



Australian
National
University



SCHOOLS ENRICHMENT PROGRAM

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WORKSHOPS

The ANU Enrichment program has been designed to provide your students in years 7-11 with flexible opportunities to experience the ANU. A wide variety of workshops have been created across all of our academic colleges, each aiming to give students an idea of what life is like at University by experiencing workshops and programs designed specifically for them.

If you would like more information, or are interested in booking one of the workshops for your students, please write to student.recruitment@anu.edu.au

Angry Birds

In this workshop students will learn how to build an artificially intelligent agent that can play the popular game, Angry Birds, as well as or better than human players.

Students will gain experience using Snap!, a simple visual programming language that is very easy to learn and to use.

This workshop will also look into the fun side of Artificial Intelligence and how AI can successfully interact with the real world while students gain hands-on coding experience.

College	ANU College of Engineering and Computer science
Areas of interest	Computing, computer science, coding, artificial intelligence
Location	On-campus
Year group	9-12
No. of students	36 on campus, in-school numbers dependent upon computer access
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

ANU Languages Showcase

Designed to give students a taste of the languages we offer through short presentations and interactive activities. Learn more about life as an ANU student by hearing from some of our current language students.

Language majors include: Ancient Greek, Arabic, Chinese (Mandarin), French, German, Hindi, Indonesian, Italian, Japanese, Korean, Latin, Persian, Sanskrit, Spanish, Thai, Urdu, and Vietnamese.

College	ANU College of Arts and Social Sciences
Areas of interest	Asian languages, European languages, ancient languages, Middle Eastern languages
Location	On campus
Year group	9-12
No. of students	500 max
Time	10am – 3pm
Availability	Tentative June 2016
Format	Interactive lectures, presentations
Cost	No cost

Art at ANU: Tours of the School of Art

The ANU School of Art (SoA) prepares students for professional careers in visual arts, media arts and design. It has built a reputation as a leading arts educator offering specialist training across a range of disciplines such as Art History and Art Theory within the visual arts, craft and design. Tour through the varied workshops including, Ceramics, Furniture, Glass, Gold and Silversmithing, Painting, Photography and Media Arts (including digital video, computer animation, networked art and electronic sound), Printmedia, Drawing, Sculpture, and Textiles.

College	ANU College of Arts and Social Sciences
Areas of interest	Art
Location	On campus. School of Art, 105 Childers Street, ANU Campus
Year group	9-12
No. of students	15 preferred. Maximum 20
Time	30-60 mins (flexible) 30 min tour would include 4-5 workshops. 60 min tour would include more
Availability	Any day of the week except Monday during teaching periods
Format	Tour
Cost	No cost

Art History and Art Theory

Art History introduces students to painting, sculpture, printmaking, photography, architecture, film, digital images and the decorative arts within their historical, social, cultural and political context.

Art Theory is primarily designed to meet the needs and interest of visual arts designers and makers by informing their practice with sustained critical inquiry into the social, cultural, ethical and historical context of contemporary art.

Discover these key interdisciplinary fields in the ANU School of Art.

College	ANU College of Arts and Social Sciences
Areas of interest	Art history, art theory
Location	On campus. School of Art, 105 Childers Street, ANU Campus
Year group	11-12
No. of students	15 preferred. Maximum 20
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Presentation
Cost	No cost

Archaeology: Practical skills on the dig site

Practice using the tools, methods and skills of our archaeologists and students at the ANU digsite—the same ones that led to the 2015 rediscovery of the Springbank Island homestead.

College	ANU College of Arts and Social Sciences
Areas of interest	Archaeology
Location	On campus
Year group	9-12
No. of students	20 max
Time	60-90 mins
Availability	Anytime during teaching period
Format	Brief presentation followed by interactive activity
Cost	No cost

WORKSHOPS

Artificial Intelligence

This session commences with an introduction to the field of artificial intelligence (AI). The history of the field is also examined, starting from the aspirations of the ancient Greeks to build autonomous machines, through to the establishment of the field as a science in 1956, up to contemporary research and achievement such as self-driving cars and computer game players. Links between AI research and science fiction are discussed, and students participate in activities that demonstrate various aspects of AI research including a conversation with Eliza (one of the first chatter-bots), an experiment in probability, and a demonstration of interactive computer vision.

College	ANU College of Engineering and Computer science
Areas of interest	Robotics, coding, engineering, computing, artificial intelligence, human centred computing
Location	On-campus and in school
Year group	9-12
No. of students	Not specified (flexible)
Time	60 mins
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Astrophysics with Dr Charles Lineweaver

Dr Charley Lineweaver is a Senior Fellow with the Planetary Science Institute at the Research School of Astronomy and Astrophysics at ANU. His current research projects include exoplanet statistics, the recession of the Moon, cosmic entropy production, major transitions in cosmic and biological evolution and phylogenetic trees. This lecture is an introduction to this field of science, for interested students.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, evolution, biology, physics and astronomy
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Attend an Ensemble Rehearsal

Observe the rehearsal process for an ensemble (jazz/contemporary) with Bachelor of Music students, including interaction between the players and the ensemble director and the exploration of musical concepts.

College	ANU College of Arts and Social Sciences
Areas of interest	Music
Location	On campus, School of Music, 100 Childers Street, ANU Campus
Year group	9-12
No. of students	20
Time	Up to 2 hours
Availability	During teaching periods
Format	Audience
Cost	No cost

Bachelor of Philosophy (PhB) Symposium

This symposium is aimed at showcasing the PhB program to year 11 secondary students from across Canberra and the surrounding region who are interested in the opportunity to gain real-world research experience during their undergraduate degree or who may be considering a career in academia. Modelled on the world-renowned Three Minute Thesis (3MT), current PhB students will give 3 minute presentations on interesting research projects they've taken across the sciences, arts, humanities, social sciences and Asia-Pacific studies, showcasing the many opportunities offered in PhB and at the ANU more broadly.

The PhB program at ANU is one of the most prestigious and rewarding degrees across Australia, offering unique opportunities to participate in real research at the undergraduate level leading to an integrated honours degree. Students are required to complete at least three projects throughout, and these often take place at the frontier of their chosen field with one-on-one guidance from world-leading experts. Currently there are PhB programs in the ANU Colleges of Sciences, Arts and Social Sciences and Asia and the Pacific.

College	ANU College of Arts and Social Sciences ANU College of Asia & the Pacific ANU College of Physical & Mathematical Science ANU College of Medicine, Biology & Environment
Areas of interest	Research
Location	On campus
Year group	11
No. of students	200 max
Time	10am – 2pm
Availability	10 March 2016
Format	Presentations
Cost	No cost. Lunch will be provided.

Being safe and keeping safe online

Delivered by our leading criminologists, this session is designed to provide students with the tools to understand safety on the internet. Information in the session can include phishing attempts, security of personal information, and social media.

College	ANU College of Arts and Social Sciences
Areas of interest	Criminology, cyber safety, social media
Location	On campus
Year group	10-12
No. of students	20 max
Time	90 mins
Availability	Anytime during teaching period
Format	Brief presentation followed by interactive activity
Cost	No cost

Biological and forensic anthropology: Bone lab

An interactive workshop in which students will handle and identify hominid and primate bones, and learn to identify certain genetic markers that are recognisable through skeletal remains from our skilled researchers and students.

College	ANU College of Arts and Social Sciences
Areas of interest	Anthropology
Location	On campus
Year group	11-12
No. of students	15 max
Time	60 mins
Availability	Anytime during teaching period
Format	Workshop
Cost	No cost

Biomedical Engineering

In this workshop students will be exposed to using biomaterials for brain repair with a systems engineering approach. They will be split into teams, each with a materials selection sheet and a set of requirements relating to the chemical, biological and physical (for example) components of the problem, and have to select the appropriate material. Students will then be placed into new groups, with each student in the group representing a different system component and its requirements. They then have to reach a compromise or create an innovative solution to satisfy all requirements, reminiscent of the systems engineering process. Current research at the ANU in biomaterial tissue engineering is presented to the students, highlighting innovative strategies used to solve such a complex problem as brain repair.

College	ANU College of Engineering and Computer science
Areas of interest	Engineering, systems engineering, biomedical engineering
Location	On-campus and in school
Year group	11-12
No. of students	25
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation and workshop
Cost	No cost

Business and Economics at ANU

The workshop will introduce students to the various study options available in business and economics at ANU. For students who have a keen interest in business, this session will help them define the program that best aligns with their personal interests.

College	ANU College of Business and Economics
Areas of interest	Business, Commerce, Economics, Marketing, Maths, Accounting, Business Administration, Information Systems, Specialist Maths
Location	In school or on-campus
Year group	All students interested in business
No. of students	Not specified (flexible)
Time	30-60 mins (flexible)
Availability	Any time during teaching periods
Format	Presentation
Cost	No cost

CBE Homework Club

Host a business student for a session on how to approach assignments or homework and receive support from current university students.

Our students will also offer an account of what their university study experience is like at the College of Business and Economics, giving students a better understanding of university tutorials, lectures and assignments.

College	ANU College of Business and Economics
Areas of interest	Business, Commerce, Economics, Marketing, Maths, Accounting, Business Administration, Information Systems
Location	In school or on-campus
Year group	11 -12
No. of students	Not specified (flexible)
Time	30-60 mins (flexible)
Availability	Any time during teaching periods
Format	Presentation/discussion
Cost	No cost

CBE QandA Session

A presentation and QandA with current business and economics students to give interested students an insight into what studying at university is really like. Hear all about the experience of ANU from a student's perspective. The College can arrange a customised session, depending on schools' and students' interests.

College	ANU College of Business and Economics
Areas of interest	Business, Commerce, Economics, Marketing, Maths, Accounting, Business Administration, Information Systems, Specialist Maths
Location	In school or on-campus
Year group	11 -12 (can be tailored to year 10 students preparing for subject selection)
No. of students	Not specified (flexible)
Time	30-60 mins (flexible)
Availability	Any time during teaching periods
Format	Presentation/QandA
Cost	No cost

Chemistry of Medicines with Dr Colin Jackson

Dr Colin Jackson's research interests lie at the interface between biology, chemistry and physics and are directed towards gaining an understanding of the fundamental chemistry that underlies biological function. He is also interested in applied science and using chemical techniques to manipulate biological systems, i.e. the design of small molecules (drugs) that change the function of biological molecules. This lecture is an introduction to this field of science, for interested students.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, biology, chemistry
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

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Chemistry of Natural Systems with Dr Russell Barrow

Dr Barrow's research is focused around the chemistry that is expressed in natural systems. His research group focuses on the field of chemical ecology where they examine the nexus that exists between naturally occurring chemicals and the behaviour they produce in whole organisms; bioprospecting, where they isolate and identify biologically active natural products; and organic synthesis as it pertains to developing a greater understanding of the chemistry in the natural systems we explore. This lecture is an introduction to this field of science, for interested students.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, biology, chemistry
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Climate Variability, Vulnerability and Adaptation with Prof Janette Lindesay

Prof Lindesay's research interests are in climate variability during the period of instrumental record, and climate change science in relation to vulnerability and adaptation. Her research focuses on integrating multiple influences on low-frequency fluctuations in Australian rainfall, including the potential for deterministic and dynamical seasonal forecasting; climatological aspects of bushfires and drought in Australia; temperature and rainfall trends and extremes; and climate change adaptation.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, earth sciences, weather, biology, geography, ecosystems, climate change
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Conflict, International Security and Foreign Policy

ISIS: death cult or state?

Diplomacy: how to negotiate your way out of a hostage situation

Strategy: missile defence and nuclear weapons

Australia's foreign policy: 21st century challenges and opportunities

Is Tony Abbott becoming a dictator?

From violence in the Middle East, to global warming and its impact on human populations, there's a whole range of factors which threaten the globe. Hear from our experts on these contemporary issues by participating in our guest lecture series. Whether on campus or in your

school, choose a lecture on one of the topics listed above, or create your own! Give your students a taste of life as a diplomat, foreign correspondent, humanitarian or strategist!

College	ANU College of Asia and the Pacific
Areas of interest	Asia Pacific studies, languages (Japanese, Chinese, Korean, Indonesian, Hindi), culture, society, international relations, politics, history
Location	On-campus, in-school
Year group	10-12
No. of students	Not specified (flexible)
Time	40-60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive lecture
Cost	No cost

Discover Demography at ANU

Demography is fundamental for understanding the world around us – from our society and economy to the environment we live in. Discover this fascinating discipline with leading experts at ANU. Sessions in the School of Demography can cover the following topics:

- The drivers and consequences of demographic change
- Our life course and the importance of family, health and society
- Canberra's past, present and future—is it growing the way we expected?

College	ANU College of Arts and Social Sciences
Areas of interest	Demography, population, migration, fertility, family, mortality, health
Location	On campus
Year group	11-12
No. of students	25
Time	Flexible
Availability	Anytime during teaching period
Format	Presentations
Cost	No cost

Earth Climate Science with Dr Nerilie Abram

Dr Nerilie Abram's research goals are to build knowledge on how the Earth's climate has behaved in the past, and how its climate systems are now changing with anthropogenic greenhouse warming. Her research involves using tropical coral reef and cave samples, and polar ice cores to reconstruct past climates across a range of environments and time periods. Nerilie's scientific work has taken her to Antarctica, Indonesia and Greenland. This lecture is an introduction to this field of science, for interested students.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, earth sciences, climate change
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Engineers Without Borders: Biomedical Engineering

A discussion around engineering disciplines is used to introduce students to the expanding field of biomedical engineering, and a broad range of contemporary examples are examined. In a hands-on project, replacement heart valves are examined and students will work in teams to design, test, build and evaluate a model replacement heart valve. The types and applications of engineering in the biomedical engineering field are discussed, as too are the pathways into the industry.

College	ANU College of Engineering and Computer science
Areas of interest	Engineering, biomedical engineering, science, biology, medicine Australian National Curriculum: ACSHE194, ACSHE195, ACSHE192, ACSHE230, ACSIS199, ACSIS204, ACSIS205, ACSIS208 ACT Curriculum: ELA 3, ELA 5, ELA 19, ELA 20, ELA 23
Location	On-campus and in school
Year group	7-12
No. of students	25
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation and hands on workshop
Cost	No cost

Engineers Without Borders: Floating Houses

Floating Houses covers the nature of engineering (responding to the needs of a society), with a particular focus on civil engineering.

Students will learn about the importance of understanding context when implementing an engineering solution, particularly in humanitarian engineering. They will also gain an appreciation of the complex process of material selection, balancing cost, use and longevity through the activity.

The workshop is based on EWB's work in Tonlé Sap, where the annual floods present a major challenge in the design of dwellings. Students are presented with this information and must meet the outlined requirements for longevity and number of people their dwelling can adequately house.

After discussing the challenge and formulating a solution, the students are given a time limit in which to construct the most suitable structure. Their solutions are then tested and compared. The workshop tests their comprehension of physics and balance, as well as their ability to assess the economics of their project by maintaining a tally of the cost of the materials and their use.

College	ANU College of Engineering and Computer science
Areas of interest	Engineering, civil engineering, materials, humanitarian engineering Australian National Curriculum: ACSHE194, ACSHE195, ACSHE192, ACSHE230, ACSIS199, ACSIS204, ACSIS205, ACSIS208 ACT Curriculum: ELA 3, ELA 5, ELA 19, ELA 20, ELA 23
Location	On-campus and in school
Year group	7-12
No. of students	25
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation and hands on workshop
Cost	No cost

Engineers Without Borders: Introduction to Engineering

In this workshop students will discuss their ideas of engineering and engineers – what do they do and what skills do they need?

Historical examples are used to highlight the breadth and creativity of technology and engineering, which leads into a discussion of contemporary and cutting-edge engineering research and development.

Students will be split into teams and complete a design and build activity to investigate how engineering is undertaken.

Pathways to engineering and a snapshot of the profession are then provided.

College	ANU College of Engineering and Computer science
Areas of interest	Engineering, humanitarian engineering, foreign aid, developing communities Australian National Curriculum: ACSHE194, ACSHE195, ACSHE192, ACSHE230, ACSIS199, ACSIS204, ACSIS205, ACSIS208 ACT Curriculum: ELA 3, ELA 5, ELA 19, ELA 20, ELA 23
Location	On-campus and in school
Year group	7-12
No. of students	25
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation and hands on workshop
Cost	No cost

Engineers Without Borders: Murray-Darling Basin Workshop

The Murray-Darling Basin Workshop focuses on concepts related to equitable utilisation of natural water sources and the possible consequences of this provision of water. It aims to educate students about sustainable water use in Australia and multilateral cooperation between governments towards this goal. The workshop also provides insights into the Indigenous peoples perspective of the significance of the river system. The workshop includes a brief overview of engineering and areas in which engineering can be applied as well as an activity where groups of students interact with the river system, which is represented by a basket of ping pong balls, and get an opportunity to see the consequences of their interaction and discuss engineering solutions to those consequences.

College	ANU College of Engineering and Computer science
Areas of interest	Engineering, humanitarian engineering, sustainability, Australian water systems Australian National Curriculum: ACSHE194, ACSHE195, ACSHE192, ACSHE230, ACSIS199, ACSIS204, ACSIS205, ACSIS208 ACT Curriculum: ELA 3, ELA 5, ELA 19, ELA 20, ELA 23
Location	On-campus and in school
Year group	7-12
No. of students	25
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation and hands on workshop
Cost	No cost

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Engineers Without Borders: Prosthetic Leg

The Prosthetic Leg workshop introduces the needs of those who have lost a limb, particularly in developing communities, and the role of the biomedical engineer in meeting these needs. Students will gain an understanding of the difficulty in obtaining appropriate medical care in developing communities and how organisations like EWB are working to change this. After learning about the structure of the lower leg and the consequences of losing the limb, students are presented with the task to build their own prosthetic leg from the knee down. They will need to take into account the information they have been presented with, as well as the materials available to them. Students are encouraged to use the resources sparingly, imitating their availability in developing communities and highlighting the importance of sustainability. Teams will then demonstrate their design to the rest of the class, as well as explaining why they chose the final design. The workshop ends with a reflection on the design process.

College	ANU College of Engineering and Computer science
Areas of interest	Engineering, biomedical engineering, biology, medicine Australian National Curriculum: ACSHE194, ACSHE195, ACSHE192, ACSHE230, ACSIS199, ACSIS204, ACSIS205, ACSIS208 ACT Curriculum: ELA 3, ELA 5, ELA 19, ELA 20, ELA 23
Location	On-campus and in school
Year group	7-12
No. of students	25
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation and hands on workshop
Cost	No cost

Engineers Without Borders: Water for Life

Water For Life introduces the concept of global water accessibility and how people across the globe have different levels of access to clean water for consumption and sanitation. Students are then asked to construct a water filter using materials accessible and affordable to developing communities.

The presentation covers what engineers are, the definitions of science and technology and the role these play in meeting the needs of both developing and developed communities. There is a focus on the "three A's" of obtaining materials: accessibility, availability and affordability.

The main component of the workshop is the activity in which students construct their own water filter. Each group is given a country profile with instructions and a budget for the filter. Different groups will face different obstacles depending on the literacy rate and income of their country, which will influence their final design.

College	ANU College of Engineering and Computer science
Areas of interest	Engineering, humanitarian engineering, foreign aid, developing communities Australian National Curriculum: ACSHE194, ACSHE195, ACSHE192, ACSHE230, ACSIS199, ACSIS204, ACSIS205, ACSIS208 ACT Curriculum: ELA 3, ELA 5, ELA 19, ELA 20, ELA 23
Location	On-campus and in school
Year group	7-12
No. of students	25
Time	60-90 mins
Availability	Any time during teaching periods
Format	Interactive presentation and hands on workshop
Cost	No cost

English Literature: Austen past and present

Why study English literature when you can just read it in your spare time? Can studying English give you the extra edge in life: at the job interview, in the meeting, or at the café? Make up your own mind when you experience a foretaste of university level literary studies by choosing a session on one of the texts studied at school.

College	ANU College of Arts and Social Sciences
Areas of interest	English literature
Location	On campus or in school
Year group	11 and 12
No. of students	36 on campus, in-school numbers dependent upon computer access
Time	30-60 mins (flexible)
Availability	Any time during teaching period
Format	Interactive lecture
Cost	No cost

English Literature: Can a single word be a poem

Why study English literature when you can just read it in your spare time? Can studying English give you the extra edge in life: at the job interview, in the meeting, or at the café? Make up your own mind when you experience a foretaste of university level literary studies by choosing a session on one of the texts studied at school.

College	ANU College of Arts and Social Sciences
Areas of interest	English literature
Location	On campus or in school
Year group	11 and 12
No. of students	36 on campus, in-school numbers dependent upon computer access
Time	30-60 mins (flexible)
Availability	Any time during teaching period
Format	Interactive lecture
Cost	No cost

English Literature: Reading Ned Kelly

Why study English literature when you can just read it in your spare time? Can studying English give you the extra edge in life: at the job interview, in the meeting, or at the café? Make up your own mind when you experience a foretaste of university level literary studies by choosing a session on one of the texts studied at school.

College	ANU College of Arts and Social Sciences
Areas of interest	English literature
Location	On campus or in school
Year group	11 and 12
No. of students	36 on campus, in-school numbers dependent upon computer access
Time	30-60 mins (flexible)
Availability	Any time during teaching period
Format	Interactive lecture
Cost	No cost

English literature: Shakespeare and the Globe: Reading Shakespeare with a theatrical imagination

Why study English literature when you can just read it in your spare time? Can studying English give you the extra edge in life: at the job interview, in the meeting, or at the café? Make up your own mind when you experience a foretaste of university level literary studies by choosing a session on one of the texts studied at school.

College	ANU College of Arts and Social Sciences
Areas of interest	English literature
Location	On campus or in school
Year group	11 and 12
No. of students	36 on campus, in-school numbers dependent upon computer access
Time	30-60 mins (flexible)
Availability	Any time during teaching period
Format	Interactive lecture
Cost	No cost

Explore STEM at ANU

The ANU Joint Colleges of Science and the ANU College of Engineering and Computer Science have come together to create a day of workshops, labs and lectures for year 10 students in the ACT, allowing them to explore the areas of Science, Technology, Engineering and Mathematics (STEM) that ANU offers. Bookings are essential.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences ANU College of Engineering and Computer Science
Areas of interest	Science, Engineering, Computer Science and Mathematics
Location	On-campus
Year group	10
No. of students	100
Time	Full day
Availability	15 September, 2015
Format	Full day program inclusive of: Lectures, workshops, interactive presentations, hands-on activities, tours
Cost	No cost

From Little things Big Things Grow with Dr Ruth Arkell

Each and every one of you began life as just one cell; smaller than the head of a pin. Over a period of just a few weeks, that cell multiplied many times and the many cells became many types of cells all positioned in just the right place to make a small, but fully formed, human being. Since then, all you've done is grow. But that's not the amazing bit. The really mind-blowing thing is that all of this happened independently. Once sperm met egg it set in place a cascade of self-regulating and proof-reading events to ensure that, by and large, you are pretty much like all the other human beings on this planet. It's already happened that way at least seven billion times and it continues to happen every day. How does this occur? What is the sequence of observable events from egg to embryo to organism? How does the genetic code in that single cell drive the cell behaviours that make a human being? What makes the system robust enough to build the same organism time and time again?

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, biology, genetics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Genetics and the Social Behaviours of Spiders with Assoc Prof David Rowell

Associate Professor David Rowell undertakes research work on population genetics as well as chromosomal evolution and social behaviour in terrestrial invertebrates (spiders!). He is also a lecturer in genetics for the ANU Research School of Biology. This exciting presentation will introduce your class to the processes of scientific fieldwork, Assoc Prof Rowell's research and the creepy world of spiders!

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, biology, ecosystems, evolution, genetics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

WORKSHOPS

History at ANU

The ANU is ranked first in Australia and ninth in the world for history. Areas of interest in at the ANU School of History include Australia, the United States and Europe. Sessions in the School of History can cover the following topics:

- European Explorers in the Pacific: Science, Politics and Fantasy – Alex Cook
- The Hidden History of Canberra – Nicholas Brown
- The Eighties – the decade that changed Australia – Frank Bongiorno

As Manning Clark, who founded History at the ANU, would say: come and join the great conversation.

College	ANU College of Arts and Social Sciences
Areas of interest	History
Location	On campus
Year group	9-12
No. of students	25
Time	Flexible
Availability	Mondays or Fridays during teaching period
Format	Presentations
Cost	No cost

History of Rock/Pop: Introduction

Trace the evolution of rock and pop music in its diverse forms and varied practice, from the influence of rhythm and blues on the development of rock and roll in the 1950s, through the emergence of a distinct rock idiom in the 1960s, through to more recent developments of the style in the new millennium.

College	ANU College of Arts and Social Sciences
Areas of interest	Music - Rock/Pop
Location	On campus. School of Music, 100 Childers Street, ANU Campus
Year group	11-12
No. of students	20
Time	45 min
Availability	During teaching time only. Late afternoon/after school
Format	Presentation
Cost	No cost

Knots and Shapes in Mathematics with Dr Scott Morrison

Dr Morrison studies mathematical gadgets called ‘fusion categories’ and ‘topological field theories’. Mathematicians began studying them for fairly abstract reasons—they’re useful in understanding the different ways strings can form into knots, and the different shapes 2- and 3-dimensional objects can have. Later, mathematicians have realised they’re also related to physics and computing! This lecture is an introduction to this field of mathematics, for interested students.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, theoretical mathematics, applied mathematics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Learn to write your name in Arabic or Persian

Arabic is the mother language of over 250 million people in the Middle East (West Asia and North Africa), and one of the six official languages of the United Nations. It was the language of an ancient civilization, which contributed greatly to human knowledge. Arabic is also the living medium of a contemporary dynamic literature and culture. Its rich and magnificent poetry, classical and modern, is especially captivating.

Persian (otherwise known as Farsi) is spoken today primarily in Iran, Afghanistan and Tajikistan and was once widely understood from the Mediterranean to India, and has a rich historical and cultural legacy.

In this interactive calligraphy workshop, students will learn to write their name in Persian or Arabic.

College	ANU College of Arts and Social Sciences
Areas of interest	Arabic, Persian
Location	On campus
Year group	9-12
No. of students	15-20 max
Time	Flexible
Availability	2016
Format	Interactive workshop
Cost	No cost

Looking at Past Skies: Dark Matter and Galactic Archaeology with Prof Kenneth Freeman

Research into dark matter in galaxies and Galactic Archaeology was awarded the Prime Minister's Science Prize in 2012. Come and discover the techniques used and explore the outcomes from this new and exciting research, and learn what happened when our Galaxy formed a very long time ago. The formation and evolution of galaxies is one of the great outstanding problems of modern astrophysics. A new field of astronomy, Galactic Archaeology, tries to reconstruct galaxies, describing their formation and evolution over time. Galaxies were assembled long ago from the expanding universe. We can think of them as ancient fossils from more than ten billion years ago. Some of the stars that were born so long ago are still shining, and we can use new instruments on large telescopes to measure their chemical properties and learn about conditions at the time when they were born. Another area that can help us understanding the formation and evolution of galaxies is dark matter, which was discovered around 1970, when it became possible to measure the rotation of galaxies with radio telescopes. We could see even then that galaxies are rotating much faster than we would expect from the gravity of their stars: there had to be invisible matter which produces the extra gravity. Now we know that only about 3% of the mass of a typical galaxy is in the form of ordinary matter (stars and gas). But what is the remaining 97%? We still do not know what it is. In this presentation you will learn more about this puzzling situation.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, astronomy, physics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Marine Biology with Dr Chris Fulton

Chris works across aquatic ecosystems, from coral reefs, to kelp forests and freshwater streams. Chris tries to understand how and why we get certain collections of species in a given habitat, and what may happen if that environment changes (e.g. through storms, climate change, water extraction, urbanisation, etc). Consequently, much of his work involves understanding how the behaviour of people affects aquatic species and their habitats. It also helps us identify which species have highly specialised habitat needs, and so most likely to be affected when their environmental changes (e.g. reduced flows, warming waters). Chris Fulton hails from the Hunter Valley in New South Wales. He studied the biology and ecology of coral reef fishes and seaweeds at James Cook University before taking up his current lectureship at the Australian National University in Canberra. Chris can talk about a diverse range of topics from the basics of marine biology to topical issues such as the effects of dredging on coral reefs and the evidence for how marine parks work.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, biology, marine biology, ecosystems, conservation, human behaviour, evolution
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Masculinity and Men's Magazines

Ideals of masculinity have undergone quite dramatic changes over the past couple of decades, with researchers developing new concepts to understand the different ways of being a man in the 21st century. This workshop begins with a brief presentation on masculinity studies, followed by an interactive activity focused on analysing men's lifestyle magazines such as *Men's Health* and *Smith Journal*.

College	ANU College of Arts and Social Sciences
Areas of interest	Sociology, gender
Location	On campus
Year group	11-12
No. of students	20 max
Time	90 mins
Availability	Fridays
Format	Brief presentation followed by interactive activity
Cost	No cost

Mathematics with Dr Joan Licata

Geometric topology is a branch of math which allows objects to stretch and bend, but not be cut or glued. For example, you can deform a "D" to look like an "O", so topologists treat them as the same object, but you can't turn either of these into an "8" without using glue. Joan works with knots, which she can model as loops of string that move around inside three-dimensional spaces. She uses numbers, polynomials, and other algebraic objects to decide which knots are the "same" and which are different. This topic has applications in other branches of mathematics, in studying DNA, and in physics: one theory describes the shape of the universe using knots! Joan can talk to your students about a range of mathematical topics to suit your class.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, theoretical mathematics, applied mathematics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

WORKSHOPS

Molecular Parasitology of Malaria with Dr Alex Maier

Dr Alex Maier is passionate about his research on molecular parasitology, in which he investigates red blood cell modifications induced by the malaria parasite *Plasmodium falciparum*. This lecture is an introduction to the world of parasitology, for interested students.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, parasitology, biology
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Music Contemporary Improvisation

Humans improvise every day and music students have nothing to fear when it comes to learning how to improvise. Learn how to improvise using the tools that you already know! Open to all instruments including vocals.

College	ANU College of Arts and Social Sciences
Areas of interest	Music Contemporary Improvisation
Location	On campus, School of Music, 100 Childers Street, ANU Campus
Year group	11-12
No. of students	Any number
Time	60 minutes (flexible)
Availability	Any time during teaching periods
Format	Presentation
Cost	No cost

Music Engagement Program

The MEP offers training to teachers and students using its innovative Music Outreach Principle, which encourages the sharing of music, especially through singing, within and beyond the school. Many schools in Canberra use the MEP approach already. The MEP is offering sessions for existing school partners and those wishing to learn more about the approach. Workshops are tailored for each environment and there are a range of activities to suit age groups from pre-school to Year 10. Specific provision can also be made for interested College groups.

College	ANU College of Arts and Social Sciences
Areas of interest	Music
Location	In school
Year group	Pre-school to Year 10; special arrangements for College as required.
No. of students	10-300
Time	As suits site
Availability	Various times during school day
Format	Workshop for groups of students and teacher on MEP outreach singing model
Cost	No cost

Origins of Life in the Primordial Soup with Assoc Prof Rowena Ball

Have you ever wondered how life actually began? Dr Rowena Ball explains how life might have arisen from non-living precursors on the ancient earth. More than 3.6 billion years ago there were no living cells on earth, but scientists believe that biomolecules called RNA existed, before the evolution of DNA, proteins, and cell membranes. In this scenario, known as the 'RNA World', cell-free communities of RNA replicated and evolved in rock pores around hydrothermal vents deep in the ocean. But in this environment successful RNA replication requires regular heating and cooling, or thermal cycling. This fact seems to have been completely overlooked in most studies on the origin of life. What could have provided this thermal cycling? In recently published research Dr Rowena Ball and her collaborator proposed that hydrogen peroxide could be the missing piece of the puzzle. Hydrogen peroxide is thought to have been naturally abundant on the ancient earth, but these days it is manufactured and used as the active ingredient of hair bleach. Computer modelling showed that chemical reactions of hydrogen peroxide set up exactly the right temperature cycling that allows RNA to replicate. And there's more: the bleach causes RNA to replicate imperfectly, creating variation among the molecules and allowing natural selection and evolution to take place. Hydrogen peroxide is known also to occur abundantly on Jupiter's moon Europa, and is believed to have occurred formerly on Mars, which suggests that these planetary bodies may have evolved their own RNA worlds! The results also may answer the (previously unanswerable) question of why new life does not emerge from non-living precursors on the modern earth: Quite simply there are no longer the amounts of hydrogen peroxide around that were there in the good old days! Dr Rowena Ball will describe this research and how it came about, explain the results, and the implications for the future synthesis of life in the lab.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, evolution, biology, genetics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Passport to the Asia Pacific: Understanding the World in the Asia Pacific Century

- Who or what will dominate the Asia Pacific century?
- K-pop, J-pop, Bollywood and beyond
- Witchcraft and sorcery in the Pacific
- Language fails: the do's and don'ts of Japanese

Equip your students with the knowledge and skills to become global citizens in the Asia Pacific century. Get involved in our guest lecture series and hear from regional experts on the hottest issues facing the region. Whether on campus or in your school, choose a lecture on one of the topics listed above or create your own!

College	ANU College of Asia and the Pacific
Areas of interest	Asia Pacific studies, languages (Japanese, Chinese, Korean, Indonesian, Hindi), culture, society, international relations, politics, history
Location	On-campus, in-school
Year group	10-12
No. of students	Not specified (flexible)
Time	40-60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive lecture
Cost	No cost

Planetary Geochemistry with Dr Penny King

Dr Penny King has worked with NASA to conduct research utilising the 'Curiosity' rover on Mars. Her research examines surface and interior processes on planetary bodies. Her research attempts to understand the fundamental geochemical aspects of astromaterials under different conditions. Knowing how materials behave under different conditions allows us to predict planetary environments (in the past and future) and to make better tools to explore our solar system.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, chemistry, geography, evolution, biology, physics and astronomy
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Philosophy at ANU

Philosophy was a foundation discipline in the Research School of Social Sciences (RSSS) when ANU was created in the 1940s. We are ranked 19th in the world and number 1 in Australia (QS World University Rankings by Subject 2015). Why study Philosophy? Because it addresses fundamental questions of human existence.

Our particular strengths lie in philosophy of mind, philosophy of science, moral and political philosophy and European philosophy. Sessions in the School of Philosophy can cover the following topics:

- Critical Thinking
- Theory of Knowledge
- Game of Thrones: Ethics of online piracy

College	ANU College of Arts and Social Sciences
Areas of interest	Philosophy
Location	On campus
Year group	9-12
No. of students	25
Time	Flexible
Availability	Mondays or Fridays during teaching period
Format	Presentations
Cost	No cost

Politics and International Relations at ANU

Politics and International Relations at ANU is ranked 1 in Australia and 7th in the world. Hear from key experts in the field of Politics and International Relations about a key topic of global concern. Classes can be delivered on a case-by-case basis and tailored for the needs of the group.

College	ANU College of Arts and Social Sciences
Areas of interest	Politics, International Relations
Location	On campus
Year group	9-12
No. of students	20 max
Time	Flexible
Availability	Flexible
Format	Masterclass
Cost	No cost

WORKSHOPS

Psychology and Mental Health of Young People with Dr Lou Farrer

Dr Lou Farrer is a postdoctoral research fellow and registered psychologist. She is currently working on a project with the Young and Well Collaborative Research Centre which aims to build and evaluate an online virtual clinic that meets the mental health needs of young people effectively and safely, through the provision of treatment tools, support and resources for depression, anxiety, and other mental health problems.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, psychology, health, biology
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Physics with Prof John Close

Prof Close has many areas of expertise, including: plant physiology; atomic and molecular physics; degenerate quantum gases and atom optics, synchrotrons, accelerators, instruments and techniques; classical and physical optics; plasma physics, fusion plasmas, electrical discharges; quantum optics; lasers and quantum electronics. He will introduce your class to an area of interest, tailored to the needs and curriculum of the class in conjunction with you.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, physics – see above
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

Pro Tools/Music Technology: Introduction

Ever wanted to mix and play with sounds and music? We will introduce you to Pro Tools, an industry standard piece of software, allowing you to compose, record, edit, and mix high-quality music or sound.

College	ANU College of Arts and Social Sciences
Areas of interest	Music Technology
Location	On campus. School of Music, 100 Childers Street, ANU Campus
Year group	11-12
No. of students	20
Time	45 minutes
Availability	During teaching time only. Late afternoon/after school
Format	Presentation
Cost	No cost

Robotics

This workshop is run by the ANU chapter of Robogals – a student-run organisation that aims to increase student participation in engineering, science and technology through fun and educational initiatives.

Students in the workshop will be introduced to NXT robots and their components before commencing a programming tutorial. The tutorial will touch in programming language, problem solving and programming concepts. Students will work in groups of two or three to program their robot to successfully complete an obstacle course. Other challenges are available if time permits. Engineering and computing disciplines are also discussed as Robogals volunteers present various projects from their study at ANU.

College	ANU College of Engineering and Computer science
Areas of interest	Robotics, coding, engineering, computing
Location	On-campus and in school
Year group	7-12
No. of students	20 per workshop (multiple workshops run simultaneously can be organised)
Time	90-180 mins
Availability	Any time during teaching periods
Format	Interactive presentation and workshop
Cost	No cost

Read My Mind: A User's Guide to the Brain with Assoc Prof Kristen Pammer

The brain is the most complex and least understood biological system on the planet, and the next big challenge for science is to understand the relationship between the brain and human behaviour. In the past scientists used to simply cut up the brain to see what would happen. Then they turned to understanding what happened to people when their brains were damaged. Brain imaging came later and told us how the brain works in normal people and more recent imaging is even able to change brain function. However, with this developing technology comes ethical consideration. What will it mean for humanity if we can read minds? Will we know if someone is lying? Will a psychopath be responsible for their behaviour if part of the brain is dysfunctional? If we can map the brain, have we also mapped the mind? Or are mind and brain different? This user's guide to the brain will discuss these issues and the questions they raise.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, human biology, human behaviour, psychology, ethics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

School of Art Graduating Exhibition 2015

The exhibition showcases the work of graduating students. The culmination of years of study in art practice, as well as art history and art theory, the work represents the successful resolution of thought processes, skills and making, working in and across disciplines. From these disciplines - Ceramics, Furniture, Glass, Gold and Silversmithing, Painting, Photography and Media Arts, Printmedia and Drawing, Sculpture and Textiles, students graduate with a major in one studio discipline.

College	ANU College of Arts and Social Sciences
Areas of interest	Art
Location	On campus
Year group	11-12
No. of students	15 max
Time	Flexible
Availability	Nov 27 – Dec 6, 2015.
Format	Gallery visit
Cost	No cost

Science Activities on Campus

The ANU Joint Colleges of Science run a variety of fun and engaging science activities on campus for students. Some of the activities include chemistry laboratories, physics workshops, academic lectures, and tours of the science precinct and the Mount Stromlo Observatory. Advanced bookings are essential. Please allow at least one month for booking, subject to availability. For enquiries please contact science@anu.edu.au or call 02 6125 7240.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, mathematics
Location	On-campus
Year group	10-12
No. of students	25-80
Time	1-3 hours
Availability	Any time during teaching periods, subject to availability of academics and room bookings in the area/s of interest
Format	Can be tailored to your class interests. Activities may include lectures, laboratory experiments, interactive presentations, hands-on activities, tours
Cost	No cost

The Drugs Don't Work with Assoc Prof Richard Callaghan

Many diseases including cancer, malaria, parasitic and bacterial infections are managed through the use of drug therapy. Unfortunately the effectiveness of drug therapy is frequently severely limited in the clinic. In some cases the drugs provide an initial benefit but over time their effectiveness diminishes. Alternatively, a patient can display no response at all to the drug therapy. These two scenarios result from the emergence of drug resistance. The resistance arises from the ability of cells, bacteria and parasites to evolve and adapt to the damage caused by the drug treatment. In fact, the cells or organisms can develop a number of strategies to combat drug effectiveness. One of the most widely used defence mechanisms involves the use of drug pumps. These cellular pumps specifically prevent drugs entering cancer cells, parasites and bacteria. Consequently, the drugs are no longer able to kill the target cells. Our research effort aims to describe (i) how this pump works, (ii) how it recognises so many therapeutic drugs and (iii) devise strategies to combat its unwanted actions.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, evolution, biology, genetics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

The Mathematics of Fractal Geometry with Prof Michael Barnsley

Professor Michael Barnsley works in the area of fractal geometry. This concerns shapes that have complicated detail that is repeated at many scales of magnification. It is used to model natural forms related to growth, such as trees and shells, and has many applications, including image processing and antenna design. This lecture is an introduction to this field of mathematics, for interested students.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, theoretical mathematics, applied mathematics
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

WORKSHOPS

Tours of the ANU Classics Museum

Visitors to the Classics Museum at ANU gain a taste of everyday life in the ancient world. The collection spans the Mediterranean and beyond. It features examples of ancient art and objects of daily life from Greece and the Roman world, including Egypt and the Near East.

College	ANU College of Arts and Social Sciences
Areas of interest	History, ancient languages, art
Location	On campus
Year group	9-12
No. of students	15 (maximum)
Time	30-60 mins
Availability	Second Friday of each month
Format	Tour
Cost	No cost

Tours of the ANU School of Music

Celebrating its 50th year the ANU School of Music has a proud and rich history. Tour through the facilities, including the impressive Llewellyn Hall, which regularly features operas and concerts by staff and students in the ANU School of Music.

College	ANU College of Arts and Social Sciences
Areas of interest	Music
Location	On campus. School of Music, 100 Childers Street, ANU Campus
Year group	9-12
No. of students	20 per group
Time	30-60 min
Availability	Any time during teaching periods
Format	Tour
Cost	No cost

What can life of Earth tell us about life in the Universe? With Aditya Chopra

Have you ever wondered about the habitability of other planets? Aditya Chopra answers this question by looking at the requirements and limits for life of earth. His research examines the elemental abundances in different life forms and their environments to gain insight into the origin and evolution of life, which may help to look for life in the universe. Aditya Chopra is currently undertaking a PhD research at the Planetary Science Institute (at the Australian National University). He obtained an undergraduate degree in chemistry from the University of Western Australia in 2007 and in 2008 graduated with 1st class Honours in astronomy at ANU. If desired a lesson plan to cover topics in chemistry, biology, physics and astronomy can be discussed prior to the session.

College	ANU College of Medicine, Biology and Environment ANU College of Physical and Mathematical Sciences
Areas of interest	Science, evolution, chemistry, biology, physics and astronomy
Location	On-campus, online and in school
Year group	10-12
No. of students	Not specified (flexible)
Time	60 mins (flexible)
Availability	Any time during teaching periods
Format	Interactive presentation
Cost	No cost

What is Actuarial Studies?

Being an actuary has been rated the Number 1 career according to CareerCast.com. ANU has created a Massive Open Online Course (MOOC) providing an introduction to this profession, and can offer workshops to be run in conjunction with the MOOC. This workshop will introduce students to the concept of actuarial studies, what it takes to become an actuary and the career opportunities it can provide.

College	ANU College of Business and Economics
Areas of interest	Actuarial Studies, Specialist Maths
Location	In school or on-campus
Year group	11-12 Specialist Maths students
No. of students	Not specified (flexible)
Time	30-60 mins (flexible)
Availability	Any time during teaching periods
Format	Presentation/hands-on activity
Cost	No cost

Why study a Bachelor of Arts at ANU?

Explore almost 50 majors and 80 minors in our ANU Bachelor of Arts (BA) degree. The BA is one of the most flexible degrees, with varied subjects to choose from – ranging from History to Criminology, or a language – a veritable smorgasbord of options to complement varied interests. Every one of our students is studying their own unique program. Find out why this is one of the most popular degrees at ANU.

College	ANU College of Arts and Social Sciences
Areas of interest	Arts & Social Sciences
Location	On campus
Year group	9-12
No. of students	25
Time	Flexible
Availability	Anytime
Format	Presentation
Cost	No cost

CONTACT US

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