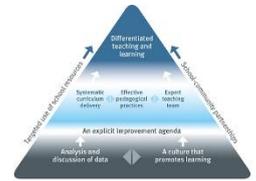


# BE A STEM LEADER

Invest in student, staff and school improvement



## MARINE ZONE – YEARS 7-8-9

[Register Here](#)

### ✓ Differentiate teaching and learning

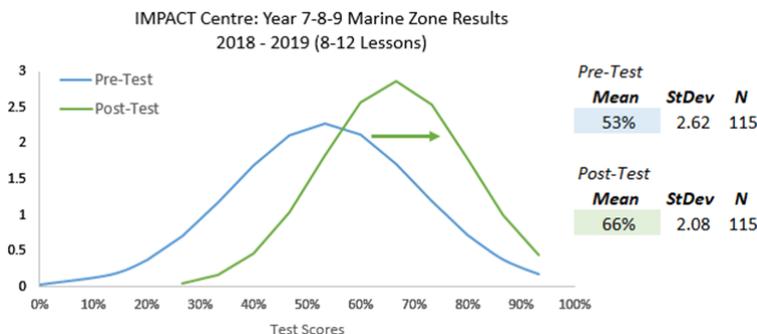
Marine Zone transforms your students into citizen scientists as they examine the ecology of the Moreton Bay catchment area. Your students will:

- develop a rich understanding of scientific inquiry and mathematical investigation;
- be taught by a specialist teacher from the IMPACT Centre;
- build technology skills and confidence for future online learning and assessments;
- enjoy a unique research voyage on-board *Inspiration* with Moreton Bay Environmental Education Centre - additional cost of \$35 per student plus transport.

**NB:** Schools who cannot travel to Manly Harbour can still participate in this course!

### ✓ Improve outcomes

The following graph demonstrates that the achievement of Years 7-8-9 Marine Zone students significantly improved from pre- to post-assessment in 2018-2019.



### ✓ Deliver curriculum

AUSTRALIAN CURRICULUM - Content Descriptors

Science – [AC SIS164](#), [AC SIS141](#),  
[AC SIS170](#), [AC SIS146](#), [AC SHE160](#)

General Capabilities



### ✓ Develop expertise

- We highly recommend that your supervising staff member/s login, learn alongside your students and collaborate with our specialist teachers.
- They develop curriculum, pedagogy and technology expertise, which transfers to their teaching or leadership role.
- Offer the opportunity to a leader, teacher or aide.
- They earn a PD Certificate aligned to AITSL standards – through active participation in lessons and completion of a short online module.

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## Student target group

- Your school determines which students participate – many schools use this program as a differentiation opportunity for mid-high achieving students and/or a signature part of a STEM excellence/extension program.
- Teacher judgement and student interest in the topic should assist selection.

## Assessment and reporting

- Assessment involves a pre-test to provide diagnostic data, a post-test to measure distance travelled, an investigation template and Captain's Log portfolio.
- Your school receives a written report containing pre- and post-assessment results, attendance data & survey feedback. You also receive report card comments (OLA).

## Course outline

1	Inspiring introduction to <i>Marine Zone</i> and online learning skills
2	Scientific inquiry skills and introduction to the eLearn environment
3	Pre-test, interpreting data skills
4	Introduction to Moreton Bay – past, present, future
5	Evidence, types of data, presenting, organising and interpreting data
6	Planning investigations – fair testing and variables
7	Field trip briefing, analyse and interpret data from previous field trips
8	Research Field Trip – Manly Boat Harbour (no web conference)**
9	Determine patterns, trends and anomalies, draw inferences
10	Evaluate scientific process, draw evidence-based conclusions
11	Post-test, eLearn activities
12	Review, consolidate and extend on project learning. Celebrate success

## Timetabling, group size and costs

- Students participate in 1 x 60 min web conference lesson per week for 12 weeks.
- We negotiate the timetable with you - nominate 2-3 preferred times.
- 3 x 12 week rounds run across the year - *Marine Zone* is available in Round 2 only.

Round 1: Feb 3-May 22				Round 2: May 25 – Aug 28				Round 3: Aug 31 – Dec 4			
Feb	Mar	Apr	May	May	Jun	Jul	Aug	Aug	Sep	Oct	Nov
Not Available				Available				Not Available			

- 14-15 students from your school form an online group.
- Round 2 cash option is \$4300 per group of 15 students.**
- Marine Zone* involves an additional excursion charge of \$35pp plus transport.
- You can involve a full class of 28-30 students – this is classified as 2 groups.
- We operate on a cost recovery model – invest a small fraction of FTE or cash.
- Your school is investing in the time of a specialist teacher who works directly with your students and staff and is employed by the Department of Education.
- Consider using FTE, [Investing for Success](#) funds or internal school budgets.
- See [How it works](#) and [Investment options and costs](#) for specific details.



## STEM SUCCESS

**STAFF:** The enthusiasm and engagement of the students was excellent as the online teacher was clearly experienced and well prepared. The lessons were mix of teaching, learning, interactive tasks and a certain element of 'fun'. The students really took to the notion of being Citizen Scientists and outside of the program, they were discussing the negative impact humans have on our environment and what they can do to improve this.



**STUDENT:** What I have learnt on this marine zone project is that I now have a clearer understanding of the scientific method of investigation and organising and presenting data.

**STUDENT:** I've enjoyed the experience of learning biology differently. Instead of being in a classroom it's on a computer, it's more fun and more interactive. Plus I talk to my friends and family about how good this is.

[Register Here](#)

[How it works](#)

[Investment options and costs](#)

[View all programs](#)