Program Schedule

15 August — 15 September 2020

PLANTS

Royal Botanic Garden Sydney

The Living Laboratory
Go for a virtual stroll through the Royal Botanic Garden Sydney to discover its beautiful treasures — and its deadly threats.

Virtual Walk 360

I Spy a Wollemi
There are living dinosaurs amongst us! Help our scientists to find Wollemi Pines that have been planted all around the world. How many can you spy?

Citizen Science Project

Bush Blitz

Bush Blitz
Join the Bush Blitz team on a scavenger hunt across Australia to discover our native species. You might even find a new one.

Citizen Science Project

UNSW Sydney

Nature Explorer
Explore the beauty of urban nature in our beautiful parklands and garden – meet the people who make the green heart of the city beat! Read about the passionate people who are keeping our urban green spaces alive, as horticulturalists, arborists, rangers, and educators share their knowledge. See your neighbourhood park through their eyes.

Blog

Department of Primary Industries

Biosecurity & Food Safety

Biosecurity Warrior
Plants can get sick, just like people. Healthy plants are important for the Environment and Agriculture. Good biosecurity protects our plants from unwanted pests and diseases. Become a Biosecurity Warrior and learn how you can help keep our plants healthy.

Game

Eaton Gorge Theatre Production

Get Growing – A Story of Adaptation
Follow four little seedlings in a puppet play adventure through the Royal Botanic Garden Sydney, and learn how they have cleverly adapted to different environments.

Video

UNSW Sydney

Operation Crayweed
Help the ‘Operation Crayweed’ team restore Sydney’s missing underwater forests through a choose-your-own-adventure game!

Game & Video

Nature Explorer
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Blog

Sydney Institute of Marine Science

Get Growing – A Story of Adaptation
Follow four little seedlings in a puppet play adventure through the Royal Botanic Garden Sydney, and learn how they have cleverly adapted to different environments.

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Nature Explorer
Explore the beauty of urban nature in our beautiful parklands and garden – meet the people who make the green heart of the city beat! Read about the passionate people who are keeping our urban green spaces alive, as horticulturalists, arborists, rangers, and educators share their knowledge. See your neighbourhood park through their eyes.

Blog

#SydneyScienceTrail
#NationalScienceWeek
sydneysciencetrail.net.au
### ANIMALS

**Australian Museum**
- **FrogID**
  - There’s a way you can help identify where our native frogs are thriving and where they aren’t, and track the distribution of the cane toad in Australia — and it starts on your smartphone. [Blog](#)
- **Citizen Science Project**
- **Marine Invertebrate Collection**
  - Learn about boneless sea-dwelling creatures, many you’ve probably never seen before, which contribute to over 90% of the animals living on earth. [Blog](#)
- **Why Museum Collections? The Malacology Collection**
  - Find out why having a collection of molluscs like snails, slugs and squid is just as important as having a local library. [Blog](#)

**Royal Botanic Garden Sydney**
- **Let’s BEE Scientists**
  - Go on a musical adventure into the fascinating world of Australian native bees, and learn how to make a bee hotel and spot pollinators in your garden. [Game](#)
- **360 Koala Precinct**
  - Get up close and personal with Australia’s most unique (and sleepiest) marsupial, the Koala, at Taronga Zoo Sydney. [Virtual Walk 360](#)

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### EARTH

**Australian Museum**
- **What Does Climate Change Mean to You?**
  - Learn about all the ways the world’s ecosystems are being impacted by climate change and what that means for the people living in those environments. [Video Series](#)
- **Treasures of the Earth: Mineralogy Collection**
  - Embark on a special tour through the Australian Museum’s collection of glittering crystals and colourful minerals. [Blog](#)

**Department of Planning, Industry and Environment**
- **Saving our Species**
- **Save the World with your Family**
  - Want to help our planet? Learn the simple steps you and your family can take to help Australia’s plants and animals survive. [Blog](#)

**Macquarie University**
- **Virtual Tour – Living Seawalls**
  - Go on a field tour along the shoreline of Sydney Harbour to see how a team of scientists and designers are creating ‘seawalls’ that are alive with native marine life. [Video](#)

**Creative Science**
- **Extreme Adaptations with Creative Science**
  - Plants and animals take adaptation to a whole new level! Grab a front row seat to a science show that shares how they’ve been doing it for thousands of years. [Science Show](#)

**UTS**
- **A Day in the Life of Dr Katherina Petrou**
  - Ever wanted to venture to Antarctica? Take a virtual trip with UTS Scientist Dr Katerina Petrou, as she conducts research into marine phytoplankton and bacteria, and their effect on ocean productivity. [Blog](#)

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### PANELS

**The Big Questions of Science**
- Science is great at giving us answers, but even better at giving us questions! Join in to tackle some of science’s biggest questions in 2020. [18 August 2020 | Video](#)

**Australian Fires - Impacts and Opportunities**
- Did you know that ecosystems and wildfires are friends and foes? Discover why and explore one of the hottest topics in Australia right now. [19 August 2020 | Video](#)

**Climate Science in 2020**
- The impact of climate change is too big to ignore. Learn how climate change started and the startling ways it will impact our future. [20 August 2020 | Video](#)

**Women in STEM**
- Listen to the panel of incredible women scientists and discover their journey into STEM. [21 August 2020 | Video](#)

**Why Science and Art Can’t Live Without Each Other**
- Science and art are connected in more ways than you might think. Hear from scientists and artists who rely on both to produce amazing work. [22 August 2020 | Video](#)

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**Fizics Education**
- **The Deep Blue**
  - Dive into the science of the sea and explore the weird and wonderful ways life underwater works. [Science Show](#)

**ANSTO**
- **Meet the Scientist – Dr Tom Cresswell**
  - Discover the ingenious ways nuclear science is being used to understand the effects of pollution in our waterways with radioecologist, Dr Tom Cresswell. [Video](#)
The Sydney Science Trail is proudly supported by:

ANSTO, ABC Radio Sydney, Macquarie University, University of Technology Sydney (UTS), NSW Government (Department of Education – DART Connections) and Inspiring Australia as part of National Science Week.

#australianmuseum  #RBGSydney

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**Australian National Maritime Museum**

*Exploring Unseen Oceans*
1.30pm 19 August

*Underwater Robotics*
1.30pm 21 August

**Sydney Observatory**

*Live from the Sydney Observatory*
6.30pm 22 August

**ANSTO**

*Behind the Scenes of Big Science*
7pm 19 August

**Crawford Fund**

*Science for Food Security: Making a Global, Professional and Personal Difference*
10am 18 August

**Soapbox Science**

*Training your immune system to work smarter not harder with Hannah Law*
7pm 18 August

*Bryofight Club how mosses can live in Antarctica with Dr Melinda Waterman*
9pm 18 August

*Solar Energy: photon pokémon, gotta catch em all with Dr Siobhan Bradley*
8pm 19 August

*Preschoolers views on technology design: thinking like a child with Dr Holly Tootell*
9pm 19 August

*Coral matchmaking for a resilient reef with Dr Jennifer Matthews*
7pm 20 August

*Fitbits for Sharks: How do we study sharks in the ocean?*
9pm 20 August

*Kings of slime and grime: why maggots are our new best friends with Assoc. Prof. Michelle Harvey*
8pm 20 August

**UNSW**

*Life Among the Stars*
6.30pm 17 August

*Eating for the Planet*
6.30pm 18 August

*We Still Need to Talk About Climate Change*
6.30pm 19 August

*The World According to Physics*
6.30pm 20 August

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