School holiday Workshops at ECU –

Visit the ECU website - **https://www.ecu.edu.au/schools/science/events-and-activities**

For more info contact – sscievents@ecu.edu.au

Week one

4th July – Tuesday – Micro: bits and Bots – Car Rally https://www.trybooking.com/CIJZO
ECU's School of Science is proud to offer this workshop for high school-aged students interested in learning more about computing and security. Join us for a day of coding in python using micro: bits to move a smart robot car around a course. The day will start with learning the basics of Python, coding the car kit to light up and move as well as using the sensors to make it turn. Extension – Network Security and Bluetooth

5th July – Wednesday – Web Development – https://www.trybooking.com/CIOCO
ECU's School of Science is proud to offer this workshop for High School aged students interested in learning more about computing and security. Join us and learn how to build your own website using HTML, CSS, and JavaScript. The day will start with exploring ChatGPT before moving onto learning how to code, moving to calculations and structures finishing off with your own Website - better than ChaptGPT.

6th July – Thursday – Arduino – breadboarding and C++ -
https://www.trybooking.com/CIOBM
ECU's School of Science: Computing and Security invite high school students to join us for a day of coding Arduino and attaching lights, motors, and buzzers. The day will start with learning the basics of C++, the Arduino, and Electronics, followed by looking at the various projects and working through them.

7th July – Friday – Micro: bits game creation Python coding –
https://www.trybooking.com/CIVXA
ECU's School of Science is proud to offer this workshop for high school-aged students/teachers interested in learning more about computing and security. Join us for a day of coding in Python using micro: bits to create press-button games with LEDs, Bluetooth, compasses, and accelerometers. The day will start with learning the basics of Python to program Micro: bits.

Week Two

10th July – Monday – Learn to Linux – https://www.trybooking.com/CIKDY
ECU's School of Science is proud to offer this workshop for high school-aged students/teachers interested in learning more about computing and security. Suitable for students with some knowledge of coding. Linux is a popular alternative operating system often used in cybersecurity. Learn to Linux is a hands-on workshop where participants are introduced to different Linux operating systems including Ubuntu. The second half of the day will be focussing on the use of command lines. Feel free to bring your own laptops or use our desktops. Please have TryHackMe, freecodecamp, codeacademy and Over The Wire accounts.

10th July – Monday – Information Security – Minecraft - https://www.trybooking.com/CITBL
ECU's School of Science and Microsoft is proud to offer this Minecraft workshop for high school-aged students' years 7- 9 who are interested in learning more about computing and security. Using Microsoft's Cyber Security Minecraft world, students will develop their own WA version of a Minecraft world whilst at the same time learning about cyber security, personal security, and information security. BYO Device or use our desktops for the half day.
In conjunction with Microsoft Steven Payne ECU cyber student Alex Kirwan, will present this workshop taking you through cyber security skills and concepts, before creating a new WA world, whilst completing cyber security challenges. The workshop will finish with capturing flags. You are welcome to bring your own laptops. For more information about Minecraft Education contact Steven Payne - https://standouteducation.com.au

11th July – Tuesday – Cyber Security Fundamentals - https://www.trybooking.com/CIOEV
ECU's School of Science: Computing and Security invite high school students and educators to join us for a day of Cyber Security. This workshop is for high school students and/or teachers new to cybersecurity who would like to know more about the practical aspects. Join us as we explore free online tools, some easy-to-do challenges, and career opportunities.

12th July – Wednesday – Secrets and Spies – Security and Intelligence -
https://www.trybooking.com/CIOBI
ECU's School of Science is proud to offer this workshop for high school-aged students/teachers interested in learning more about computing and security. Join us for a day of digital forensic investigations, image analysis, and scrutinising information for reliability and authenticity at our Security and Intelligence workshop. Develop your skills for intelligence whilst learning about some of the free open-source tools to find real information. Be challenged!

13th July – Thursday – Cyber Security, Challenges and Capturing Flags –
https://www.trybooking.com/CIODO
ECU's School of Science: Computing and Security invite high school students and educators to join us for a day of Cyber Security. Learn how to use VM's Kali Linux and some basic cyber tools. You will need to bring your own device with Kali Linux pre-installed - It can't be done at ECU on the day. Please have accounts with TryHack.Me Over, Vulnhub, Hack the Box, w3Challenges, Over The Wire - War Games*.*