



# All about Pāua Extension & Enrichment for Yr 9-10 Students

This is a four-day programme running over two blocks of teaching, for Year 9-10 students who have a keen interest and curiosity in the world around them. Investigate multiple aspects of a vital kaimoana species, using a research framework that focuses on health and wellbeing while weaving together ecological science and Indigenous knowledge. Students are placed in research teams and each team is mentored by a postgraduate student. This programme will also have online components before and after the first block.

## Participants

- Those 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 dates and criteria for each programme on the next page. Applicants **MUST** be available for each day of the programme.

## Costs

- \$46 inclusive of GST per student.

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

## Location

- NZ Marine Studies Centre in Portobello, Dunedin. Transport to and from the Centre is the responsibility of the participating students/schools.

## Registration

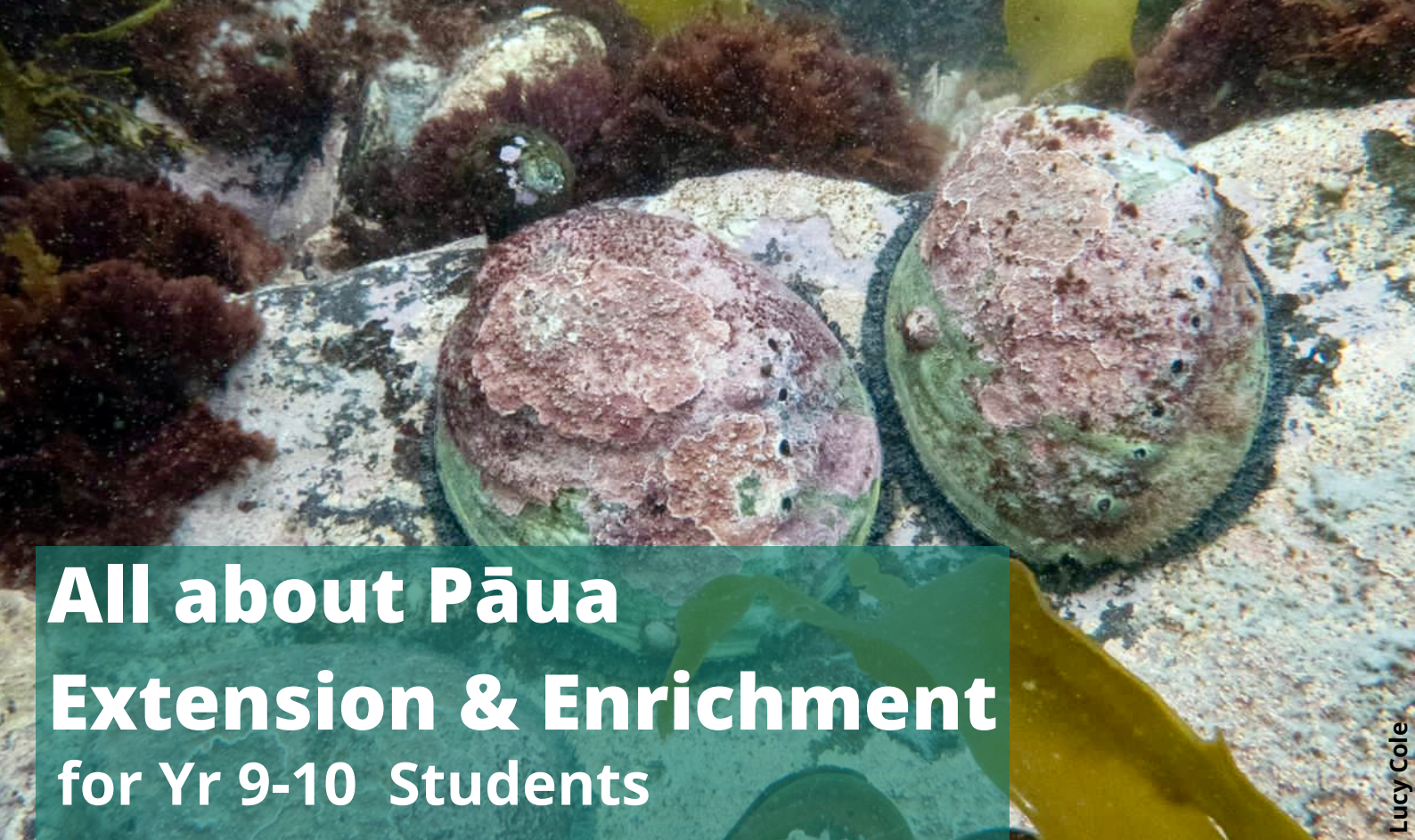
Fill out the following pages in this order:

- 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.

**See criteria and dates on next page**

**Submit the application via email to [marine.studies@otago.ac.nz](mailto:marine.studies@otago.ac.nz)  
For further enquires please contact: [hanna.ravn@otago.ac.nz](mailto:hanna.ravn@otago.ac.nz)**





# All about Pāua Extension & Enrichment for Yr 9-10 Students

Lucy Cole

## Programme 1

Open to Year 9 and 10 Māori students. This programme is an ideal extension for those that have participated in the NZMSC programmes "Te Ara Wai ki te Oranga" and/or "Te Rauawa o te Pahi".  
4 days onsite, 1st block: June 17 and 18, 2nd block: June 30 and July 1, 2022.

Applications close: May 8

## Programme 2

Open to Year 9 and 10 Pasifika students. This programme is an ideal extension for those that have participated in the NZMSC programmes "Mapu Kimi-Ara Pasifika" and/or "Moana Explorers: Stories of Change".

4 days onsite, 1st block: August 16 and 17, 2nd block: September 1 and 2, 2022.

Applications close: July 3

## Programme 3

Open to all Year 10 students. This programme is an ideal extension for those that have participated in the NZMSC programme "Science and the Sea".

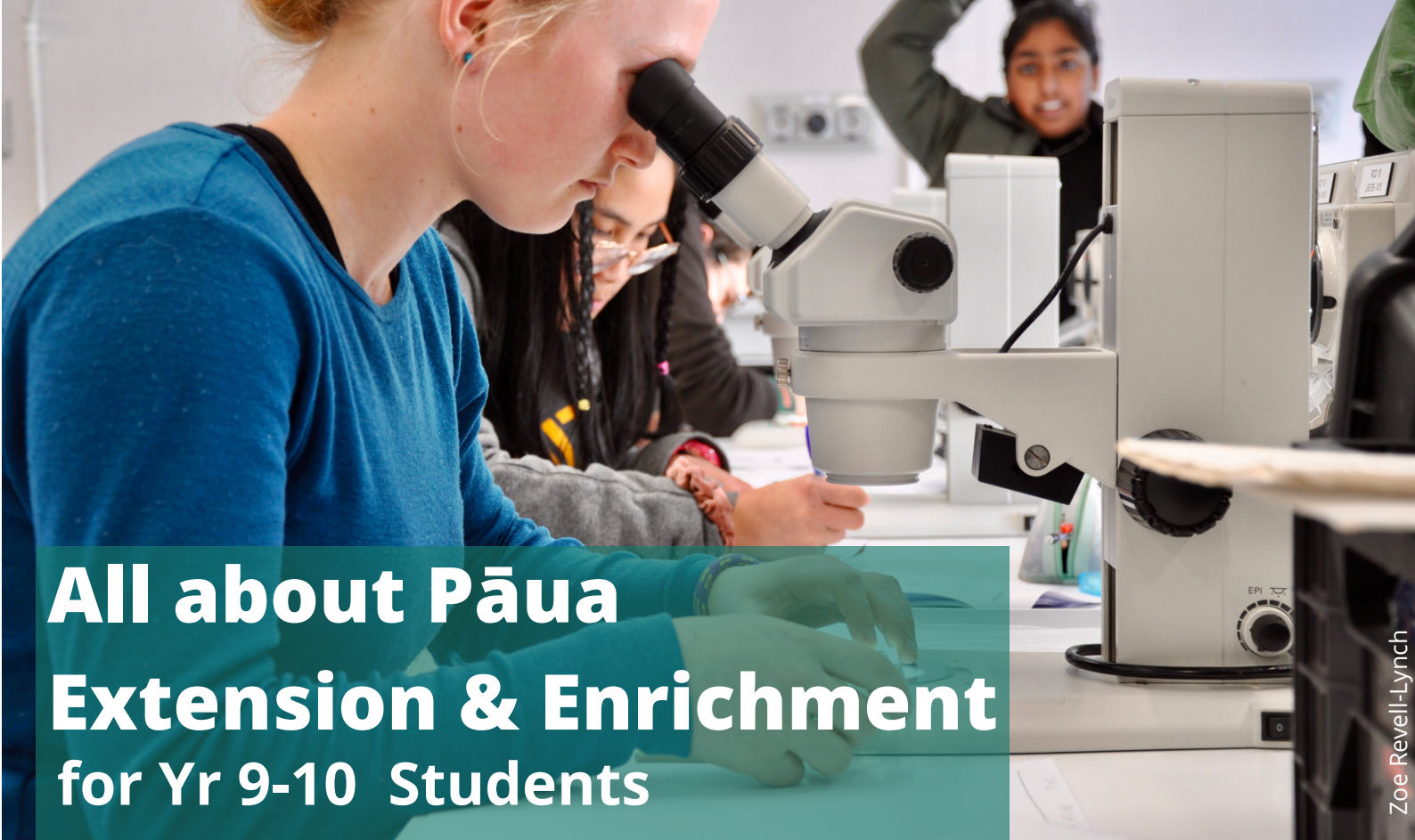
4 days onsite, 1st block: September 14 and 15, 2nd block: September 29 and 30, 2022.

Applications close: July 31

## Location

The first day is in Karitāne with a bus provided from Dunedin Central. The rest of the programme is at the NZ Marine Studies Centre in Portobello where transport to and from the Centre is the responsibility of the participating students/schools.



A photograph of students in a laboratory setting. In the foreground, a student with blonde hair tied back is looking through a microscope. Behind her, another student is also working with a microscope. In the background, a third student is visible, smiling. The lab equipment, including microscopes and a wooden bench, is clearly visible.

# All about Pāua Extension & Enrichment for Yr 9-10 Students

Zoe Revell-Lynch

## Programme Schedule

### Block 1

5pm - 6.30pm | ZOOM. Meet the team and mentor. Prepare and discuss project aim, hypothesis and sampling methods.

9am - 4.30pm | Karitāne. Fieldwork and data collection.

10am - 3.30pm | NZMSC. Sample handling, data processing.

### Block 2

5pm - 6.30pm | ZOOM. Data analysis and presentation brainstorm.

10am - 4.30pm | NZMSC. Finish data analysis, prepare presentation.

10am - 3:30pm | NZMSC. Project completion. Final presentation and farewell.

Please tick which programme criteria and dates apply:

## Student Application Form

Programme 1

Programme 2

Programme 3

### 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 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 for any medical event that might be necessary to manage.

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 work onboard a vessel, 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:**

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 ph. number:

# 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	<table><tr><td>Sense of justice</td><td><input type="text"/></td></tr><tr><td>Sensitivity</td><td><input type="text"/></td></tr><tr><td>Perfectionism</td><td><input type="text"/></td></tr><tr><td>Frustration</td><td><input type="text"/></td></tr><tr><td>Anger</td><td><input type="text"/></td></tr></table>	Sense of justice	<input type="text"/>	Sensitivity	<input type="text"/>	Perfectionism	<input type="text"/>	Frustration	<input type="text"/>	Anger	<input type="text"/>
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
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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"/>	