



Floating Classroom on board Discovery Yacht Eaglewings II

30 July 2019

As an after-school activity for the Service-Learning Club, students from the Nan Hua High School joined us for a Floating Classroom session on board Discovery Yacht Eaglewings II.

The session was facilitated by Ms Sam Shu Qin and Mr Kikuzawa Yuchi Preslie from the Tropical Marine Science Institute, National University of Singapore. The lesson objective of the floating classroom was to clarify the concepts, causes and impacts of climate change on the marine environment and especially on corals.

In short, climate change = ocean change. Increased greenhouse gases from human activities result in climate change and ocean acidification. Amongst other factors, climate change causes a reduction in pH levels in the ocean which decreases coral growth and structural integrity. Despite all these challenges the message was not all doom and gloom.

The students were surprised to learn how vibrant Singapore's reefs still are. Researchers have found that there are more than 250 hard coral species, more than 100 reef fish species, more than 10 shark species in Singapore and so many other marine animals waiting to be discovered. Motivation indeed to do our best for the marine environment.

Besides the simulation hands on activities on the science of ocean acidification and coral bleaching, the students were also shown and informed of the live coral in the marina's water.

Thanks to Eaglewings II for providing such a unique opportunity to the students and for the generous refreshments and snacks at breaktime.

Expedition Gallery

[Partner sites](#)

Nan Hua High School: <https://nanhuahigh.moe.edu.sg/>

TMSI, National University of Singapore: <https://www.tmsi.nus.edu.sg/>

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