

The Golden Bay High School Aquaculture Academy (GBHSAA) is a joint initiative between Golden Bay High School (GBHS) and the Marine Farming Association (MFA).

This initiative creates an opportunity for the aquaculture industry to have a positive input into the Golden Bay community through the development, sponsorship and ongoing support of the Aquaculture Academy.

The aquaculture industry is a large and growing contributor to the regional economy in Golden Bay and requires a skilled workforce. GBHS and MFA recognise the need for relevant aquaculture training to enable students to take full advantage of the opportunities created within the aquaculture industry.

It is envisaged that the Aquaculture Academy will create a positive learning opportunity for students at GBHS. Students will be exposed to the aquaculture industry through a practical course within the curriculum framework. The course includes aquaculture and environmental subjects.

The aquaculture course will be run from the Science Department at GBHS and will include field work (both freshwater and marine farming) with support from local aquaculture businesses.

The current year 11 students are studying aquaculture as part of their science course. In 2015 there will be a dedicated aquaculture course for year's 11 & 12; this will enter a more advanced phase in 2016 by which time there will be three year classes.

- 2014 – year 11
- 2015 – year 11, year 12
- 2016 – year 11, year 12 and year 13

#### Funding

Funding will be partly provided by participants in the Golden Bay aquaculture industry through sponsorship. This sponsorship will include work experience, equipment, transport, spat and the donation of mussel farming lines in Golden Bay, including the gear required to set up and manage these lines.

It is anticipated that the Aquaculture Academy will be self-funding through the gifting of mussel lines in Golden Bay

All funding provided for the Aquaculture Academy will be ring fenced for use of the Science Department.



## Golden Bay High School Aquaculture Academy's Mission Statement

To develop and provide a relevant and inspirational aquaculture course for years 11, 12 & 13 students that helps to deliver on the GBHS curriculum requirements.

# Career in Aquaculture?



Aquaculture - it can offer  
you so much more than  
you ever imagined



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# Career Options for Aquaculture

## Skipper

The skipper (captain) of a marine farming vessel has an important role. The skipper ensures both the safety of the crew and vessel as well as to ensure all food safety and environmental standards are maintained. The skipper is required to hold Maritime New Zealand certificates relative to the size of the vessel

## Deckhand

The deckhand on a marine farming vessel undertakes various activities such as seeding crop, cleaning farming equipment and harvesting products. Qualifications for deckhands are available and are part of the progression to a skippers position

## Farm Assistant

Farm assistants on sea cage farms are responsible for farm husbandry including feeding, net cleaning and mortality collection. Farm assistants can also be divers who work in and around the sea cage operations. Divers are required to meet Aquaculture Diving Standards

## Farm Manager

A farm manager is responsible for the day to day operation of a marine farm. This includes Occupational Safety, staff rosters, farm budgets and other matters relating to navigational aids and environmental monitoring

## Marine Science

Marine Scientists are often attached to aquaculture farms. Their main role is stock health, water quality and environmental management. Most marine scientists have a university degree and have experience in fish husbandry

## Seafood Processor

Most aquaculture products in New Zealand are required to be processed in Licensed Fish Receiving Plants (fish processing factories). These factories require a high standard of hygiene. Unit standards in seafood are attainable through work place training



## Food Technologist

Food Technologists research new food products and develop ways to produce and improve the quality of these products. Also they develop and improve the processing, packaging, storage, and safety of food in accordance with government and industry standards.

## Processer Supervisor/Manager

All processing factories have a manager who is responsible for staff training, safety and supervision. Budget management is also the responsibility of the Processing Plant Manager. Hygiene and food safety is a critical responsibility of the Processing Factory Manager

Former Golden Bay High School student Vaun Shearer (pictured) says 2011 has been one of the best years of his life.

“I’ve been studying the Diploma of Aquaculture at Nelson Marlborough Institute of Technology and it’s been great – even better than I expected with heaps of hands-on learning.”

“It was the best decision I ever made to apply for the scholarship and I hope others will follow my example.”

“My message to other school leavers is, if you like aquaculture, go for it.”

