

	Implementation schedule	Physically/re motely	Contact hours	Autonomous work for students (max hours)	Learning outcomes
Activity 1	Meet at SETU, introduction to the research and site visit to be held	Physical	1	2	Develop foundational knowledge of the activities to be conducted during the hub
Activity 2 16th May	Microscopic Marvel on the shore for European Maritime Day With the Explorers Outreach Team on Tramore Strand at 11am on the 16 th of May, learn about phytoplankton species and the microscopic marvels that help support all life on our planet. Fun interactive games and seashore challenges will be used to reveal the wonders of these tiny seashore lifeforms. We will explore the tools scientists use to study phytoplankton and provide attendees with information on how they too can get involved in collecting scientific data and becoming an active citizen. A special phytoplankton themed sand sculpture challenge will finish off the session	Physical	4	2	Develop an understanding of the role of phytoplankton in marine ecosystems, explore scientific methods used to study microscopic life, and encourage participation in citizen science through interactive coastal learning activities.

Activity 3 17th May	<p>Fossil Bingo Urban Walking trail -Meet at 11am on 17th May at the historical Reginalds Tower in Waterford city centre. Join the Copper Coast Geologist to explore records of ancient life preserved in Waterford’s footpaths and buildings in this walking trail.</p>	Physical	2	2	<p>Identify and interpret fossils found in urban environments, developing an understanding of geological history and how ancient life is preserved within everyday materials such as stone used in buildings and streets</p>
Activity 4 During week of 18th-22nd May	<p>Native tree trail walk at Carriganore campus – explore native Irish tree trails. SETU Carriganore campus</p>	In person	2	5	<p>Develop knowledge of native Irish trees and the biodiversity they support</p>
Activity 5 19th May	<p>Explore Biodiversity at the Carraghmore estate in a guided session led by Dr Liam Lysaght, Irelands National Biodiversity Data Cenbtre</p>	In person	2	4	<p>Learn about biodiversity monitoring and good practices on a large estate rural setting</p>
Activity 6 20th May at 9.30am or 11.30am	<p>Branching out- a leafy adventure. Explore the wonderful world of leaves! From the tiny veins that carry water, to the way trees use sunlight to “eat”, we’re diving into the science of the forest. We’ll look at cool patterns, identify different tree friends, and learn</p>	In person	2	2	<p>Understand the structure and function of leaves, including photosynthesis and water transport, while developing skills in tree identification and recognising the role of trees in producing</p>

	how trees give us the oxygen we breathe!				oxygen and supporting ecosystems
Activity 7 22 nd May at 10am	Eanna Ni Lamhna : Wonders of the Wild. Éanna Ní Lamhna (author of The Great Irish Biodiversity Book) will talk about Wonders of the Wild. She will talk to groups of pupils about Irish Biodiversity and all the wonderful things that Irish Wildlife do	In person	2	2	Develop an awareness of Irish biodiversity and the behaviours of native wildlife, fostering an appreciation of the importance of conserving Ireland's natural habitats and species.
Activity 8 20 th May 7-9pm	Attend the Pint of science festival where in a social Irish pub (Woodman Bar Waterford), learning about science and research where attendees give a short outline of their research and scientific background	In person	2	2	Learn about science from researchers in a social non formal environment
Activity 9	Presentation preparation and delivery via recorded presentation	Remotely	4	10	Develop and refine presentation skills.
Total Hours			21	31	