

[Version 1.3 – 2024]

## OVERVIEW

Aotearoa New Zealand is often seen as an innovative & enterprising world leader in fisheries.

In this set of slides we look at several local and global examples of innovative approaches to seafood production and supply chain.

See also slide set [Exploration, Innovation & Enterprise](#) and the [Review](#) slide set.

## FOCUS QUESTIONS

- *What role do enterprise, innovation and exploration play in growing fishing businesses?*
- *What new words and concepts have we learnt?*

## LEARNING OBJECTIVES

- Explore the role of enterprise, innovation and exploration in growing fishing business
- Use scientific and fishery management related vocabulary

## LOCATION

Indoors

## DURATION

45 mins +

## LEVEL

Level 3 - 5+

## CURRICULUM

Science, Social Science,  
Tikanga-ā-iwi,  
Geography, Pūtaiao,  
Hauora

**Key competencies:** Thinking;  
Managing Self; Relating to  
others

## NEXT STEPS

- Taking Action, Values,  
Choice & Responsibility



## MATERIALS

- Slide set [Exploration, Innovation & Enterprise](#)
- Slide set [Reviewing key concepts](#)
- This [Teacher Outline](#)
- Internet access for readings and film clips
- Something to write with

## PROCEDURE

### [Exploration, Innovation & Enterprise](#)

1. EXPLORE the meaning of key terms [slide 28]
2. REVIEW examples of innovation, exploration and enterprise in Aotearoa fisheries by WATCHING [Sustainable Oceans & Seas](#) [slide 29]
3. Take the Kahoot QUIZ to test understanding of film content [slide 29 teacher notes]
4. INVESTIGATE examples of innovation, exploration and enterprise in the current Aotearoa seafood industry by WATCHING [Innovation – we’re fishing smarter](#) [slide 30]
5. As a homework or extension activity: INVITE a Kaumātua or grandparent to visit and get them to talk about how fishing has changed over time and what measures have been used locally to reduce impacts on marine habitat and sea life [Teacher notes slide 30]
6. INTERVIEW or SURVEY one or more member of your whānau, family or community about their fishing practices (can adapt questions from slide 30)
7. READ about innovations and use of technology in the [Southern Ocean](#) to reduce bird bycatch [slide 31]
8. WATCH film about the new innovative fishing method [PSH](#) and explore how this new technology will impact on fishing [slide 32]
9. READ about [Better Fishing’s](#) innovative approach [slide 33]
10. WATCH this short film about [Gravity Fishing’s innovative approach](#) to their supply chain [slide 34]
11. WATCH the short film about [Lee Fish](#) and CONSIDER how innovations they have used to grow their business [slide 35]



12. DISCUSS Callaghan Innovation and their recent award to [BlueTide Aquaculture](#) [slide 36]

**Reviewing key concepts**

13. WRITE about what you have learnt in this topic using the words provided [slide 37]

## KEY WORDS

Innovation

Enterprise

Exploration

## CURRICULUM LINKS

### **Nature of Science (Level 3-5, 6+)**

- Participating and contributing

### **Social Science (Level 3-5)**

- Understand how the ideas and actions of people in the past have had a significant impact on peoples lives (level 5)
- Understand how people have sought economic growth through business enterprise and innovation (Level 5)
- Understand how exploration and innovation create opportunities and challenges for people, places and environments (Level 4)

### **Geography (Level 6, 7, 8)**

- Geographic research
- Contemporary New Zealand geographic issue
- Geographic topic at a global scale
- Application of geographic concepts



### Pūtaiao

- Uses of Science: Learn about the people and the work they do to produce science knowledge. Apply knowledge of science to community decisions and actions, in order to think about iwi and wider issues impacting on the individual, society and the environment (Level 4+)

### Tikanga ā iwi

- Explain how exploration presents opportunities and challenges for people, places, and environments
- Explain how and why people use resources differently, and the consequences of this.