



# New Zealand Maritime Museum HUI TE ANANUI A TANGAROA

## Floating & Sinking

**What makes an object float?**

**What makes an object sink?**

**How does shape, weight or density affect an objects ability to float?**

**What materials float better than others?**

### Programme overview

This popular hands on science programme is set amongst all our museum galleries. During your visit students will take part in a fully programmed timetable including:

An Educator- led workshop where students develop a vessel that floats and adjust it to suit cargo. Your students will explore why some objects float and some sink. They will have opportunities to explore concepts such as buoyancy, displacement, volume and density. Our galleries will support their discovery of a variety of vessels for different purposes.

A self-guided trail to discover the many boats in and around the museum. What purpose were they built for? What were they built of? What shape or design features work best? Students will work in small groups, led by their adult supervisors, to follow their own interests and learn at their own pace.

Please talk to our Educators when booking about additional learning experiences including:

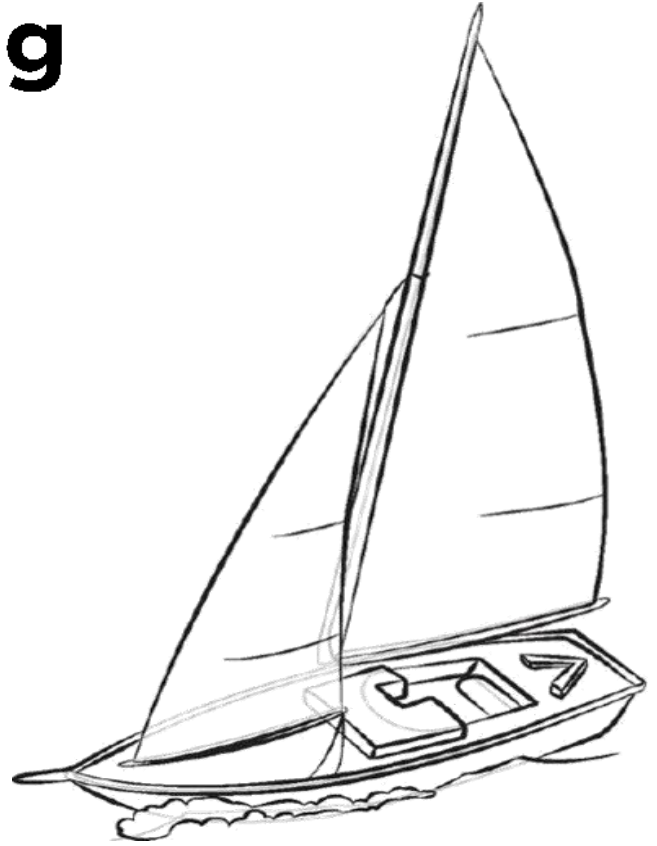
- A sailing experience on the harbour on our heritage vessel Ted Ashby (subject to availability)
- Auckland Waterfront Experience
- Stepping on board a waka hourua (subject to availability)

**To book Complete an enquiry form on our website:**

<http://www.maritimemuseum.co.nz/education/education-enquiry-form>

**Email** [bookings@maritimemuseum.co.nz](mailto:bookings@maritimemuseum.co.nz) **OR**

**Phone the Bookings Team** 09 373 0807



### Curriculum links

**Science:** Nature of Science  
Physical World  
Material World

**Technology:** Knowledge & Understanding  
Technology and Society

**Key competencies/essential skills:**  
Participating, Thinking,  
Contributing, Relating to  
others, Co-operation,  
Communication, Problem  
Solving

### Organisational Details

**Class Level:** Suitable for years 1-6  
**Group Size:** Maximum 3 classes per day  
**Availability:** All year  
**Cost:** \$5 per student  
(\$10 if sailing included)  
All adult supervisors FREE