Camden Open Day is a full day program especially designed for high school students in years 9-10 interested in the environment, agriculture, science and veterinary science.

Explore the fascinating world of agriculture, environment, science and veterinary science at the University of Sydney’s Camden Open Day. Do hands-on workshops, hear captivating talks and meet scientists conducting cutting edge research, plus be entertained by amazing science with a talk by Dr Karl Kruszelnicki!

Camden Open Day is a must-do science experience that allows students to see research in action in the areas of agriculture, environment, science and veterinary science.

The day starts with a welcome and Dr Karl Kruszelnicki’s funny fact-filled talk, then students have the opportunity to attend three workshops to really experience the latest in these natural science areas. The day finishes with an exciting talk by Associate Professor Kendra Kerrisk, FutureDairy Project Leader and Principal Research Fellow in the Faculty of Veterinary Science. Kendra has a strong interest in the dairy farming industry, and is conducting extensive research into automatic milking systems.

Camden Open Day is a full day of amazing agriculture, vibrant veterinary science and scintillating science!

Program

<table>
<thead>
<tr>
<th>Start</th>
<th>End</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>9.30am</td>
<td>9.55am</td>
<td>Arrival and registration</td>
</tr>
<tr>
<td>10am</td>
<td>11am</td>
<td>Dr Karl</td>
</tr>
<tr>
<td>11.10am</td>
<td>11.40am</td>
<td>Activity A</td>
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<tr>
<td>11.50am</td>
<td>12.20pm</td>
<td>Activity B</td>
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<tr>
<td>12.25pm</td>
<td>1.10pm</td>
<td>Lunch</td>
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<tr>
<td>1.20pm</td>
<td>1.50pm</td>
<td>Activity C</td>
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<tr>
<td>2pm</td>
<td>2.20pm</td>
<td>Closing lecture by Kendra Kerrisk</td>
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<tr>
<td>2.25pm</td>
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<td>Students depart</td>
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</tbody>
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Cost and registration

$15 (inc. GST) per student

Please see registration page for terms and conditions.

How do I register?

Please register online at sydney.edu.au/science/outreach/high-school/camden-open-day

For more information

School Programs Coordinator
Outreach and Engagement, Division of Natural Sciences
T +61 2 9114 0825 | F +61 2 9351 7707 | E science.alliance@sydney.edu.au
sydney.edu.au/science/outreach
Activities

**Avian, Reptile and Exotic Pet Hospital Tour**
Students will get a chance to see the facilities used when caring for wildlife and all sorts of unusual and exotic pets. Students will walk through the wet dens used for birds of prey as well as Australian native wildlife. Cyril, the resident shingleback lizard, will greet the students as they get a chance to look at any of the weird and wonderful creatures in the hospital that day.

**Calf Health, Production and Welfare**
During this workshop, students will interact with dairy calves to learn how to identify and assess normal and pain behaviours by observing posture, gait, feeding and social interaction. This activity will help students understand the importance of behaviour as a tool for measuring welfare and productivity.

**Chocolate Workshop**
The world may be headed towards a chocolate crisis as the demand for this luxury good increases. Find out how researchers at the University of Sydney are helping to combat the crisis; and participate in a sensory evaluation to understand the intricacies of chocolate – describe its characteristics and more importantly, the taste!

**Emerging Technologies in Agriculture**
This workshop will take students through a rotation of emerging technologies used in agriculture. Students will witness a demonstration of drones, infrared thermography and GPS in animal agriculture. Students will then learn how scientists measure the exchange of carbon and water in plants, and how both can be traced through ecosystems using stable isotopes in an interactive exercise.

**Fin-tastic Exploration**
Students will learn about the unique biological features and adaptations that make a fish a fish. We will explore how the different adaptations allow for fish to live in diverse environments from the high arctic to warm tropical reefs and to identify which adaptations are best for fish farming.

**Natural Fibres for Fashion**
Students will engage with a hands on display of two main agriculture fibres, cotton and wool. After learning about the fibres, students will be quizzed on identifying fibres.

**Clicker Training**
Students will learn about animal behaviour and positive reinforcement training as they teach each other how to perform activities without using words or actions common to human interaction. A “clicker” is used as a reward method for tasks performed correctly.

**University Veterinary Teaching Hospital Clinic Tour**
Join our ‘behind the scenes’ tour of the Veterinary Teaching Hospital. Students will view a Nuclear Scintigraphy, MRI and a high speed treadmill for horses.

**Finger on the Pulse**
It’s the International Year of Pulses, so we’ll get our fingers on the pulse with hands-on activities to learn more about these protein-packed parcels of power and how we use them. Investigate how pulses respond to different nutrient regimes; how they can help mitigate climate change; and discover some of the latest research from the University of Sydney in getting the best out of our pulses.

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