



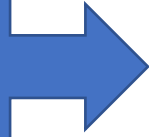
"Inspiring minds to ignite lifelong learning"



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Science at Onchan

Onchan School Key Drivers



Outdoor Learning

Outdoor learning is an intrinsic part of scientific thinking and exploration. There are clear links to life and living processes which can be explored using the environments available to us within our locality.

Blended Learning

ICT is used to research and record learning throughout the children's time at Onchan

Big Question Examples

What is responsible for the creation of the variety of animals, humans, creature, and plants?
Do we need such a variety of humans?
Which is your most important sense and why?

SDGs

SDGs 3, 6, 7, 11, 12, 13, 14, 15,

Intent – What are our aims?

At Onchan School, we aim to inspire pupils' curiosity to know all about how the world works, while developing a positive attitude to Science. We encourage children to explore, observe and ask questions while developing a scientific approach to solve such questions. Lesson planning should encourage children to apply scientific skills and knowledge to other areas of the curriculum and recognise its potential in everyday life. Teaching should equip pupils to think critically and promote independence and collaboration through enquiry-based learning.

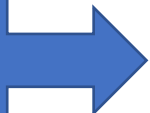
Implementation – How are we working towards our aims?

At Onchan School, Science is taught using both knowledge-based and scientific enquiry skills. Throughout the year, each half term will bring a new theme of scientific learning. The use of big questions should give children the opportunity to research, make links in learning and the develop high quality, enhanced scientific curiosity. Investigations are a crucial part of scientific learning; children are to plan and complete at least one scientific investigation each half term while working towards becoming more independent as they move through the school.

Impact – How do we know when we have achieved our aims?

At Onchan School, we will see high levels of engagement, enjoyment, and enthusiasm during science lessons. Children learn through both practical and concept-based learning. There is an increased progression of investigations from Years 1 to 6, with children becoming more independent and developing their own scientific questions. SDGs are an active part of lesson planning and children will be able to refer to them within lessons.

Extra Opportunities at Onchan



At Onchan School, we are fortunate enough to have Molly Quirk's Glen and Onchan Wetlands that we utilise to make lessons and learning "hands on". Opportunities are made for the Manx Wildlife Trust to come into school to deliver specialist teaching as well as 'Young Engineers' who work with multiple KS2 year groups as part of inauguration into STEM.