

A photograph of four students in a laboratory setting. A male student in the background is looking through a microscope. A female student in the foreground is also looking through a microscope. Another male student is looking at a microscope to the right. A fourth student is partially visible in the bottom right corner, also working with a microscope. The background shows a window with a view of a coastal landscape.

# Deep Thought Extension & Enrichment for Yr 11-12 Students

Zoe Revell-Lynch

This is a five-day programme running over two blocks of teaching, for students who have a keen interest and curiosity in the world around them. Over the course of the programme, students will be working on a research vessel (if Tāwhirimātea permits it) leading their own marine science team project, while being mentored by postgraduate students. This programme is an ideal extension for those who have participated in the NZMSC programmes "Science and the Sea" and/or "Making Sense of the Marine World".

## Participants

- Students who are able and enthusiastic about science, and/or are gifted – not necessarily in the sciences (e.g. have strong leadership and social skills, cultural specific abilities, sporting and/or creative skills). See the criteria on the next page.
- Applicants **MUST** be available for each day of the programme

## Dates and location

- August 1-3 and August 25-26, 2022
- NZ Marine Studies Centre in Portobello, Dunedin. Transport to and from the Centre is the responsibility of the participating students/schools.

## Registration

Fill out the following pages in this order:

- Student and a guardian are to fill out pages labelled *Student Application*.
- A teacher or affiliated adult who knows the student through club organisation, marae, or other education is to fill out pages labelled *Student Profile*, then return the document to the email below.

## Costs

- \$57.5 inclusive of GST per student.

**Be aware, this programme is non-residential due to COVID.**

**Last day to apply: June 26, 2022**

**Submit the application via email to [marine.studies@otago.ac.nz](mailto:marine.studies@otago.ac.nz)**

**For further enquires please contact: [elle.ueland@otago.ac.nz](mailto:elle.ueland@otago.ac.nz)**



# Deep Thought Extension & Enrichment for Yr 11-12 Students

Zoe Revell-Lynch

## Programme Schedule

### Block 1

- Aug 1** 10am - 4pm | NZMSC. Mihimihi. Meet and greet your team and mentor. Prepare and discuss project aim and methods, incorporating kaitiakitanga.
- Aug 2** 9am - 4pm | NZMSC. Full day on research vessel, data sampling and analysis.
- Aug 3** 9am - 4pm | NZMSC. Half-day on research vessel. Afternoon spent with data analysis in the lab at NZMSC.

### Block 2

- TBD** 5pm - 6.30pm | ZOOM. Data analysis and presentation brainstorming.
- Aug 25** 9am - 4pm | NZMSC. Finish analysis. Science communication through academic posters and novel presentations, revisiting kaitiakitanga.
- Aug 26** 9am - 3pm | NZMSC. Project completion. Final presentations and farewell.

**Student details:**

Surname

First name(s)

Gender

Ethnicity

*Address*

Number and street

Town or city

Postcode

Mobile

Email

Email (Guardian)

School

Iwi affiliation(s)

**Have you previously participated in a NZMSC Science Extension programme?****YES****NO****Describe your involvement and/or interest in Marine Science****What school subjects are you most interested in, and why?****Why do you think we should select you for this programme?  
(List/explain the skills and attributes you can offer the team.)**



## NZMSC Guardian Waiver Form

### Programme: Deep Thought 2022

In applying for a place on this programme,

(name of student)

and

(name of parent/guardian) agree to:

Student attendance for all programme dates and activities involved in this programme at the New Zealand Marine Studies Centre (involves time at sea, including ship board work, as well as fieldwork and lab based studies).

Follow Health and Safety procedures as directed from the document, and comply with all directions given by staff.

Give permission for New Zealand Marine Studies Centre staff to act and take responsibility in proxy of a parent/guardian, in the case of a medical emergency. This includes authority to administer and/or obtain medical assistance if considered necessary.

Allow the use of photographs or videos taken during the trip to be used in publications for promotional, reference or educational use. Images may be published in print, video and/or website. Copyright and ownership will rest with the NZMSC or it's representative.

Allow the NZ Marine Studies Centre to retain contact details in order to provide other programme opportunities in the future.

#### Please identify any health/medical conditions

NZMSC holds the right to contact guardians and/or schools if more information is needed to manage a medical condition. Be aware any allergies, medical conditions and/or food preferences should be mentioned in the form as well. **We will not exclude students based on information provided** but will use it to prepare any medical event that might be necessary to manage.

Details of health/medical condition

or N/A

Details of medication /management

or N/A

#### Name of Student:

Signed (Participating Student) Date

D / M / Y

#### Name of parent/guardian:

Signed (Parent/Guardian) Date

D / M / Y

Address:

Emergency contact phonenumber:

# Science Extension and Enrichment Programme

## Student Profile

(To be completed by teacher or other affiliated adult)



Name of affiliated adult  
(and relationship to student)

Signature

Email

School/organisation

Student name

Year level

Areas of strength	<input type="text"/>	
Areas for development	<input type="text"/>	
Particular interests or hobbies	<input type="text"/>	
Reading and writing ability	<input type="text"/>	
Personality traits Give a measure of High, Medium or Low - or comment	Sense of justice	<input type="text"/>
	Sensitivity	<input type="text"/>
	Perfectionism	<input type="text"/>
	Frustration	<input type="text"/>
	Anger	<input type="text"/>

Team Strengths (Indicate student's main role in a team situation by ticking appropriate boxes)	Never	Rarely	Sometimes	Always	
	Leader, chairman style (democratic)				
	Leader, taskmaster style (autocratic)				
	Creative innovator				
	Resource investigator				
	Practical, get the job done				
	Team work facilitator				
	Monitor/evaluator				
	Completer/finisher				
Any further comments					

## Identification methods

Please identify how the student was selected. Please refer to <https://gifted.tki.org.nz/define-and-identify/> for identification information and tools. Tick all that apply, and add comments in the right hand column:

Teacher observation and nomination	<input type="checkbox"/>	
Rating scales (specify)	<input type="checkbox"/>	
Standardised testing (specify)	<input type="checkbox"/>	
Portfolios, performances and auditions	<input type="checkbox"/>	
Parent, caregiver and whānau nomination	<input type="checkbox"/>	
Peer nomination	<input type="checkbox"/>	
Self nomination	<input type="checkbox"/>	
Profiles (specify)	<input type="checkbox"/>	
Other (specify)	<input type="checkbox"/>	