

# Te Kāhui Mātauranga o Puke Ariki

# Pre-visit information

**Reef Alive!**  
**NE to Year 10**  
**Term 2 – 4 2021**



Credit: Triplefin. Photographer Kevin Bone (2020).

Various unmapped rocky reefs are dotted throughout the South Taranaki coastal and marine environment. One reef in particular, 11 kilometres from shore and 23 metres deep, has captured the attention of a team called *Project Reef Life*. They work with marine scientists and have adopted a range of scientific techniques and purpose-built technology to investigate the reef. This reef is a bustling environment, as beautiful as it is abundant. From blue cod to kōura, sea sponges to conger eels, the reef is teeming with ocean life.

*Reef Alive!* Is the new and expanding exhibition space in the Taranaki Naturally Gallery of Puke Ariki. It includes a make shift laboratory, replica boat and diorama of sea life. The hands-on lesson gets students to conduct experiments to identify the animals that live in, on and pass by this unique offshore reef.

As an extension each class will have a discussion on some of the global environmental issues affecting our oceans and explore ways we can better protect them.

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Puke Ariki provides Learning Experiences Outside the Classroom supported by the Ministry of Education

**Puke Ariki**



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## New Zealand Curriculum links:

**Social Sciences:** This topic covers elements of Social Studies Levels 1-5.  
**Science:** This topic covers elements of the Nature of Science, Aspects of Understanding about Science (Living World, Ecology) Levels 1-5.

## Key Questions

- Where is 'Project Reef'?
- What are the common life forms on 'Project Reef'?
- What are some of the challenges conducting research in the ocean at 'Project Reef'?
- What kinds of research are being conducted on the reef?
- Which parts of Taranaki's marine environment are in some form of protection?
- List some of the threats facing our oceans and coastal environments?
- How do we help the oceans?

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