

NZ NEW ZEALAND
IISF INTERNATIONAL
SCIENCE FESTIVAL

NANOFEST

14-17 July 2022



[SCIFEST.ORG.NZ](https://scifest.org.nz)

CODE VIRTUAL REALITY & GAMING CENTRE



9-10 & 14-17 July, 10am-4.30pm at Meridian Mall

Booking required • \$10/12 • 9+ years

Immerse yourself in the digital realm at our Virtual Reality Centre! We have partnered with CODE to bring you the latest VR experiences from right here in New Zealand and around the world. From relaxing virtual tours to high-octane gaming madness, there's something for everyone! This is an immersive experience like no other with the latest headsets for you to play with - discover new worlds!



BUILD A COMPUTER

14-17 July, 10.30am & 1.30pm at Meridian

Booking required • \$15 • 14-17 years

What do all the main components in a computer actually do? Join our computer building workshop to find out! Using e-waste and recycled computer parts, you'll build, test and run a desktop computer – and maybe take it home!

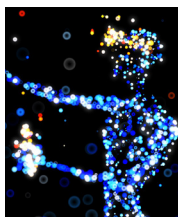


HEARTOTAGO POP UP DISPLAY

14-17 July, 9am-6pm at Meridian Mall

Drop in • Free

Dunedin senior high school students were challenged to research an aspect of cardiovascular health and disease, and create an eye-catching poster. Head on over to see the winning entries and learn more about the human heart.



CODE VR ARTISTS' STAGE

14-17 July at Meridian Mall

Drop in • Free

Drop by our VR Artists' Stage to watch local artists try their hand at creating virtual art. Artists of all kinds - from street artists to sculptors - and with varying levels of experience in VR will use different VR art programmes to create their work.



CHAIN REACTIONS

14 July, 10am-3pm at Meridian Mall

Drop-in • Free • 4-12 years

This is all about forces and energy. Make popsicle stick bombs, explore energy transfer with dominoes, see the incredible chain fountain, and build your own chain reaction from our collection of random objects.



ENGINEERING CHALLENGES

15 July, 10am-3pm at Meridian Mall

Booking required • Free • 4-12 years

Put your engineering skills to the test! Attempt to build the tallest cup tower, strongest paper bridge, or the sturdiest tinfoil boat. There are prizes for the structures that outperform all others at the end of the day!



SCIENCE ACADEMY EXPO

15 July, 3.15pm-5pm at Hutton Theatre

Booking required • Free • 13+

Otago University Science Academy takes 50 science students from rural, provincial, small and low decile schools across NZ. Share their passion for science through their short talks, films, displays and podcasts.



IMAGINATION PLAYGROUND

14-17 July, 10am-3pm at Meridian Mall.

Booking required • \$3 • 1-6 years

The big blue blocks are back! Let your child's imagination run wild in this child-directed, open-ended play space. Time in the Imagination Playground encourages creative thinking, collaboration, sharing, movement and scientific thinking. We provide the blocks, you provide the fun!

THE DISINFORMATION PROJECT

14 July, 5.30pm-7pm at Hutton Theatre

Booking required • \$10

Eroded information ecologies: social cohesion, trust and the impact of misinformation. The Parliamentary protest, for many, was their first insight into the impacts of misinformation in Aotearoa New Zealand. With a focus on social cohesion and inclusion, this talk by Kate Hannah, Director of the Disinformation Project, explores the misinformation ecosystem, the role of trust, and provides a call to action for communities.

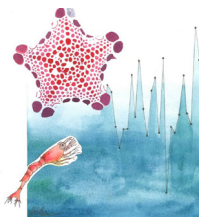


50,000 YEARS OF LIFE

15 July, 5.30pm-7pm at Petridish

Booking required • \$10

How has the Dunedin Study pushed the boundaries of science? Has it affected national and international policy? Has it made an impact in the real world? Spend an evening with Richie Poulton and fellow Dunedin Study researchers as they review 50 years of working with the thousand participants.



OUR OCEANS WORKSHOP

16 July, 10am-4pm at Marine Studies Centre

Booking required • Free • 13+

Transform data into stories and artworks in an immersive workshop exploring ocean climate change. Capture visual stories of local marine species that give meaning to scientific data and enhance the visibility of our changing ocean and the threat this poses to local marine life.



LIGHTS, CAMERA, SCIENCE!

16 July, 2pm-3.30pm at Central Library

Booking required • Free • 9+

Join us for a 'wild' afternoon of short science and nature films and Q&A with filmmakers from the Department of Science Communication. The five films will delve into the worlds of birds, biofuels, and disease-sniffing dogs.



SPACE SCIENCE

16 July, 10am-3pm at Meridian Mall

Drop-in • Free • 4-12 years

Explore the science of the moon, planets and stars! We'll be simulating meteor impacts, demonstrating the gravitational forces of our solar system, exploring the phases of the moon, and launching film canister rockets!



PLAYING WITH PHYSICS

16 July, 2pm at St Davids Lecture Theatre

Booking required • Donation • 6+

Explore the mysteries of the everyday! How do we know what is inside the Sun? Can we hold boiling water in our hands? The Department of Physics invites you to journey from the realm of the hot to the very cold and uncover exciting facts about our world and universe!



UNDERSTANDING 3 WATERS

16 July, 5.30pm-7pm at Petridish

Booking required • \$10

What does science have to say about the state of our Three Waters systems? Leave politics at the door and hear from a range of experts about the need for water systems reform in our communities and how the Three Waters framework intends to address the issues.

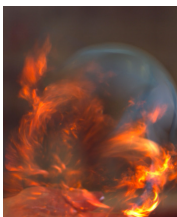


SEA OF SOUNDS

17 July, 11am-3pm at Marine Studies Centre

Booking required • \$10 • 10+

Did you know the pigfish can grunt and shrimp can snap? Join musician Judah Kelley to investigate ocean sounds! Learn how sound is created by marine animals, what it is used for, and how it travels through water. Collect your own sounds from the ocean and turn them into pieces of music in this fun and creative workshop!



CHEMISTRY AND MĀTAURANGA

17 July, 2pm at Castle 1 Lecture Theatre

Booking required • Donation • 6+

The University of Otago Chemistry department weaves chemistry and mātauranga Māori around stars, space and Matariki. There will be the usual chemistry bangs and flashes, and stories from Te Ao Māori that bring a new perspective to a traditional science show.



E-WASTE DROPOFF POINT

14-17 July, 10am-4pm at Meridian Mall

Drop off • Free

Bring us your old electronic devices and we'll give them new life! In partnership with the Dunedin City Council and Cargill Enterprises, we are offering a FREE drop-off point for unused or end-of-life consumer electronic goods during NanoFest. We can accept the following: cell phones, laptops, desktop computers, tablets, computer screens, household printers, computer cables, keyboards and mice, as well as household and computer batteries (batteries must not be leaking, corroded, expanding or otherwise damaged). Data will be destroyed but we recommend clearing this yourself before drop-off.

GENERAL INFORMATION

Tickets are available at scifest.org.nz - no cash sales available.

Many events are free or entry by donation but advance booking is recommend to avoid disappointment when events sell out. Booked participants will receive advance notice of any event updates or cancellations.

All attendees under the age of 14 must be accompanied by an adult. The NZ International Science Festival is taking all precautions necessary to ensure our events run safely and within guidelines set by the Government.

All festival events will comply with the Covid Protection Framework in place at the time they happen. Masks are required at all indoor events. If you are not feeling well on the day, please stay home.

VENUES

♿ Meridian Mall	285 George Street, Dunedin 9058
Petridish	8 Stafford Street, Dunedin
♿ Hutton Theatre	419 Great King Street, Dunedin 9016
♿ Dunedin Public Library	230 Moray Place, Dunedin 9054
♿ St Davids Lecture Hall	Saint David Street, Dunedin North
♿ Castle 1	62 Leith Street, Dunedin North
♿ NZ Marine Studies Centre	185 Hatchery Road, Dunedin 9014

MAJOR FUNDERS



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