Ocean Acidification: Science	P5-7
Pupils learn about the impact of carbon dioxide on our oceans and shelled life. They look at simple chemical equations and pH/acidity. Note, this lesson does use some resources not commonly found in classrooms (pH paper, shells, vinegar, and a scale that weighs to at least one decimal place).	
SCN 2-19a, TCH 2-06a, SOC 2-08a **Plans and designs scientific investigations and enquiries.** **Carries out practical activities in a variety of learning environments** **Investigates and records chemical changes to the properties of materials which are irreversible** **Expresses informed views about scientific and environmental issues based on evidence.** **Analyses, interprets, and evaluates scientific findings.**	**Extension Activities:** Learn about pH: https://www.bbc.co.uk/bitesize/articles/z38bbqt Research or discuss ways we can live more sustainably such as the circular economy, renewable energy, reducing resource use. Learn about climate change e.g. workshop 4 https://www.carboncentre.org/a-sense-of-place Create a comic strip or story about a child realising their actions, such as littering, has an impact on the environment.
Learning Intentions **We are learning to investigate a real life problem** **We are learning to draw conclusions from an experiment** I can make assumptions about what results a scientific experiment will have I can write down accurate weights including decimal points and correct units of measurement I can discuss how my results could relate to the real world	
Key words Acidity/pH Carbon Dioxide	 UNCRC 24, 28, 29