



# EDUCATION PROGRAMMES 2015

AT THE OTAGO MUSEUM

[www.otagomuseum.nz/teachers](http://www.otagomuseum.nz/teachers)

# CONTENTS

---

## LEOTC EDUCATION PROGRAMMES

3. Introducing the Education Team
4. Understanding the Past and Uncovering the Future
5. Celebrating Cultures
6. Celebrating the Ancients
7. Natural New Zealand
8. Tāngata Whenua
9. Science Discoveries
10. Tropical Forest Programmes
11. Programmes for Secondary Students
13. Special Programmes
14. LEOTC Curriculum Link Summary

---

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](mailto:education@otagomuseum.nz)**

**Visit our website: [www.otagomuseum.nz](http://www.otagomuseum.nz)**

**for downloadable activities and programme information.**

**'Like' the Otago Museum Education Team on Facebook.**

If your topic is not here please ask, as a further range of programmes are 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.



# INTRODUCING THE EDUCATION TEAM

---

**Kia ora tatou,**

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 2015.

Ngā mihi nui,  
*Kim and Kate*





---

## LEOTC GALLERY PROGRAMMES

### UNDERSTANDING THE PAST AND UNCOVERING THE FUTURE

---

#### DEFENCE AND ATTACK

Where there is life, there is conflict. All living creatures have evolved ways to survive and succeed, whether it is 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

**Social Sciences:** Place and Environment; Economic World  
**Science:** Living World

**Levels 1–5, Terms 1–4**

---

#### 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 and 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**

---

#### 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 the inspirational explorers that 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  
**Science:** Investigating Science

**Levels 1–5, Terms 2–4**

---

#### INVENTORS AND INVENTIONS

Behind every great invention is a great problem. Get to the root of some of the 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  
**Science:** Investigating Science

**Levels 1–5, Term 4**

---

#### BUILDING HISTORY

If walls could talk, what would they tell us? Survey the Otago 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 the Museum's H D Skinner Annex.

#### CURRICULUM LINKS

**Social Sciences:** Place and Environment; Continuity and Change

**Levels 2–5, Terms 1–4**

---



---

## LEOTC GALLERY PROGRAMMES

### CELEBRATING CULTURES

---

#### UNDERSTANDING ASIA

Traverse our galleries to discover and celebrate an array of Asian cultures and 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 to awaken and enrich 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**

---





---

## 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 real Egyptian mummy and explore Ancient Egyptian beliefs in the afterlife, their artefacts and their traditions. 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

We all need a hero and Greek heroes set the standard. Join us on a journey through our galleries to find out what it takes to be a hero. Assist Hercules in his 12 Labours and 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**

---



---

## LEOTC GALLERY PROGRAMMES

### NATURAL NEW ZEALAND

---

#### 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. Through the language of geology and processes of palaeontology, your students will 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**

#### 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, to consider ways towards a sustainable future. Enable students to become aware of decisions regarding resource usage, and the possible future consequences on people and the environment.

#### CURRICULUM LINKS

**Science:** Planet Earth and Beyond; Living World  
**Social Sciences:** Place and Environment; Economic World

**Levels 1–5, 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.

**Visit in Term 1 to explore our special exhibition**  
***Bugs: the Mega World of Minibeasts.***

#### CURRICULUM LINKS

**Science:** Living World

**Levels 1–4, Terms 1–4**

#### WILD OTAGO

Jump, swim, dive, waddle or fly into our Nature galleries to explore the wilds of Otago from another perspective. Delve into the vast and varied habitats of our region along with 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**





## 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 the Tāngata Whenua gallery. 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 superb 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 to discover the skills that went into their making.

#### 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**





---

## LEOTC PROGRAMMES

### SCIENCE DISCOVERIES

---

#### **NATURE'S FORCE**

From tsunamis and volcanoes to earthquakes and tornadoes, Mother Nature is a powerful force. 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**

---

#### **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**

**Science:** Material World

**Health:** Personal Health and Physical Development

**Levels 1–4, 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 2–4**

---

#### **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, Term 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 into the phenomena of your choice.

#### **CURRICULUM LINKS**

**Science:** Physical World

**Technology:** Nature of Technology

**Levels 2–5, Terms 1–4**

---

#### **SCIENCE OF LIGHT**

Illuminate young minds and celebrate the International Year of Light 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 1–4**

---

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

---



---

## 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 1–5, Terms 1–4**

---

#### **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 2–5, Terms 1–4**

---

**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**

**Living World**

**NCEA Levels 1–3, Terms 1–4**

### **NCEA TECHNOLOGY**

Explore the worlds of design and construction through a close-up examination of the Otago Museum 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**

**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 the 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 DRAMA**

Need a stimulating space to enhance your students' dramatic experience? This programme explores the theatrical potential of the Museum galleries, giving drama students an opportunity to devise and construct performances based around Museum objects, themes or stories.

### **CURRICULUM LINKS**

**NCEA Drama**

**NCEA Levels 1–3, Terms 1–4**

---

### **NCEA EARTH AND SPACE SCIENCE – ASTRONOMY**

Investigating astronomical cycles and events? Making connections between spatial relationships in astronomy and their effects on space exploration? Enter Starlab for a stimulating introduction or conclusion to your astronomy unit. *Starlab and Beyond* extension activities are also available to expand your astronomical voyage.

### **CURRICULUM LINKS**

**NCEA Science**

**NCEA Levels 1–3, Terms 1–4**

---

### **NCEA HISTORY**

How have historical events shaped our cultural world? Investigate 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**



# SPECIAL PROGRAMMES

---

## SLEEPOVERS

---

**Do you want to give your students an experience of a lifetime, one they will remember and talk about forever? Why not spend an action-packed day and night at the Otago Museum?**

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.



## 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 at the Museum, absorbing the surroundings and composing creative masterpieces.

**CURRICULUM LINKS: NCEA English  
NCEA Levels 1–3, Terms 1–4**



## STARLAB AND BEYOND

---

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.



## ONLINE EXPERIENCE

---

Explore our exciting range of programme options and access helpful pre-visit information through the Museum website at [www.otagomuseum.nz/teachers](http://www.otagomuseum.nz/teachers). Search by keyword, level or curriculum link to find the programme that best fits your theme or focus area. Make your education inquiries online, or contact the Education Team for more information!

# CURRICULUM LINK SUMMARY

PRIMARY AND INTERMEDIATE PROGRAMMES	SCIENCE	SOCIAL SCIENCE	TECHNOLOGY	ARTS	HEALTH
Ancient Egyptian Life and Mummification					
Building History					
Butterflies Abound					
Celebrating the Pacific					
Classical Life					
Cultural Currencies					
Defence and Attack					
Greek Heroes					
Inventors and Inventions					
Lotions and Potions					
Māori Art and Music					
Māori Technology					
Minibeasts					
Multicultural Kiwis					
Nature's Force					
Pre-European Māori Food Gathering					
Rock Solid					
Seasonal Celebrations					
Starlab					
Sustainable New Zealand					
The World of Explorers					
Tropical Ecosystems					
Undressing the Past					
What's in Our Food					
What's the Matter					
Wild Otago					
Wild Weather					

NCEA EDUCATION PROGRAMMES	SCIENCE	SOCIAL SCIENCE	TECHNOLOGY	ARTS	HEALTH
NCEA Evolution					
NCEA Classics					
NCEA History					
NCEA Technology					
NCEA Visual Arts					
NCEA Drama					
NCEA Earth and Space Science – Astronomy					



**Open daily, 10am–5pm**  
Closed Christmas Day

419 Great King Street  
Dunedin 9016

Telephone: 03 474 7470  
Fax: 03 477 5993  
Email: [education@otagomuseum.nz](mailto:education@otagomuseum.nz)

[www.otagomuseum.nz](http://www.otagomuseum.nz)

