

The background of the entire poster is a dense, repeating pattern of small, white line-art icons on a blue background. These icons represent various fields of study and learning, including science (flasks, microscopes, rockets, atoms), arts (musical notes, paint palettes, cameras), humanities (books, globes, classical buildings), and general education (graduation caps, pencils, rulers, lightbulbs). The pattern is most concentrated in the top right and bottom right corners, creating a sense of depth and immersion.

2017

**EDUCATION
PROGRAMMES**

AT THE OTAGO MUSEUM

www.otagomuseum.nz/learn





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.

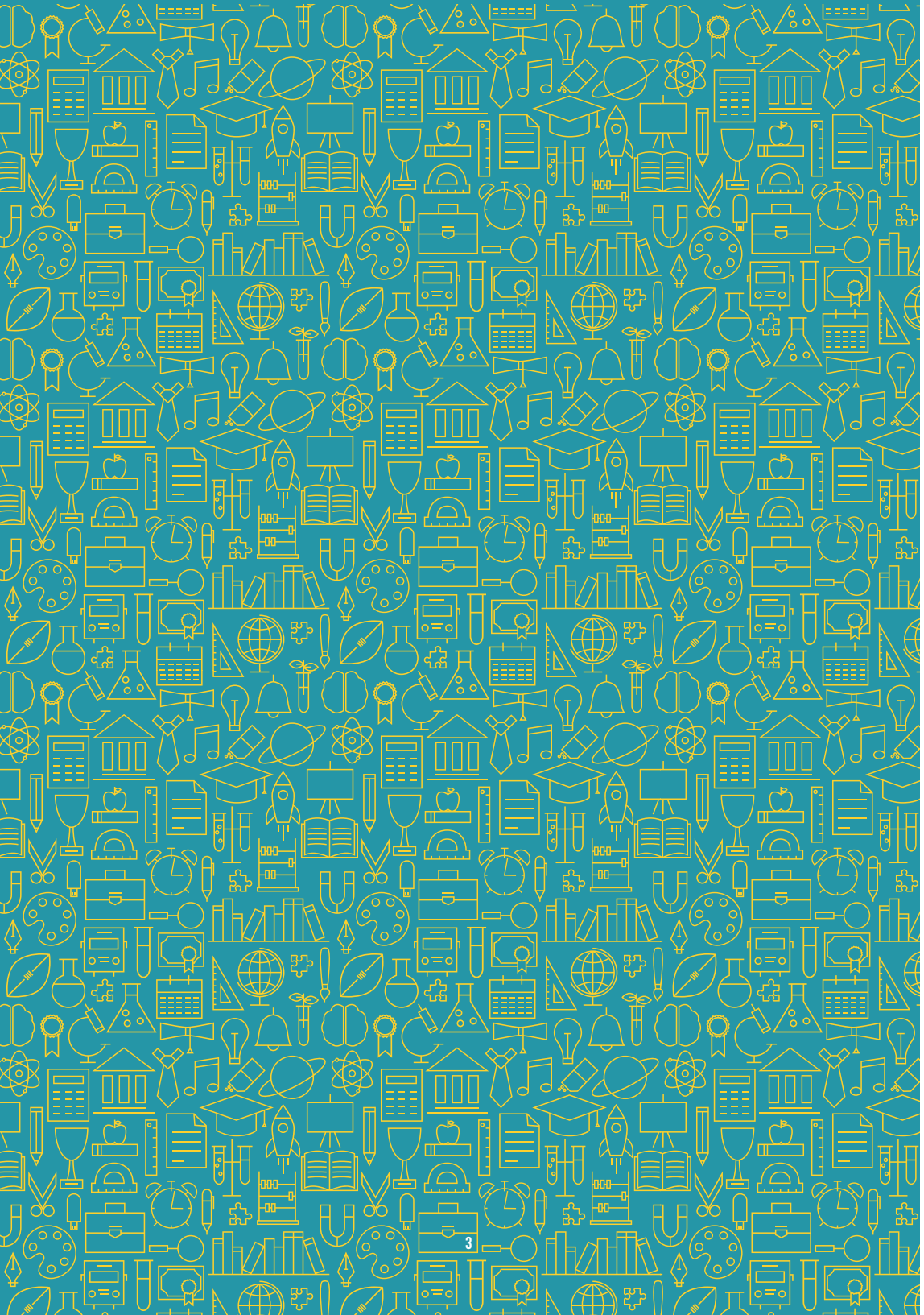


If your topic is not here please ask, as a further range of programmes is available. Tell us your study objectives, learning outcomes and key competencies, and we will focus our programmes to suit.

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

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INTRODUCING THE EDUCATION TEAM

Kia ora tātou,

We are excited to present a wide range of hands-on LEOTC education programmes to support your classroom teaching and student learning needs, and look forward to working with you in 2017.

Ngā mihi nui,
Kate and Emily.

LEOTC GALLERY PROGRAMMES

UNDERSTANDING THE PAST AND UNCOVERING THE FUTURE



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 to shape our world. Just what does it take to make a mark in the world of exploration?

Curriculum Links

Science: Investigating Science

Social Sciences: Economic World; Continuity and Change
Levels 1–5, Terms 1–4

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 minds with a futuristic challenge.

Curriculum Links

Social Sciences: Economic World; Continuity and Change

Technology: Nature of Technology
Levels 1–5, Term 1–2

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 the city'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, Terms 1–4

SURVIVAL OF THE FITTEST

Where there is life, there is conflict.

All living creatures have evolved ways to survive and succeed, whether through defence or attack. When the heat is on, humans devise strategies and develop technologies to beat the odds... and each other.

Travel through our galleries to explore the competitive nature of people and animals throughout time. Turn up the heat with our Tropical Forest module and see what it takes to survive in this distinctive environment.

Curriculum Links

Science: Living World

Social Sciences:

Place and Environment; Economic World

Levels 1–5, Terms 1–4 ,

Tropical Forest module Terms 1–2

UNDRESSING THE PAST

Fashion or function? In this programme, the Museum's galleries strut their stuff with a showcase of clothing from different times and cultures.

Uncover how clothing can have embedded meaning. Consider how and why particular materials 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, Terms 1–4

LEOTC GALLERY PROGRAMMES

CELEBRATING CULTURES



UNDERSTANDING ASIA

Traverse our galleries to discover an array of Asian cultures and celebrate the rich relationship between New Zealand and Asia.

Extend your students' understanding of the largest and most densely populated continent on the planet through a selection of modules ranging from Japan to India, China to Afghanistan.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5, Terms 1–4

MULTICULTURAL KIWIS

The Kiwi culture is still very young when compared to the rest of the world.

Explore our diverse beginnings through four Museum galleries and discover how the many settling cultures have shaped our national identity.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5, Terms 1–4

CELEBRATING THE PACIFIC

Experience Pacific celebrations in your choice of cultures, ranging from the Cook Islands to Fiji and Samoa.

Through dramatic role play, your students will experience a slice of these celebrations, awakening and enriching their understanding of their place in the cultural Pacific.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5, Terms 1–4

BICULTURAL NEW ZEALAND

Explore the bicultural origins of our nation in three iconic galleries, Pacific Cultures, Tāngata Whenua and Southern Land, Southern People.

Who were the first settlers to arrive in Aotearoa New Zealand, why did they travel here, and how did they influence their new home?

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5, Terms 1–4

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 with a visit to the Pacific Cultures and Tāngata Whenua galleries.

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, Terms 1–4

LEOTC GALLERY PROGRAMMES

CELEBRATING THE ANCIENTS



ANCIENT EGYPTIAN LIFE AND MUMMIFICATION

Who is wrapped in cloth, wears a mask and has lived at the Otago Museum for over 100 years? How has science allowed us to discover what she looked like and how she lived over 2,000 years ago?

Meet our Egyptian mummy and explore Ancient Egyptian artefacts, traditions and beliefs in the afterlife. This programme includes a Starlab session and simulated mummification ceremony.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Continuity and Change
Levels 1–5, Terms 1–4

CLASSICAL LIFE

The Ancient Greeks and Romans have left footprints all around the world, and today we are still intrigued. How did they live? How were they entertained? How was their society structured? Why is this important to us?

Using gallery artefacts, take a stroll in the sandals of a citizen to understand 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, Terms 1–4

GREEK HEROES

Join us on a journey through the Museum's galleries to find out what it takes to be a hero. Jump on board with Odysseus to decide whether it is 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, Terms 1–4

GODS AND GODDESSES OF THE ANCIENT WORLD

Explore the customs and beliefs of the ancient world through dramatic interpretation of myths and legends from ancient civilisations. 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, Terms 1–4

LEOTC GALLERY PROGRAMMES

NATURAL NEW ZEALAND



SUSTAINABLE NEW ZEALAND

The world is changing and so are we. Take your students through a selection of modules, ranging from energy and ecology to climate change and the Pacific, and consider ways towards a sustainable future. Enable students to become aware of the effects and possible future consequences of decisions about resource usage, on people and the environment.

Curriculum Links

Science: Planet Earth and Beyond;
Living World

Social Sciences: Place and Environment;
Economic World
Levels 3–5, Terms 1–4

MINIBEASTS

Explore the miniature life forms that live in your backyard as you uncover the secret world of the minibeasts. Over 80% of the animal kingdom is classified as belonging to the insect and arachnid groups. 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.

Curriculum Links

Science: Living World
Levels 1–4, Terms 1–4

WILD OTAGO

Jump, swim, dive, waddle or fly into our Nature gallery to explore the wilds of Otago from another perspective. Delve into the vast and varied habitats of our region and encounter the creatures that make this place home. Investigate the ways in which native wildlife have adapted to survive in a harsh but plentiful land, and identify solutions to modern dangers that threaten their existence.

Curriculum Links

Science: Living World
Social Sciences: Place and Environment
Levels 1–5, Terms 1–4

ROCK SOLID

The history of the Earth is written in the rocks. Delve deep into the remains of prehistoric life with New Zealand's largest fossil and learn how land is twisted, shaken and shaped over time. Your students will use the language of geology and processes of palaeontology to gain a greater appreciation for the sometimes shaky ground they walk on.

Curriculum Links

Science: Planet Earth and Beyond;
Living World

Social Sciences: Place and Environment
Levels 1–5, Terms 1–4

THE SECRET LIFE OF BIRDS

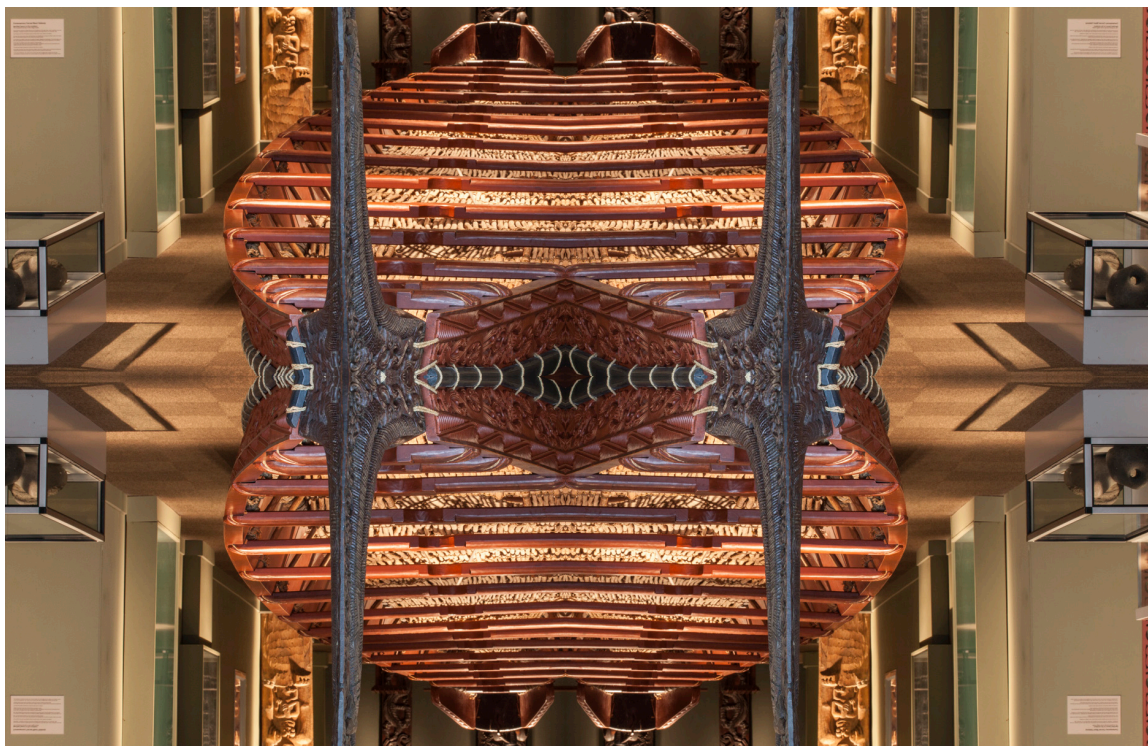
How well do you know the birds in your garden? Come and explore their secret life with a visit to our Nature gallery. Where do they come from? What do they do? Learn to identify endemic and exotic species, and get an insight into their habits and behaviours.

Curriculum Links

Science: Living World
Levels 1–5, Terms 1–4

LEOTC GALLERY PROGRAMMES

TĀNGATA WHENUA



MĀORI ART AND MUSIC

Discover the richness of Māori culture as you experience Māori art and music in the unique setting of Tāngata Whenua.

Learn how legends are made and stories are shared from generation to generation, and hold and examine Māori instruments to identify their purpose and sound. Design and carve a huhu (bullroarer) or make a porotiti (whizzer) in the optional hands-on workshops.

Curriculum Links

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

Arts: Music; Visual Arts

Technology: Nature of Technology
Levels 1–5, Terms 1–4

MĀORI TECHNOLOGY

Explore the range of taoka in the Tāngata Whenua gallery to identify the resources that shaped life in early Aotearoa.

Investigate how technologies relating to clothing, transport, tools and learning enabled southern Māori to survive in this harsh land. Get hands-on with our range of tools and discover the skills that went into their creation.

Curriculum Links

Social Sciences: Identity, Culture and Organisation; Economic World

Technology: Nature of Technology
Levels 1–5, Terms 1–4

PRE-EUROPEAN MĀORI FOOD-GATHERING

Journey through our Southern Land, Southern People and Tāngata Whenua galleries to find out how pre-European Māori traditionally sourced their food.

Identify the tools required for a hunting trip and discover how we can learn about food preparation in the past. Compare this with food gathering in other cultures with an optional *Food Gathering Throughout the Ages* module.

Curriculum Links

Social Sciences: Identity, Culture and Organisation

Technology: Nature of Technology
Levels 1–5, Terms 1–4

TE TIRITI O WAITANGI

Travel back in time to the early days of Aotearoa New Zealand and discover the stories behind the signing of our nation's founding document, Te Tiriti o Waitangi.

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 two iconic galleries, Tāngata Whenua and Southern Land, Southern People.

Curriculum Links:

Social Sciences: Identity; Culture and Organisation; Continuity and Change
Levels 3-5, Terms 1-4

LEOTC PROGRAMMES

SCIENCE DISCOVERIES



WHAT'S IN OUR FOOD?

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

Curriculum Links

Health: Personal Health and Physical Development

Science: Material World
Levels 1–4, Terms 1–4

LOTIONS AND POTIONS

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

Curriculum Links

Science: Material World
Levels 1–5, Terms 1–4

ENERGY AND FORCES

Energy is always transforming, so how do we use it? For every action there is a reaction, and this has consequences. Explore Discovery World to investigate how everyday phenomena such as force, motion, light, 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 2–5, Terms 1–4

Admission charges apply to Discovery World Tropical Forest-based programmes.

NATURE'S FORCE

From tsunamis and volcanoes to earthquakes and tornadoes, Mother Nature is a powerful force. But just what triggers the Earth to shake, rattle and roll?

Explore the science behind these phenomena, and the chaos that results, in our exciting and safe laboratory environment.

Curriculum Links

Science: Planet Earth and Beyond;
Physical World
Levels 1–5, Terms 1–4

WILD WEATHER

Why is it said that Dunedin has four seasons in one day? 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 environment and location can have on the weather at your place.

Curriculum Links

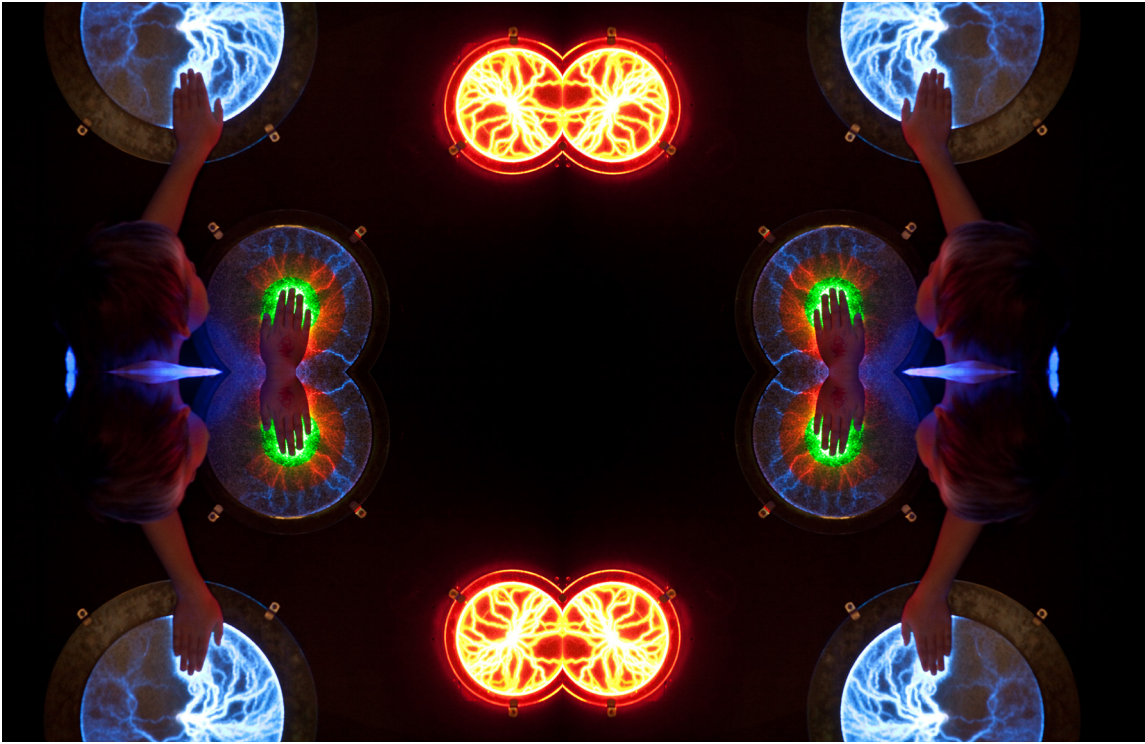
Science: Planet Earth and Beyond
Levels 1–5, Terms 1–4

SCIENCE OF LIGHT

Illuminate young minds with hands-on explorations of light energy and technologies. 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, Terms 1–2



LEOTC PROGRAMMES

TROPICAL FOREST PROGRAMMES



BUTTERFLIES ABOUND

Delicate and colourful, butterflies captivate and astound us. How do these creatures carry out their short but busy lives?

Visit our Tropical Forest and Discovery Zone to explore the adaptations and relationships that butterflies have evolved to move, feed and live in their unique habitat.

Curriculum Links

Science: Living World
Levels 3–5, Terms 1–2

TROPICAL ECOSYSTEMS

More than half of all species on this planet are found only in rainforests.

Students will explore the flora and fauna in the Otago Museum's very own tropical rainforest and investigate the impact humans can have on delicate rainforest ecosystems. Discover the strategies being used to minimise these impacts and learn how we are all linked to this spectacular ecosystem.

Curriculum Links

Science: Living World
Social Sciences: Place and Environment
Levels 3–5, Terms 1–2

Admission charges apply to Discovery World Tropical Forest-based programmes.

LEOTC GALLERY PROGRAMMES

FOR SECONDARY STUDENTS



NCEA EVOLUTION

Travel back in time to explore the evolution of mankind. Enhance your students' understanding of trends in human cultural evolution through hands-on interaction with the tools of our early forefathers.

Examine a range of hominid skulls and piece together our biological evolution.

This programme is specifically designed to support the Biology 3.6 external assessment, although it can be tailored to complement the specific learning outcomes of your study.

Curriculum Links

Science: Living World
NCEA Level 3, Terms 1–4

NCEA TECHNOLOGY

Explore the worlds of design and construction through a close-up examination of Otago Museum's H D Skinner Annex. Considering ideas of form, function and structure, your students will unpack the stylistic and structural features of this space. With access to architectural plans, old and new, students will gain insight into the transformation of a historic building.

Curriculum Links

Social Sciences: Technological Practice
NCEA Levels 1–3, Terms 1–4

NCEA VISUAL ARTS

Looking for some out-of-the-classroom inspiration? From the antiquities of Ancient Greece and Rome to the traditional and contemporary designs of Pasifika and New Zealand, there is no shortage of visual motivation at the Otago Museum.

Whether your focus is on ceramics, print-making, sculpture, carving, design or colour, your students will experience cultural artefacts in a way that will spark their imaginations and extend their understanding.

Curriculum Links

NCEA Visual Arts
NCEA Levels 1–3, Terms 1–4

LEOTC GALLERY PROGRAMMES

FOR SECONDARY STUDENTS



NCEA CLASSICS

Bring the ancient world to life with our spectacular Classics collection. Investigate authentic Greek vases, exploring their shapes, techniques and decorations, and place them in context. This programme can also incorporate the study of Greek and Roman art and architecture, as well as many of the legends that inspired the classical world.

Curriculum Links

NCEA Classical Studies
NCEA Levels 2–3, Terms 1–4

NCEA TEXTILES

Gain behind-the-scenes basement access to our textile collection and explore some of the design movements that have graced fashion pages across the decades. Students will have the opportunity to learn about design periods and conservation considerations from the Museum's curatorial and conservation teams.

This programme is specifically designed to support the Design and Visual Communications assessment standard 2.33 and 3.3 with a textiles focus.

Curriculum Links

NCEA Technology
NCEA Levels 2–3, Terms 2–4

NCEA HISTORY

How have historical events shaped our cultural world? Consider evidence of cultural migration, trade and past ways of life through the hands-on investigation of artefacts.

Explore how the past influences the present, and compare life in New Zealand and the Pacific to life in other parts of the world.

Curriculum Links

NCEA Social Science
NCEA Levels 1–3, Terms 1–4

OTHER PROGRAMMES

PERPETUAL GUARDIAN PLANETARIUM PROGRAMME – REACH FOR THE STARS



Image: Chris Sullivan

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 planets of our solar system and the phenomena that make our universe what it is.

Topics include:

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

Curriculum Links

Science: Planet Earth and Beyond

Social Sciences: Place and Environment
Levels 1–5, Terms 1–4

EARTH AND ASTRONOMICAL CYCLES

Engage students with a visit to the immersive environment of the Perpetual Guardian Planetarium. Explore a range of astronomical cycles including the spin 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 the heating effects of the sun.

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

Curriculum Links

Science: Planet Earth and Beyond
NCEA Level 1, Terms 1–4

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, Terms 1–4

The Perpetual Guardian *Reach for the Stars* programme supports the attendance of school students in the Otago region. This includes subsidised entry for all school students, free entry for low-decile (1-4) schools and a travel subsidy for rural schools.

Please contact the Otago Museum Education Team to learn more.

OTHER PROGRAMMES

SLEEPOVERS



DISCOVERY WORLD TROPICAL FOREST SLEEPOVER

Enjoy a sleepover in Discovery World Tropical Forest as part of your school camp or as an experience on its own, or book in for our sensational Tropical Forest deluxe sleepover.

Combine an exciting range of education programmes with mind-challenging fun in Discovery World and the Tropical Forest. Our team can adapt the sleepover programme to fit your class needs.

Terms 1–2

CREATIVE WRITING SLEEPOVERS FOR SENIORS

What stories are crouched in your students' imaginations? Journey across continents and through time to capture the details for creative writing exploits.

Gain inspiration from the literary greats and the galleries of the Otago Museum as your students spend an afternoon, night and morning absorbing the Museum surroundings and composing creative masterpieces.

Curriculum Links

NCEA English
Levels 5–8, Terms 1–2

AT YOUR SCHOOL



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, the consequences of plate movement and the rock cycle.

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

Curriculum Links

Science: Planet Earth and Beyond;
Living World

Social Sciences: Place and Environment
Levels 1–5, Terms 1–4

ANCIENT EGYPT AND MUMMIFICATION

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

While surrounded by constellations inspired by ancient myths, students will gain a greater understanding of the connection between the Ancient Egyptian belief in life after death and mummification. This session will include a simulated mummification ceremony.

Curriculum Links

Social Sciences: Identity,
Culture and Organisation;
Continuity and Change
Levels 1–5, Terms 1–4

Please note outreach programmes incur a cost; enquire with our Education team to discuss further.

STARLAB

Jump on board for our extended Starlab journey. Learn more about the stories behind the stars and the science of space.

This programme features a range of activities inside and outside of Starlab for all keen astronomers.

From Big Bang theory to space travel, students will size up space and learn about their place in the universe.

Curriculum Links

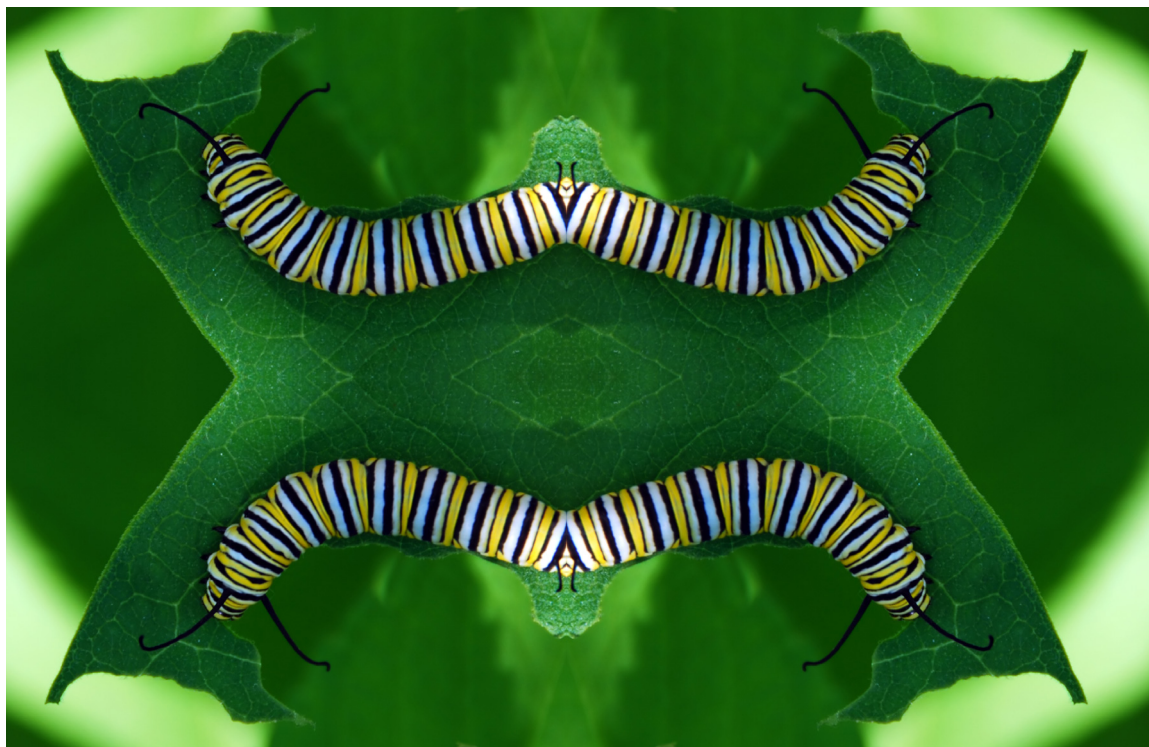
Science: Living World
Levels 1–5, Terms 1–4

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 beneath the soil.



























Curriculum Links

Science: Living World
Levels 1–4, Terms 1 and 4



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	
Lotions and Potions	
Māori Art and Music	
Māori Technology	
Minibeasts	
Multicultural Kiwis	
Nature's Force	
Our Place in Space	
Pre-European Māori Food Gathering	
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



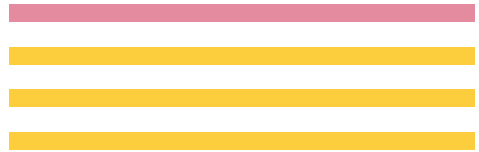
AT-YOUR-SCHOOL PROGRAMMES

Ancient Egypt and Mummification

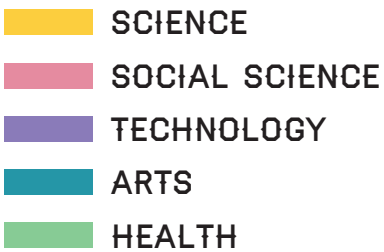
Bug Census

Lay of the Land

Starlab



KEY:



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Closed Christmas Day

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