



# EDUCATION

for



**SEAS  
YOUR  
FUTURE**

# Environmental Sustainability

## Project Ocean Awareness

Our Scientists in Residence aboard are mostly young people on the path to become marine scientists:

- they carry out their own projects and involve our trainees in their research
- they collect data for Citizen Science programmes with the help of trainees
- they are good at outreach and inspire curiosity and connection

Scientist in Residence 2022 reports can be found [HERE](#)

SiR Olivia Yorke-Dunne deploys a Secchi Disk



## Project STEM at SEA

Science, technology, engineering and maths come alive at sea:

- wind and waves link our experience to meteorology and climate
- we use block and tackle to set sail
- we explore the ocean ecosystem
- we tackle marine litter and discuss sustainable choices
- wind power is around and with us
- statistical analysis and quality control are key to data interpretation

Fascination zooplankton under the microscope



## Citizen Science

Our Scientists in Residence introduced trainees to a range of Citizen Science projects and oversaw the data gathering:

- Collectively, trainees undertook dozens of sky observations of cloud cover and type, from stratus and cumulus to cirrus, for [NASA GLOBE Observer: Clouds](#).
- Xxx hours of surveys of marine mammals in the Irish Sea provided records of presence and absence along line transect to the [Sea Watch Foundation](#). A spectacular display of repeated breaching by a humpback whale in the Irish Sea concluded our first survey in April - a great start!
- We scanned the shores for evidence of non-native species in support of the [Marine Invaders project](#) of the Marine Biological Association of the UK.
- Our sightings of seabirds (auks, tubenoses, gulls, petrels, gannets) were entered into the [Bird Track](#) app of the British Trust for Ornithology.
- We cleaned beaches in Wales, England, Scotland and Ireland, recording each item of litter for the [Marine Conservation Society](#).

