZOO FRIENDS MEMBERSHIP

Taronga Teachers Association (TTA) is a professional membership group that is committed to supporting and assisting teachers to become inspiring and effective educators who are passionate about the environment and leading students to create a more ecologically and socially just world through informed action. Join today and become a part of our vision of securing a shared future for wildlife and people.

As well as unlimited entry to Taronga Zoo in Sydney and Taronga Western Plains Zoo in Dubbo, TTA Zoo Friends membership also entitles you to:

- FREE admission for 12 months to Adelaide, Melbourne and Perth Zoos
- 15 % discount in all Zoo Shops
- 10 % discount at Roar and Snore at Taronga Zoo on select days
- Regular updates from Taronga Education via e-newsletter
- Exclusive member events
- Discounted memberships for family members
- Exclusive pre-sale opportunities and ticket discounts for our best events including Taronga's New Year's Eve party and Twilight Concerts

Our way of supporting teachers is by ensuring yearly fees for Taronga Teachers Association are less than Zoo Friends membership.

FOR MORE INFORMATION

Visit taronga.org.au/tta

Email tta@zoo.nsw.gov.au

TEACHER PROFESSIONAL LEARNING

Taronga's registered and non-registered courses are developed and delivered in partnership with Curriculum and Teacher Quality Advisors from the NSW Department of Education, Catholic Education Office, Zoo and external experts.

Courses are delivered at Taronga Zoo Sydney or via video conference. Taronga's courses focus on Science & Technology and Geography syllabuses and ways to integrate the mandatory cross-curriculum priority areas of Sustainability and Aboriginal and Torres Strait Islander Histories and Cultures into your programming.

Project Based Learning and STEM are other focus areas with specialist courses designed to assist you with syllabus interpretation and integration, using Taronga as a rich and powerful learning resource for students to engage with nature.



FOR MORE INFORMATION

Visit taronga.org.au/teacher-professional-learning

MASTER OF EDUCATION (TARONGA CONSERVATION EDUCATION)

The master's program is a unique specialisation offered through the exclusive educational alliance between Taronga Conservation Society Australia and the University of Sydney. The modular course is designed to develop and support the careers of teaching professionals, education administrators, researchers and policymakers. It will appeal to practising teachers, nature conservationists and wildlife professionals at all levels.

Entry is dependent on prior study or recognised professional experience. Classes will be held at the University of Sydney campuses and the new Taronga Institute of Science & Learning.

CONSERVATION THROUGH EDUCATION

The University of Sydney and Taronga Conservation Society Australia share a commitment to creating transformative education programs. Our aim is to provide students with skills and expertise in conservation vital to securing a healthy future for wildlife and people.



THE UNIVERSITY OF
SYDNEY

In alliance with

TARONGA
CONSERVATION SOCIETY AUSTRALIA

FOR MORE INFORMATION

Visit www.sydney.edu.au/courses/master-education-taronga-conservation
Call 1800 793 864



Corroboree Frog breed-and-release program.
Photo by Lorinda Taylor



Echidna puggle.
Photo by Paul Fahy

CONSERVATION PROGRAMS

ACT FOR THE WILD

Every single day you make an impact on the planet. One simple choice can make a world of difference to wildlife.

Do you want to inspire your students to create change in their school or community? Taronga's community campaigns provide the opportunity for your students, class or whole school help protect wildlife across the globe.

GET INVOLVED

Visit taronga.org.au/act-for-the-wild



LITTER FREE OCEANS

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Every piece of plastic ever created still exists, and over 5 trillion pieces of it are floating in our oceans as litter. Single-use plastic is an unnecessary convenience with a big impact on marine wildlife. There are many ways to start your plastic free journey, and it can seem overwhelming to tackle such a big issue at the beginning. Just remember that every journey starts with the first step!

Download your Litter Free Oceans Toolkit at taronga.org.au/litter-free-oceans



THEY'RE CALLING ON YOU

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All four subspecies of gorillas are now critically endangered. But by recycling old mobile phones, your school can help protect them. Support our campaign through your school by bringing the gorillas' story to your classroom. Collect 10 old mobile phones and you can get a free courier pick up service. We'll also send your class a special thank you!



RAISE YOUR PALM

RAISE YOUR PALM

Want to make your school tiger-friendly – the school canteen is a great place to start! If you've heard of palm oil, you've probably heard it's bad for the environment. But the truth is it doesn't have to be. The oil itself is not the problem – the problem lies with how and where it has been produced. Choose Certified Sustainable Palm Oil (CSPO) for the best way to protect the environment and the people and wildlife that live in it.

TARONGA WESTERN PLAINS ZOO

OUT ON THE PLAINS

Looking for more adventure? Taronga Western Plains Zoo, Dubbo is home to hundreds of rare and endangered animals, like rhinos and big cats, and is just a five hour drive from Sydney.

Walk or ride your way around the 6km circuit that meanders through natural bushland and around large open style habitats.

BILLABONG CAMP ZOOSNOOZ

This overnight experience offers an immersive bush camping experience with tents situated around a picturesque billabong.



FOR MORE INFORMATION

Visit taronga.org.au/dubbo-education

Call 02 6881 1433 | Email twpzeducation@zoo.nsw.gov.au



TARONGA ZOO SYDNEY EDUCATION BOOKINGS

Call 02 9978 4578

Email education@zoo.nsw.gov.au

taronga.org.au/sydney-education



Education

