Tuesday 13th January

8:45am  Registration – University Centre foyer

9:00am  Welcome & Introduction – Social Sciences 209

9:30am  Chemistry – Brendon Schollum, Jeremy Just, Reyne Pullen

Grab a lab coat and synthesise some acetylsalicylic acid (aspirin) and 2,2’-bis(2,3-dihydro-3-oxindolyliden) (indigo) in the laboratory. Test the purity of the aspirin and use your indigo in a colourful reaction before making some lovely slime polymers!

12:30pm  Lunch break

1:30pm  Earth Sciences – Dr Sebastien Meffre

Find out how to determine the ages of rocks using both palaeontology and a laser ablation mass spectrometer. Use petrological microscopes to look at the micro-textures of a variety of important Tasmanian rocks.

3:00pm  Faculty of Science, Engineering & Technology Award – Social Sciences 109

3:30pm  Robotics at University of Tasmania – Assoc. Prof Byeong Kang

The University of Tasmania has a strong interest in Robotics and Artificial Intelligence. Researchers in Computing and Information Systems, the Australian Maritime College and in Engineering (mechatronics) are involved in robotics in various ways. Teams of University students have competed in (and won!) national and international Robotics competitions building autonomous (self-directing) machines such as submarines, cars, and other robots. January marks the beginning of the FIRST Robotics Competition, where high school students team up with University mentors to build a large robot. Find out more about the competition and get involved yourself!

4:30pm  Finish at University Centre

Wednesday 14th January

8:50am  Meet & sign-in – Science Building foyer

9:00am  Zoology – Dr Ashley Edwards

Zoology is the branch of biology that studies animals, including their structure, function, growth, origin, evolution, and distribution. Imagine you were out bushwalking and stumbled across an unknown skull – could it belong to the extinct Tasmanian Thylacine or a humble domestic dog? How could you tell and why should you care? Visiting the School of Biological Sciences, you’ll learn how to identify and distinguish skulls of Tasmania’s mammal fauna.
Wednesday 14th January (continued)

10:30am  morning tea (be on the bus ready to go at 11:00am)

11:30am  **UTAS Radio Telescope & Grote Reber Museum**

Discover the amazing world of radio astronomy and see an impressive 26m radio telescope donated to UTAS by NASA. Find out why radiotelescopes are important and explore the solar system through amazing 3D virtual reality shows. See how the two disciplines of maths and physics combine in the study of the stars - and beyond...

1:00pm  picnic lunch at Radio Telescope (bus leaves at 1:30pm)

2:00pm  **Medical Sciences Precinct**

See the facilities at the Hobart Clinical School next to the Royal Hobart Hospital, including the Pathology Museum with its range of preserved specimens and find out more about careers in the health sciences. We will also visit the nearby Medical Sciences Precinct to learn about research into Devil Facial Tumour Disease with Professor Greg Woods from the Menzies Research Institute.

4:00pm  Board bus to return to UTAS

Thursday 15th January

8:50am  Meet & sign-in – University Centre

9:00am  **Plant Science** – Dr Greg Jordan

Botanical forensics – is your honey what its label says it is? Compare different honey samples in the lab, look for the clues and find out where your honey actually came from.

10:30am  Morning tea

11:00am  **Agricultural Science** – Dr Al Gracie and Dr Joanna Jones

In Australia, agricultural scientists can be found working from WA to NSW, and NT to Antarctica. They research new products, study food safety, advise industry and farmers, as well as solving environmental problems. You'll be involved in hands-on activities in our laboratories, experiencing the science that relates to agriculture. The demand for Ag Science graduates is huge - and growing. We train tomorrow's viticulturalists, microbiologists, animal nutritionists, overseas development workers, plant breeders, soil scientists, forensic entomologists, sustainability resource managers... and more!

12:30pm  Lunch break

1:00pm  **Engineering** – Sarah Lyden

Do you know how many different kinds of engineering there are? What do they all do? Take part in an engineering challenge that will have you thinking outside the square, solving problems in a fun way that you never thought possible.

3:15pm  **Closing Session** – Chemistry Lecture Theatre 1

4:30pm  Finish