

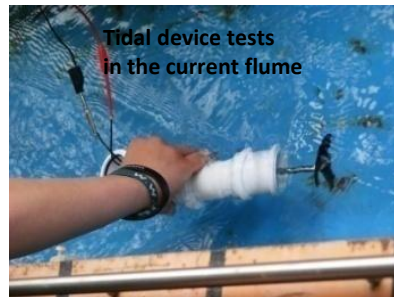
Introduction

- We present a one-day outreach workshop run for final year high school students
 - The topics focus on Coastal Engineering and Marine Renewable Energy.
 - The participants have been selected for the Headstart Programme
- For further information visit: www.etrust.org.uk/headstart.cfm.

Marine Renewable Devices – Hands-on session

Prototype design and testing:

- Heave device,
- Oscillating water column device
- Tidal energy device.



Workshop content:

- Introduction to marine renewable devices
- Hands-on session: prototype design and testing
- Keynote lecture on coastal processes and structures
- Boat trip to Plymouth Sound.



Coastal Engineering – Keynote lecture and Trip around the Plymouth Sound

The boat trip is very informative in illustrating and explaining how Coastal Engineering had been used from Elizabethan to Napoleonic times to develop and protect the Plymouth Sound.



The breakwater in the Plymouth Sound

The Future: COAST (Coastal, Ocean and Sediment Transport) Laboratories @ Plymouth

From September 2012 Plymouth University will have state-of-art experimental Facilities: an ocean basin, a coastal basin, and a sediment wave flume

Participants' and Organisers' Feedback

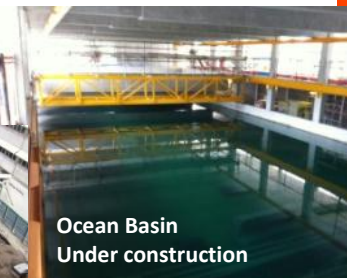
- "A very different student experience and something the University is to be commended upon." – Joe, programme supervisor
- "'Fun' is a word regularly used by students of the Headstart course, but 'stimulating' and 'inspirational' are just as common." – Chris, programme supervisor
- "Very enjoyable as well as enlightening about Engineering" – Participant
- "Great atmosphere and great staff. Thanks very much!" – Participant



New facilities design



COAST Labs Under construction



Ocean Basin Under construction



Coastal Basin under construction

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