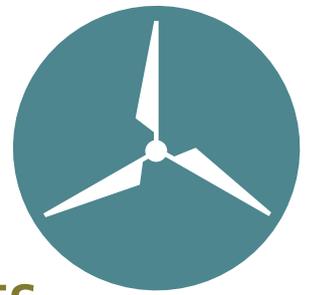


making physics matter



Coastal Energy: research projects

Does it matter whether electricity is produced using coal, oil, gas, nuclear or renewables? Many of these fuels have a harmful effect on our planet and environment. However, we are on a journey of energy transition towards net-zero by 2050.

Coastal Energy 2021

Coastal Energy 2021 is a project-based programme providing the opportunity for students (16-18 years old) to learn more about coastal energy and the UK's journey from fossil-based energy production. A bursary of up to £300 is available for each project which will support young people to develop skills to help them in their future careers and will raise awareness of opportunities in local industry. The projects can be submitted for a silver or gold CREST award – a silver project would require 35 hours of work and a gold project 70 hours.

There will be up to four project briefs to choose from and each will be supported by a host company and industry experts who will be available for mentoring during a three-week period in July. The Ogden Trust and EEEGR, representing the wider energy supply chain, have worked together with the companies to develop projects focused on coastal energy, including offshore windfarms and nuclear power.

VATTENFALL

SCOTTISHPOWER RENEWABLES

James Fisher Subtech

Sizewell C
Doing the power of good for Britain
EDF CGN

EEEGR
EAST OF ENGLAND ENERGY GROUP

The programme will run online using the Nuffield Research Placements platform. Students will take part in pre-project modules provided by Nuffield which will help develop transferable skills such as research, communication, problem solving, creativity, and data management. In June, students will select their preferred project; there will be three weeks of intensive support and mentoring in July, as well as further videos and supporting material on the Ogden website to help students develop and deliver their project.



To be eligible for a bursary, students will be expected:

- to complete all of the pre-project modules
- to participate in the online classroom and mentoring activities during July
- to behave in an appropriate manner
- to try their hardest, and to ask for help if needed
- to complete and submit their project to the best of their ability

The final projects should be submitted for a silver or gold CREST award – a silver project requires 35 hours of work and a gold project 70 hours. Students will need to say which award they will be working towards, although this can be changed when the project is submitted. Projects should include:

- Identifying your project question
- Planning and undertaking research
- Participating in live sessions/mentoring
- Identifying and exploring in greater depth areas that are of interest to you
- Presenting your personal analysis to highlight your learning and draw conclusions
- Preparing and submitting your report



Enter your project for a CREST Award

Hard work deserves a reward! This project work has been devised to link with the CREST award scheme, which can be used by students to enhance UCAS personal statements and is recognised and respected by universities and employers. You can use your project to help demonstrate your STEM skills and knowledge; it will also demonstrate your ability to prepare a brief, research, analyse, draw conclusions and present your findings.



Please look at the criteria, guidance and structure for a CREST award to help you plan, develop and complete your project. When you start your project, sign up for a free CREST account. If your project meets the criteria, it can be submitted for the silver (35 hours) or gold (70 hours) award.

- **Log in to your CREST account**
- **Select the project, upload a profile form and other project evidence**
- **Check that you have met each of the criteria**

If you attend a school or college that is usually involved in the Ogden Coastal Energy Internship programme you will be able to get a code to cover the cost of your CREST submission – please contact your college champion.