RE-GEN Z SCIENCE

National Science Week

11-15 August 2025

Register here

Re-Gen Z Science, as part of the National Science Week Celebrations, is a week of activities designed to inspire the next generation of world-changing scientists. With a focus on sustainability in the Hawkesbury, the week will feature interactive sessions, expert-led discussions, and demonstrations on water management, soil care, plant pollination, ecosystem restoration and regenerative agriculture. These sessions will provide an opportunity to engage with experts and digital tools, like Geographic Information Systems (GIS) and Artificial Intelligence (AI), to address some of the most pressing science issues of our time and the solutions we are developing to address them.

EVENT CALENDAR

Water Management- Mon 11 Aug (10:00 am - 2:30 pm)

Demonstration Farm, Local Land Services (WSU River Farm)
40 Edwards Road, Richmond Lowlands, NSW

Soil Care- Tue 12 Aug (10:00 am - 2:30 pm)

Western Sydney University
Richmond, NSW

Plant Pollination- Wed 13 Aug (10:00 am - 2:30 pm)

Western Sydney University
Richmond, NSW

Ecosystem Restoration- Thu 14 Aug (10:00 am - 2:30 pm)

Demonstration Farm, Local Land Services (WSU River Farm)
40 Edwards Road, Richmond Lowlands, NSW

Regenerative Agriculture- Fri 15 Aug (10:00 am - 2:30 pm)

Western Sydney University
Richmond, NSW

EVENT PROGRAM

Welcome(10:00-11:00 am)
Introductions, Demonstrations & Site Inspections

Workshop (11:00 – 12:00 noon)
Interactive with Gen Z Presenters & Expert Panel
Applying the sciences to address key sustainability issues across the diversity of the Hawkesbury region.
(Webinar available)

'Table Discourse' (12:00-1:00 pm)
Round table sustainable science discussion with Industry Professionals and Scientists from Local Land Services, Hawkesbury City Council, Earth Care, School of Science & Hawkesbury Institute for the Environment (Western Sydney University), along with first nations leaders and next generation leaders from Centre of Excellence in Agricultural Education (CoE)

Geographical Information Systems (GIS) & Artificial Intelligence (AI)
(1:00-2:00 pm)
Digital decision support with GIS - landscape connectivity, and AI –application and predictions.
The bigger picture of sustainable science in the Hawkesbury region –applying digital science to the micro- and macro-environment.
(Webinar available)

Design Sprint (2:00-2:30 pm)
Forum: What to do Monday?
What science inspires action to achieve intergenerational climate resilience objectives?
(Webinar available)

Note:
Venue Registration is limited.
Webinar Registration is not limited.