

The background of the entire page is a dense, repeating pattern of white line-art icons on a blue background. The icons represent various fields of study: science (flasks, microscopes, lightbulbs, atoms), arts (pianos, paint palettes, brushes), business (briefcases, calculators), and general education (books, graduation caps, globes, charts). The pattern is most concentrated in the top right and bottom right corners, tapering off towards the left.

2018

**EDUCATION
PROGRAMMES**

AT THE OTAGO MUSEUM

www.otagomuseum.nz/learn



OTAGOmuseum



THE LEOTC SERVICE IS SUPPORTED BY THE MINISTRY OF EDUCATION.

For bookings, contact the Education Team.
Telephone: 03 474 7470
Fax: 03 477 5993
Email: education@otagomuseum.nz
Visit our website: www.otagomuseum.nz
for downloadable activities
and programme information.
Like Otago Museum on Facebook.

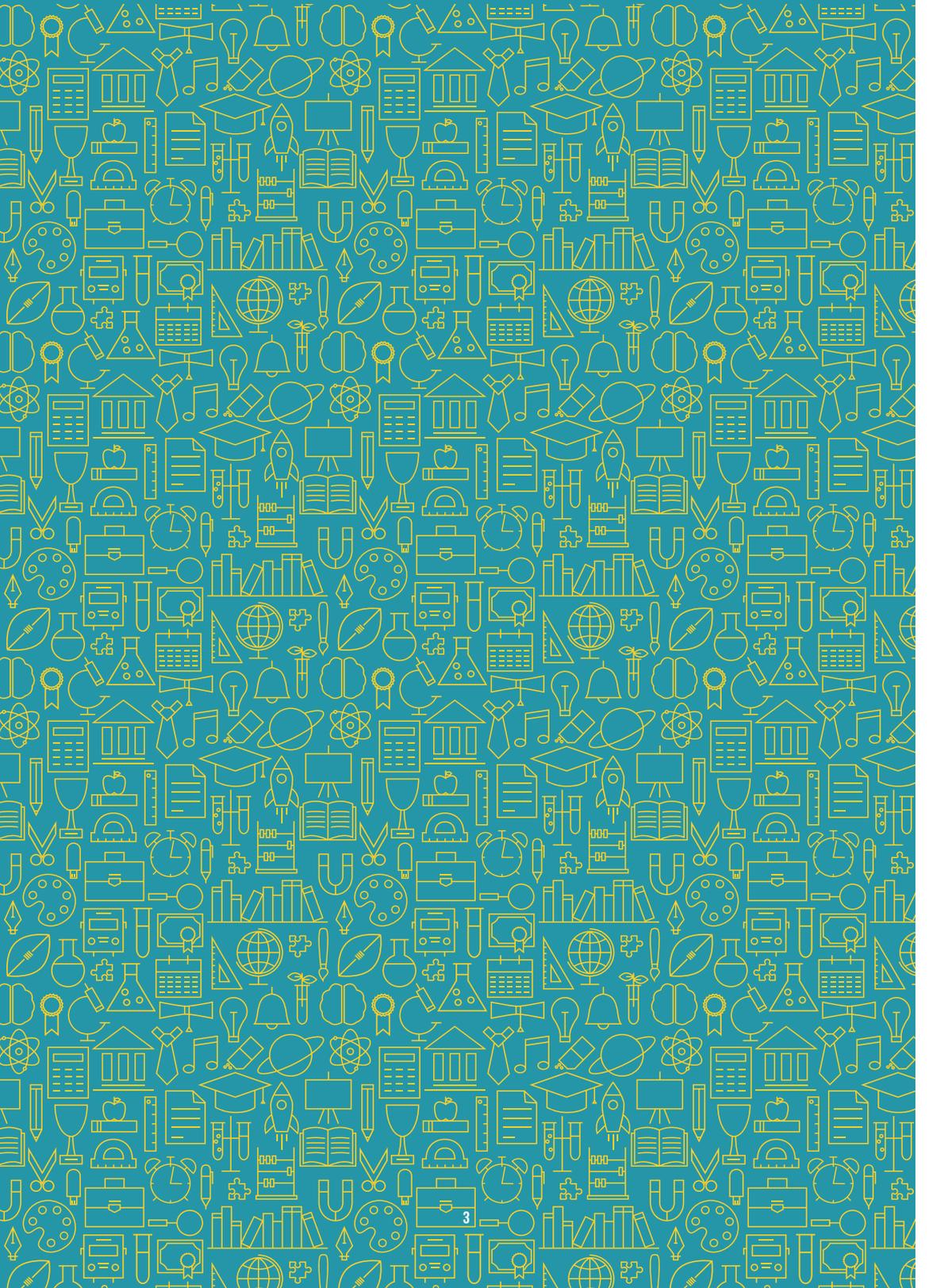


If your topic is not here please ask, as a further range of programmes is available. Tell us your study objectives, learning outcomes and key competencies, and we will focus our programmes to suit.

A small materials charge may apply to some programmes. Titles, dates and content are subject to change.
Please phone or email for details.

CONTENTS

Education at the Otago Museum	4
Programmes	
· Social Sciences	5–11
· Science	12–17
· Reach for the Stars programmes in the Perpetual Guardian Planetarium	18–21
· At Your School	22–24
· Sleepovers	25–26
· Curriculum Link Summary	27–28





EDUCATION AT OTAGO MUSEUM

Kia ora tātou,

We are excited to present our range of hands-on LEOTC education programmes aimed to support classroom teaching and student learning needs.

The Education Team is pleased to announce the pricing for Tūhura Otago Community Trust Science Centre. For one year only, schools will receive a special discounted rate of \$6.00 per student, a 40% reduction on the public rate. This will provide schools with the opportunity to experience more than 45 new science interactives and a refreshed Tropical Forest. We are also offering new programmes making the best use of Tūhura as a learning resource.

As well as our many social sciences, science and outreach programmes, we are able to tailor programmes to your learners' needs. We require only your learning outcomes and intentions, and six to eight weeks' notice. Please contact us for more information.

We look forward to working with you in 2018.

Ngā mihi nui,

Kate, Emily and Nick

LEOTC GALLERY PROGRAMMES

SOCIAL SCIENCES



ANCIENT EGYPTIAN LIFE AND MUMMIFICATION

Who is wrapped in cloth, wears a mask and has lived at Otago Museum for over 100 years? How has science helped us to discover what she looked like and how she lived, over 1000 years ago? Meet our Egyptian mummy and explore ancient Egyptian artefacts, traditions and beliefs in the afterlife.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

No charge

ART OF THE PACIFIC

From tapa in Samoa to the decorative arts of Māori culture, art in the Pacific is full of symbolism and stories. Engage your students with our world-renowned collection items and inspire their creativity in the optional tapa-making workshop.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change

Visual Arts: Understanding Visual Arts in Context; Communicating and Interpreting in Visual Arts; Developing Ideas in Visual Arts
Levels 1–5

Gallery programme – No charge

Optional tapa-making workshop
\$3.50 per student

BICULTURAL NEW ZEALAND

Explore the bicultural foundation of our nation in four iconic galleries. Who were the first settlers to arrive in New Zealand, why did they travel here, and how did they influence their new home? Learn about the world of the Māori and early European settlers, how they influenced the land and how the land influences them.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

No charge

BUILDING HISTORY

If walls could talk, what would they tell us? Survey the Museum's precious buildings to discover what we can learn about the history of Dunedin through bricks and mortar. Explore the importance of Dunedin's historic buildings with a visit to Otago Museum's H D Skinner Annex.

Curriculum Links

Social Sciences: Place and Environment; Continuity and Change
Levels 2–5

No charge

CELEBRATING THE PACIFIC

Experience Pacific celebrations in Samoa, the Cook Islands and Fiji. Through dramatic role-play, your students will experience cultural celebrations, awakening and enriching their understanding of the people of the Pacific.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

No charge

CLASSICAL LIFE

The Ancient Greeks and Romans have left footprints all around the world and today we are still intrigued. Using gallery artefacts for inspiration, take a stroll in the sandals of a citizen to explore the classical way of life and its influence on us today.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

No charge

GODS AND GODDESSES OF THE ANCIENT WORLD

Explore the customs and beliefs of the ancient world through dramatic interpretation of myths and legends. Choose from a range of modules including Ancient Egypt, Ancient Greece and Ancient Rome, as well as the civilisations of the Pacific and Asia.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

No charge

GREEK HEROES

What does it take to make a hero? Jump on board with Odysseus and friends to decide whether it's the traits or triumphs of a person that sets them apart from the rest.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

No charge

INVENTORS AND INVENTIONS

Behind every great invention is a great problem. Get to the root of some inventions that have influenced civilisation, starting with the plough. Explore the innovative ways of others and let your students test their creative skills with a futuristic challenge in Tūhura.

Curriculum Links

Social Sciences: Economic World; Continuity and Change
Technology: Nature of Technology
Levels 1–5

\$6.00 per child; 1 adult free per 6 students; further adults \$10.00 each

MAHIKA KAI

Journey through our Southern Land, Southern People and Tāngata Whenua galleries to discover the practices associated with mahika kai (food gathering). Explore the links between knowledge of the past and archaeological evidence, and get hands-on with our set of food-gathering tools in order to learn more about the lifeways of the southern Māori.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Technology: Nature of Technology
Levels 1–5

No charge

MĀORI ART AND MUSIC

Discover the richness of Māori culture as you experience art and music in the unique setting of the Tāngata Whenua gallery. Design and embellish a hūhū (bullroarer) in the optional hands-on workshop.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change

Music: Communicating and Interpreting; Understanding in Context

Visual Arts: Communicating and Interpreting; Understanding in Context

Technology: Nature of Technology Levels 1-5

Gallery programme - no charge
Optional hūhū workshop – \$3.50 per student

MĀORI TECHNOLOGY

Explore the range of taoka in the Tāngata Whenua gallery to identify resources that shaped life in early Aotearoa. Investigate how technologies enabled southern Māori to survive in this harsh land. Take a close look at our range of tools and discover the skills that went into their creation.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change

Technology: Nature of Technology Levels 1–5

No charge

MULTICULTURAL KIWIS

What makes New Zealanders unique? Explore our diverse beginnings through three Museum galleries and discover how the many cultures of early settlers have shaped our national identity.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change

No charge

SURVIVAL OF THE FITTEST

All living creatures have evolved ways to survive and succeed. Travel through our galleries to explore the competitive nature of people and other animals.

Curriculum Links

Social Sciences: Place and Environment; Economic World
Science: Living World
Level 1-5

No charge

TE TIRITI O WAITANGI

Travel back in time to the early days of Aotearoa and discover the stories behind the signing of our nation's founding document. Learn about the authors and find out why the Māori and Pākehā understandings of the treaty were so different. Explore this special period in New Zealand's history with inspiration from Tāngata Whenua and Southern Land, Southern People galleries.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 3–5

No charge

THE WORLD OF EXPLORERS

Humans are a curious bunch! Share in the wonder of discovery and the trepidation of challenges as we follow in the footsteps of inspirational explorers who have helped shape our world. Just what does it take to make a mark in the world of exploration?

Curriculum Links

Social Sciences: Economic World; Continuity and Change
Levels 1–5

No charge

UNDERSTANDING ASIA

Traverse our galleries to discover an array of Asian cultures, from China to Japan and from India to Afghanistan. Extend your students' understanding of the world's largest continent through art, technology and dramatic role-play.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

No charge

UNDRESSING THE PAST

Fashion or function? Explore the Museum's galleries as they strut their stuff with a showcase of clothing from different times and cultures. Uncover the embedded meaning in clothing and consider the particular materials that have been used, drawing conclusions about this integral part of human life.

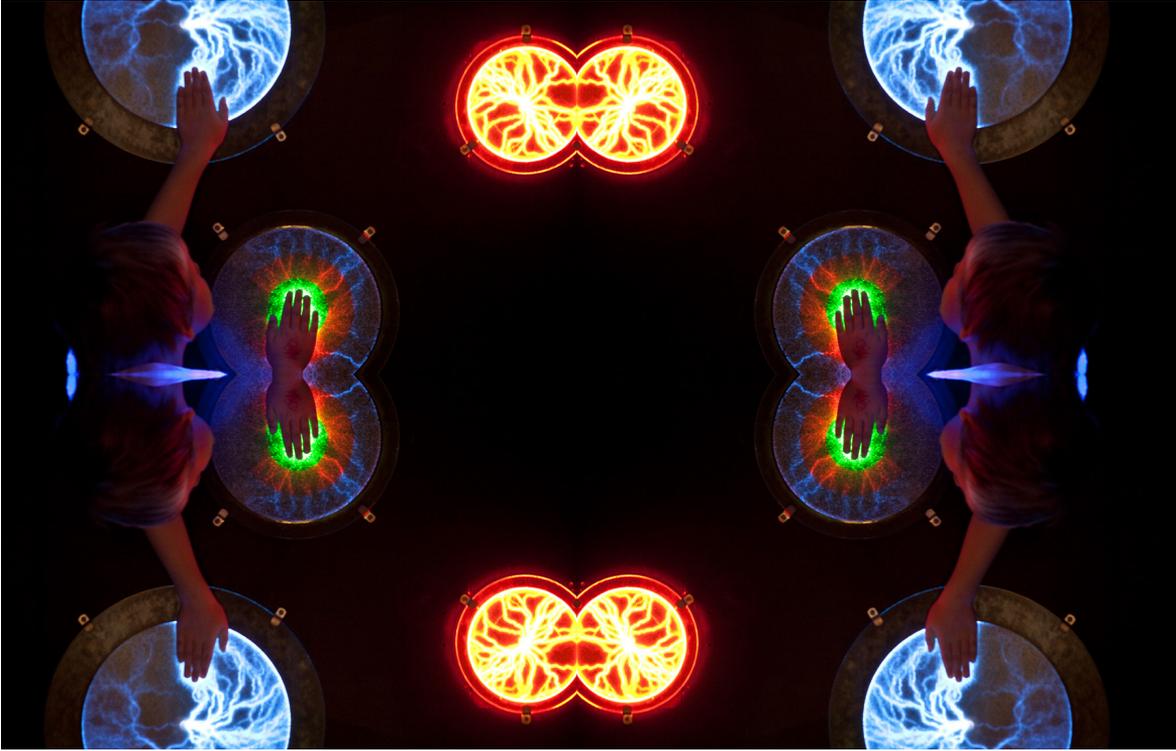
Curriculum Links

Social Sciences: Identity, Culture and Organisation; Place and Environment

Technology: Nature of Technology
Levels 1–5

No charge

SCIENCE



ANIMALS IN THE ATTIC

Clamber your way up to Animal Attic to learn about the animals of our world. Learn the basics of taxonomy and how to identify the characteristics that set one class of animal from another.

Curriculum Links

Science: Living world
Levels 1–5

No charge

BUTTERFLIES ABOUND

Delicate and colourful, butterflies captivate and astound us. How do these creatures carry out their short but busy lives? Visit the Tūhura Science Centre's Tropical Forest to explore the adaptations and relationships that butterflies have evolved to move, feed and live in their unique environment.

Curriculum Links

Science: Living world
Levels 1–5

\$6.00 per student; 1 adult free per 6 students; further adults \$10.00 each

CLIMATE CHANGE

Explore the science behind global warming by examining the influence of climate change on our oceans and the possible impacts for the species with which we share our world.

Curriculum Links

Science: Living world
Social Sciences: Place and Environment
Levels 3–5

\$6.00 per student; 1 adult free per 6 students; further adults \$10.00 each

ENERGY AND FORCES

Explore the Tūhura Science Centre to investigate how everyday phenomena such as force, motion, sound, heat, electricity and magnetism shape our existence. Catapult your students into an all-encompassing programme or allow us to generate a more specific focus on the phenomena of your choice.

Curriculum Links

Science: Physical World
Technology: Nature of Technology
Levels 1–5

\$6.00 per student; 1 adult free per 6 students; further adults \$10.00 each

FANTASTIC FOSSILS

Delve deep into the remains of prehistoric life with New Zealand's largest fossil in the Southern Land, Southern People gallery. Your students will explore the processes of palaeontology to gain a greater appreciation of the fossil record and what it can tell us about life on planet Earth.

Curriculum Links

Science: Planet Earth and Beyond;
Living World
Levels 1–5

No charge

GEOLOGY ROCKS

Learn about the rock cycle in the iconic Southern Land, Southern People gallery. Look within the globe to learn about the events happening beneath our feet that shaped our world and created the geology of the land. Explore the characteristics of sedimentary, metamorphic and igneous rocks with reference to the Otago Museum geology collection, and learn about the links between geological processes and the formation of fossils.

Curriculum Links

Science: Planet Earth and Beyond
Levels 1–5

No charge

ANATOMY AND LIFE PROCESSES

Look deep inside the human body with a visit to the Tūhura Science Centre. Find out what lies beneath our skin at the Virtual Body Table, and see how life processes keep us and the living things around us alive in Animal Attic.

Curriculum Links

Science: Living World
Levels 3–5

\$6.00 per student; 1 adult free per 6 students, further adults \$10.00 each

KITCHEN CHEMISTRY

Take the mastery of matter into your own hands in a safe, exciting laboratory environment. Explore the properties of day-to-day chemicals and watch them react together in order to understand the behaviour of various chemical materials.

Curriculum Links

Science: Material World
Levels 1–5

\$3.50 per student

MINIBEASTS

Explore the miniature life forms that live in your backyard as you uncover the secret world of minibeasts. Explore what separates and links minibeasts to the rest of the Animal Kingdom and take away a new appreciation for the little creatures that make our lives possible. Inspire your students further with our optional Tūhura module based in the Biozone and Tropical Forest.

Curriculum Links

Science: Living World
Levels 1–4

No charge or \$6.00 per student; 1 adult free per 6 students; further adults \$10.00 each

NATURE'S FORCE

Mother Nature is a powerful force, but just what triggers the Earth to shake, rattle and roll? Explore the structure of the Earth and the natural phenomena of earthquakes, tsunamis and volcanoes. Explore these natural disasters through scientific exploration in our safe but exciting laboratory environment. Take things to the next stage with our optional module that uses the earth science interactives in Tūhura to bring learning alive.

Curriculum Links

Science: Planet Earth and Beyond;
Physical World
Levels 1–4

No charge or \$6.00 per student; 1 adult free per 6 students; further adults \$10.00 each

SCIENCE OF LIGHT

Illuminate young minds with hands-on explorations of light energy and technologies in the Tūhura Science Centre. Discover the properties of these phenomena and explore how bright scientific minds have mastered light to help us in our daily lives.

Curriculum Links

Science: Physical World
Levels 2–5

\$6.00 per student; 1 adult free per 6 students; further adults \$10.00 each

SURVIVAL OF THE FITTEST

All living creatures have evolved ways to survive and succeed. Travel through our galleries to explore the competitive nature of people and other animals.

Curriculum Links

Science: Living World
Social Sciences: Place and Environment;
Economic World
Levels 2–5

No charge

SUSTAINABLE NEW ZEALAND

The world is changing and so are we. With inspiration from Nature and Southern Land, Southern People galleries, students will seek to balance the needs of humans with their impacts on the environment. Use your problem-solving skills to unravel issues associated with the impact of industry on the natural environment.

Curriculum Links

Science: Planet Earth and Beyond;
Living World

Social Sciences: Place and Environment;
Economic World
Levels 1–5

No charge

THE SECRET LIFE OF BIRDS

How well do you know the birds in your garden? Come and explore their secret lives with a visit to our Nature gallery. Learn to identify endemic and exotic species, and get an insight into their habits and behaviours.

Curriculum Links

Science: Living World
Levels 1–5

No charge

TROPICAL ECOSYSTEMS

Students will explore the flora and fauna of Otago Museum's very own rainforest and investigate the impact that humans can have on these important ecosystems. Discover the strategies being used to minimise these impacts and learn how we are all linked to the tropical regions of our world.

Curriculum Links

Science: Living World

Social Sciences: Place and Environment
Levels 3–5

\$6.00 per student; 1 adult free per 6 students, further adults \$10.00 each

WHAT'S IN OUR FOOD?

Eating is one of the most important things we do, but how do we know what we are putting into our bodies? What is good for us, and what is bad? Take the chemistry lab into your lunchbox to discover the science of our everyday diets.

Curriculum Links

Science: Material World

Health: Personal Health and Physical
Development
Levels 1–4

\$3.50 per student

WILD OTAGO

Jump, swim, dive, waddle or fly into our Nature gallery to explore the wild animals of Otago. Delve into the vast and varied habitats of our region and identify solutions to modern dangers that threaten their existence.

Curriculum Links

Science: Living World

Social Sciences: Place and Environment
Levels 3–5

No charge

WILD WEATHER

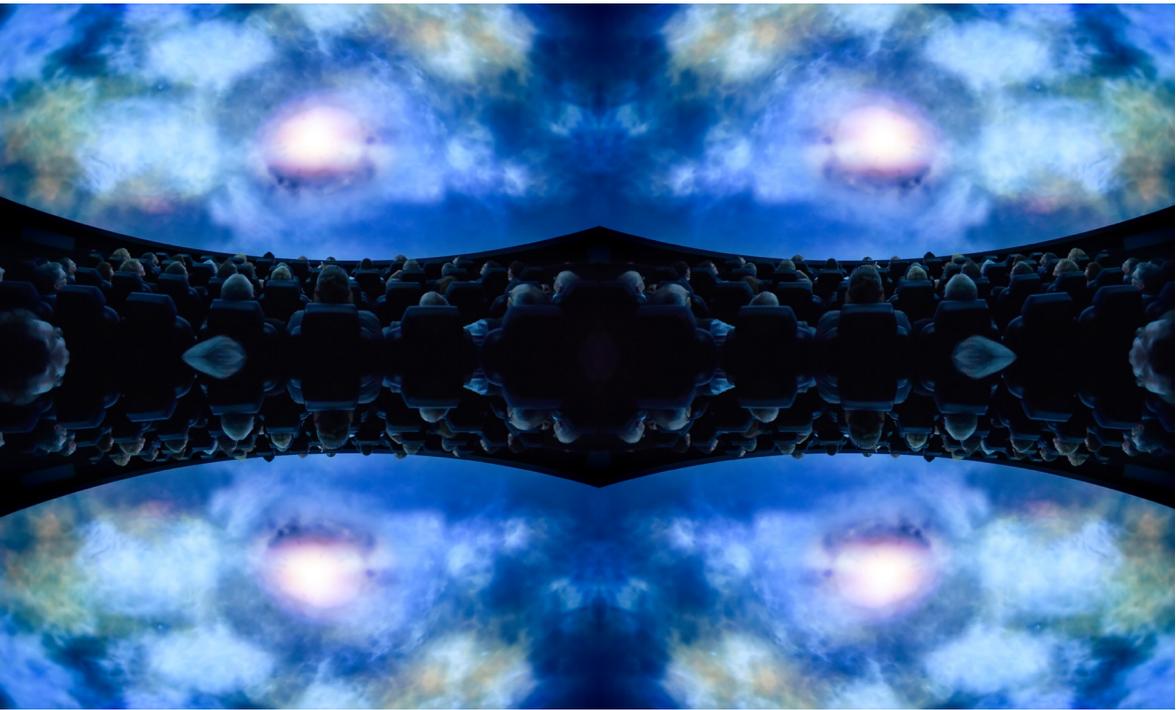
Explore the highs and lows, the wind and water cycles, and other meteorological conditions that reign from above. Get hands-on with science to explore how weather is formed, and discover the impact New Zealand's climate and location can have on the weather at your place. Inspire deeper learning with an optional visit to Tūhura to learn more about meteorology.

Curriculum Links

Science: Planet Earth and Beyond
Level 1–5

\$3.50 per student or \$6.00 per student; 1 adult free per 6 students, further adults \$10.00 each

REACH FOR THE STARS PROGRAMMES IN THE PERPETUAL GUARDIAN PLANETARIUM



ASTROBIOLOGY

Could life exist on other planets? Explore our solar system's habitable zone and beyond with a visit to the Perpetual Guardian Planetarium.

This programme is specifically designed to support the Year 13 Earth and Space Science assessment standard 3.6, with a focus on life on other planets.

Curriculum Links

Science: Planet Earth and Beyond
NCEA Level 3

EARTH ORIGINS

Travel back in time to the birth of our solar system to learn about the forces that have shaped the planet we call home. Learn about the ways the Earth was formed and the chain reaction that led to the development of life, from single-celled organisms through the rise and fall of the dinosaurs.

Curriculum Links

Science: Planet Earth and Beyond;
Living World
Levels 2–5

ASTRONOMICAL CYCLES

Engage students with a visit to the immersive environment of the Perpetual Guardian Planetarium. Explore a range of astronomical cycles including the rotation of the Earth, the Earth's orbit around the sun, the moon's orbit around the Earth, and the influence of the Earth's tilt on seasonal changes.

This programme is specifically designed to support the Science assessment standard 1.15.

Curriculum Links

Science: Planet Earth and Beyond;
Living World
NCEA Level 1

MĀORI MYTHS AND LEGENDS

Explore Māori legends from a new perspective in the Perpetual Guardian Planetarium. Hear about the stories that Māori saw in the stars, including an examination of the celestial bodies associated with the Māori New Year, Puaka and Matariki.

Curriculum Links

Science: Planet Earth and Beyond
Social Sciences: Identity, Culture and Organisation

Levels 1–5

MARS

Get up-close and personal with the fourth rock from the sun in the Perpetual Guardian Planetarium. Discover what makes the 'Red Planet' so appealing as a potential new home for members of the human race. Learn about the scientists who have helped us discover more about Mars and the orbiters, landers and rovers that are providing us with knowledge about our celestial neighbour.

This programme is specifically designed to support the Year 13 Earth and Space Science assessment standard 3.6, with a focus on life on other planets.

Curriculum Links

Science: Planet Earth and Beyond
NCEA Level 3

MYTHS AND LEGENDS OF THE CLASSICAL WORLD

Become immersed in the night sky through the eyes of the ancient civilisations. Learn about the stories related to the celestial bodies as told by the ancient peoples of Egypt, Greece and Rome.

Curriculum Links

Science: Planet Earth and Beyond
Social Sciences: Identity, Culture and Organisation
Levels 1–5

OUR PLACE IN SPACE

Visit the state-of-the-art Perpetual Guardian Planetarium and put the universe within your students' reach. Become immersed as we explore the celestial bodies of our solar system and the phenomena that make our universe what it is.

Topics include:

- The sun and the solar system
- The phases of the moon
- The life cycle of stars
- Māori and Greek constellations

Curriculum Links

Science: Planet Earth and Beyond; Physical World
Social Sciences: Place and Environment
Levels 1–5

SPACE EXPLORATION

Travel through the solar system to explore the known universe in the Perpetual Guardian Planetarium. See the spacecraft that have helped us learn more about our celestial neighbours from the rocky inner planets to the gas giants of the outer solar system and beyond.

Curriculum Links

Science: Planet Earth and Beyond
Levels 1–5

The Perpetual Guardian Reach for the Stars programme supports the attendance of school students in the Otago region. This includes subsidised entry for all schools and a travel subsidy for decile 1–5 schools.

AT YOUR SCHOOL



ANCIENT EGYPTIAN LIFE AND MUMMIFICATION

Travel back to Ancient Egypt in Starlab and explore the ancients' belief in the afterlife through the captivating legend of Isis and Osiris.

While surrounded by constellations inspired by ancient mythology, students will gain a greater understanding of the connection between the beliefs of the Ancient Egyptians and the practice of mummification. The session will include a simulated mummification ceremony.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5

BUG CENSUS

Explore your own surroundings and discover the minibeasts that call your schoolyard home. Students will learn the basics of entomology as they survey, record and classify what lies above and beneath the soil.

Curriculum Links

Science: Living World
Levels 1–4

LAY OF THE LAND

Students will enter Starlab to discover how and why the land has been twisted, shaken and shaped over time. Within this immersive environment students will explore the structure of the Earth and the consequences of plate movement.

An examination of recent geological events from around the world will be drawn on to add context to the human implications of the Earth's processes.

Curriculum Links

Science: Living World; Planet Earth and Beyond
Social Sciences: Place and Environment
Levels 1–5

STARLAB

Jump on board for a Starlab journey. Learn more about the stories behind the stars and the science of space. From the Big Bang to space travel, students will size up space and learn about their place in the universe.

Curriculum Links

Science: Planet Earth and Beyond
Levels 1–5

At Your School programmes utilise the Starlab portable planetarium, charged by the day or half-day. Transportation and accommodation costs may apply depending on location. Please contact the Otago Museum Education Team for further information.

SLEEPOVERS



NIGHT AT THE MUSEUM SLEEPOVER

\$40 per student, \$30 per adult

Enjoy a sleepover in the Tūhura Science Centre as part of your school camp or as an experience on its own. Combining an exciting range of Education programmes with mind-challenging fun in Tūhura Science Centre and its Tropical Forest, our team can adapt the sleepover programme to fit your class needs.

CREATIVE WRITING SLEEPOVER FOR SENIORS

Journey across continents and through time to capture authentic details for creative writing exploits. Gain inspiration from the galleries of the Otago Museum as your students spend an afternoon, night and morning absorbing the surroundings and producing creative masterpieces.

Curriculum Links

NCEA English
Levels 5–8

\$40 per student, \$30 per adult

SUPER SCIENCE SLEEPOVER FOR SENIORS

Get inspired by science with a night at the Museum. Based in the Tūhura Science Centre, students will be taught the basics of science communication with reference to our world-class science displays and interactives. Students will be challenged to share their knowledge by presenting their learning to the class.

Curriculum Links

NCEA Science
Levels 5–8

\$40 per student, \$30 per adult

Please note, a minimum of 15 students and a maximum of 50 students and adults may apply for Sleepovers at Otago Museum. Please contact us if your group will be outside these numbers.

CURRICULUM LINK SUMMARY

PRIMARY AND INTERMEDIATE PROGRAMMES

Art of the Pacific	
Ancient Egyptian Life and Mummification	
Bicultural New Zealand	
Building History	
Butterflies Abound	
Celebrating the Pacific	
Classical Life	
Defence and Attack	
Energy and Forces	
Gods and Goddesses of the Ancient World	
Greek Heroes	
Inventors and Inventions	
Kitchen Chemistry	
Mahika Kai	
Māori Art and Music	
Māori Technology	
Minibeasts	
Multicultural Kiwis	
Nature's Force	
Our Place in Space	
Rock Solid	
Science of Light	
Survival of the Fittest	
Sustainable New Zealand	
Te Tiriti o Waitangi	
The Secret Life of Birds	
The World of Explorers	
Tropical Ecosystems	
Understanding Asia	
Undressing the Past	
What's in Our Food?	
Wild Otago	
Wild Weather	

NCEA EDUCATION PROGRAMMES

NCEA Classics

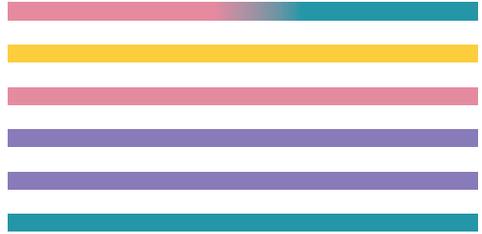
NCEA Evolution

NCEA History

NCEA Technology

NCEA Textiles

NCEA Visual Arts



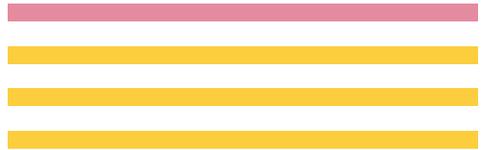
AT-YOUR-SCHOOL PROGRAMMES

Ancient Egypt and Mummification

Bug Census

Lay of the Land

Starlab



KEY:

-  **SCIENCE**
-  **SOCIAL SCIENCE**
-  **TECHNOLOGY**
-  **ARTS**
-  **HEALTH**

NOTES

NOTES

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Closed Christmas Day

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