

**National Trust for Jersey's
environmental education
programme
autumn-winter 2024/2025**



National
Trust Jersey



Jersey Electricity

Contents

- Introduction P3
- Environmental workshops & activities P4
 - Biodiversity workshops P5-6
 - Seas workshops P7-8
 - Pollinators workshops P9
 - Woodlands workshops P10-11
 - Climate Change workshops P12-13
- Appendices:
 - Example of school workshop P14

Introduction

- The National Trust has extensive experience in delivering environmental education over many years.
- One of our core aims, together with our partners, Jersey Electricity, is to address the global climate change and biodiversity crisis that we are currently experiencing at a local level.



- The National Trust has appropriate, safe sites and locations to deliver a wide range of educational activities at Le Moulin de Quétivel, the Wetland Centre, Victoria Tower, and in its various woodlands, wetlands and coastal sites around the Island.
- Our Education Officers, Josh Feldman & Erin Cowham, are experienced working in an outdoor learning environment with children and young people, and have coordinated many conservation projects for the Trust whilst working with groups of volunteers. Josh and Erin have both undertaken advanced Forest School training, and Climate Change education accreditation through the UN.
- Together, the Trust and JE aim to help educate local children and young people on current key environmental issues and those they are likely to face in their futures, to empower and inspire them to become agents of change.
- We believe our programme reflects the CYPES COP26 pledge to identify key climate change training resources and develop a training plan for schools. Using our already established environmental education programme and building on the partnership with Jersey Electricity, we aim to meet our joint goals by offering environmental education and resources to support teaching and learning.

Environmental education

workshops and activities

- These workshops have been designed to explore five themes:
- Biodiversity, Seas, Pollinators, Woodlands and Climate Change; and we invite teaching staff to choose **three** activities within these, so that your students will **learn** about the theme and the threats to it, **explore** the topic and **take action** to make a difference.
- They are intended to have a duration of 90 - 120 minutes. See Appendix for example of a Woodland Workshop.
- We are happy to discuss booking one or two of the workshops' activities as standalone ones to suit your class' learning needs.
- We still offer the Woodland Wonders sessions to younger school groups, please see the Woodlands workshops for suggested activities.
- In addition to a number of science and geography curriculum links (relevant areas listed in activity details), these workshops teach students the 'importance of respecting and protecting the environment' under the Living in the wider world section of the Jersey PSHE curriculum.
- In recognition of the importance of environmental education and to ensure price is not a limiting factor, we now offer our schools education programme **free of charge** to school and home-schooled children*.
- Please contact Josh or Erin at education@nationaltrust.je to book and for further details. We have listed the optional activities under each session header and are happy to discuss how these can be adjusted to suit your class'/ curriculum requirements.
- Activities available Monday – Friday 9.30am – 3pm

*Please note that charges may be applicable for smaller class sizes/ more bespoke activities.

Biodiversity workshops



Rich biodiversity is essential for life as we know it on this planet and is sadly facing a number of threats. It provides the food we eat and cleans our water and air. Sadly, all is not well for Earth's biodiversity, as we are losing animals' homes and species at a very fast rate. By completing some of these activities, children will have a chance to understand what is happening to our biodiversity and discover some actions they can take to stop it.

The biodiversity workshops consist of three activities (one from each section) and are designed to last 1.5-2 hours.

Available venues (according to the selected activities): In-school, Wetland Centre (and surrounding area), Frances Le Sueur Centre and pond, Noir Pré/ Sand-dunes in St Ouen/ woodland setting, Victoria Tower

We have other biodiversity-related activities available, if you have a particular site you would like your group to visit or a specific topic that is not covered by the below listed activities, please speak to our Education Officer.

Please select an activity from each of the following three sections:

1. Learn about the natural world, its ecosystems and threats to it:

	Activity	Curriculum links
1.1	Learn about and construct animal food chains, or life cycles	Y2, Y4, Y5 – Living things and their habitats
1.2	Observe and learn about the different species that thrive in our local habitats, and which of these are threatened;	Y2, Y4 – Living things and their habitats
1.3	Learn about how wetland birds (Wetland Centre) are evolved for different habitats and construct bird-watching spotter charts	Y2, Y4 – Living things and their habitats Y6 - Adaptation
1.4	Beginning with the popular children's story 'Superworm', then visiting the garden to dig for worms, learn why they are superheroes for soil health (see 2.5 for follow-on 'Explore' activity)	Y2 Living things and their habitats microhabitats Y3 recognise that soils are made of organic matter

Biodiversity workshops

2. Explore the natural world, and find out if and why certain animals, plants and habitats in Jersey are struggling:

	Activity	Curriculum links
2.1	Quadrats – children will investigate two different natural areas (public area vs nature reserve) by logging the plant diversity in a hula-hoop quadrat. The data can then be investigated in class (or in the Wetland Centre as a follow-up activity) to discover any differences and discuss why there may be more diversity in a nature reserve.	Y4 – recognising environments can change KS1 & KS2 - Mathematics
2.2	Explore the wetland centre and its displays on the important of wetland habitats, plus bird spotter activities (using spotter charts created by the children)	Y2, Y4 – Living things and their habitats Y6 - Adaptation
2.3	Miniature waterways – in groups, children will construct a watershed model using natural materials, such as soil, rocks and flora in the area, to be then tested by simulating rainfall from a watering can.	Y1 – Explore the properties of basic materials. KS1 & KS2 - Human & physical geography
2.4	Dissect owl pellets to explore carnivores and prey. A birds of prey experience (subject to a charge) can also be arranged with the Jersey Falconry Club either in-school or at the Wetland Centre.	Y2 – Living things and their habitats – food chains Y3 & Y4 – Animals, including humans
2.5	Create a wormery from recycled materials. For younger children or if there are no suitable worm-digging areas, we can bring some worms for the children to explore and learn how to handle sensitively (see 1.4 for related ‘Learn’ activity)	Y2 Living things and their habitats microhabitats Y3 recognise that soils are made of organic matter

3. Take Action to help protect our natural areas and biodiversity:

	Activity	Curriculum links
3.1	Create an animal habitat from natural or recycled materials	Y2 – habitats & micro-habitats Y3 & Y4 – Animals, including humans
3.2	Take home or back to school actions, such as conducting a waste audit or ways to improve their gardens for biodiversity	Y2, Y4 – Living things & their habitats
3.3	Conduct a litter pick of a natural area, or create signs asking public to keep our areas clean	Y2, Y4 – Living things & their habitats
3.4	Submit your biodiversity findings to local databases, using apps such as iSpot	Y1 - Animals, including humans Y4, Y5, Y6 - Living things & their habitats
3.5	Collect wildflower seeds and explore the different methods of dispersal that plants have evolved	Y1, Y2, Y3 - Plants

Seas workshops

Our seas cover 70% of the Earth’s surface, and are essential for life on the planet. Seas provide food, control the Earth’s temperature and weather, and provide half of the world’s oxygen. Serious damage is being done to them through over fishing, pollution, rising temperatures and plastic waste. By completing one of the Seas workshops, students will have the opportunity to understand how seas work, the creatures that live in them, and how they can play a role in protecting our seas for future generations.

The Seas workshops consist of three (half hour) activities, designed to last 1.5-2 hours.

Available venues (according to the selected activities): Wetland Centre or in-school.

We note that the usual summer seas workshops are often not possible during autumn-winter due to adverse weather, however a number of activities to explore the topic can be run indoors and if wrapped up warm there are still plenty of actions to be taken on the beach through the activities in section 3.

Please select an activity from each of the following three sections:

1. Learn about our seas and the creatures that rely on them, plus threats such as pollution and invasive species

	Activity	Curriculum links
1.1	Learn about and discuss different marine habitats and food chains (construct their own food chains). Plus, the effects of climate change on sea life, including sea level rises;	Y2, Y4 – Living things & their habitats Y4 – recognising environments can change
1.2	Learn about offshore wind farms and discuss their benefits, or trade-offs on marine life	Y4 – human impacts on environments
1.3	Learn about invasive marine species in Jersey	Y2, Y4 – Living things & their habitats Y4 – recognising environments can change

2. Explore our seas and the intertidal areas

	Activity	Curriculum links
2.1	Conduct seawater experiments to explore different currents	KS2 – Human & physical geography Y4 – States of matter, Y5 - Properties & changes of materials
2.2	Experiment with making your own waves	KS2 – Human & physical geography Y4 – States of matter, Y5 - Properties & changes of materials
2.3	Create a model of the different sea zones from recycled materials	Y1 – Animals, including humans Y2 – Living things & their habitats

Seas workshops



3. Take Action to help save our seas and the species that live in them

	Activity	Curriculum links
3.1	Conduct a beach clean – take an audit of what you found and how long these take to break down in the ocean	Y4 – Living things & their habitats
3.2	Look for ‘shark eggs’ – make a note of the different ones that are found, the National Trust will then submit the data to the national Shark Trust database	Y1, Y2, Y5 – Animals, including humans Y5 – Living things & their habitats
3.3	Start or take part in an awareness-raising campaign for issues that affect our local seas	Y4 – recognising environments can change
3.4	At home, with your families conduct an investigation into where your seafood comes from and pledge to only eat local seafood.	Y4 – recognising environments can change



Pollinators workshops

Many pollinators – both insects and other animals – are in decline. Wild pollinators are dying out all over the world, and we rely on them for nearly all of our food. This is as a result of their habitats being destroyed and pollution with chemicals. By completing these workshops, children will be able to learn all about our pollinators, and discover some actions to help them

The Pollinators workshops consist of two activities and are designed to last 1.5-2hrs.
 Available venues (according to the selected activities): In-school
 Due to the inactivity of pollinators during autumn-winter, the Explore activities are only available as part of the spring-summer programme.
 However, autumn and early spring are the ideal times to sow a new pollinator patch.

Please select an activity from each of the following two sections:

1. Learn about pollination and our pollinators		
	Activity	Curriculum links
1.1	Learn about and discuss how pollination works and the threats to our pollinators.	Y1, Y2, Y3 – Plants Y2 – Living things & their habitats
1.2	Create a collage or paint a picture of what the children think the world would look like without pollinators	Y1, Y2, Y3 – Plants Y4 – recognising environments can change

3. Take Action to support our local pollinators		
	Activity	Curriculum links
3.1	Create a pollinator patch in school – in partnership with the Pollinator Project (we can support you in adding your school's wild areas to the CI Pollinator Friendly network and providing official Pollinator Project signage for the area)	Y1, Y2, Y3 – Plants Y4 – Living things & habitats
3.2	Collection of seeds from existing school pollinator patch. Exploration of seed dispersal methods and used to make seed bombs for next year.	Y1, Y2, Y3 – Plants Y4 – Living things & habitats
3.3	Choose from a variety of seeds for pollinator-friendly plants and make seed-bombs to help your home or school support pollinators.	Y1, Y2, Y3 – Plants Y4 – Living things & habitats
3.4	Keep a food diary and investigate how your food was produced, find out which foods rely on pollinators and how you can try to choose foods that support pollinators	Y1, Y2, Y3 – Plants Y4 – Living things & habitats
3.5	Make your school or garden more pollinator friendly – by building a bee or bug hotel	Y2 – habitats & micro-habitats Y3 & Y4 – Animals, including humans

Woodlands workshops

Forests and woodlands cover one-third of the land mass. Trees are the lungs that clean the air, provide the homes for so many plants and animals, and a livelihood for millions of people. They also sequester and store carbon, so are essential in the fight against climate change.

The Woodlands workshops consist of three (half hour) activities and are designed to last 1.5 – 2 hours.

Available venues: various NTJ woodlands – School ‘forest school area’, St Peters Valley (Le Don Gaudin), Waterworks Valley (below Hamptonne – Le Don Sinkins), Fern Valley, Jardin D’Olivet, Grantez

The autumn and winter terms are the perfect time of year to explore our woodland. Please note that the Woodland Wonders workshops are still available to younger schoolgroups, and can include any of the below activities that you deem suitable for your class’ topics.



Please select an activity from each of the following two sections:

1. Learn about our woodlands

	Activity	Curriculum links
1.1	Create a natural collage as part of a hike through one of our woodlands, to represent the different parts of the woods	Y2, Y4 – Living things & their habitats Y1 – Plants Y1 – Seasonal changes
1.2	A presentation from our Education Officer on native tree-species of Jersey and the threats to them	Y1, Y2, Y3 – Plants Y4 – Living things & their habitats
1.3	Learn about different tree species by activities such as bark and leaf rubbings	Y1, Y2, Y3 – Plants
1.4	Memory and sorting game for different woodland species	Y1, Y2, Y3 – Plants

Woodlands workshops

2. Explore our woodlands

	Activity	Curriculum links
2.1	Create forest art using natural materials	Y1, Y2, Y3 – Plants
2.2	Explore people that live in woodlands and build your own shelter	Y2 – Living things & their habitats
2.3	Collect wildflower seeds and explore the different methods of dispersal that plants have evolved	Y1, Y2, Y3 - Plants



3. Take Actions to help save our woodlands

	Activity	Curriculum links
3.1	Collect and grow a native tree seed species for transplanting in a National Trust woodland.	Y1, Y2, Y3 – Plants Y4 – Living things & their habitats
3.2	Help to remove invasive tree species that cause issues for the natural composition of our woodlands	Y1, Y2, Y3 – Plants Y4 – Living things & their habitats
3.3	Find out about palm oil and sustainable paper, so they can pledge to help woodlands and forests all over the world	Y4 – recognising environments can change
3.4	Take part in a litter clean in one of our woodlands	Y4 – recognising environments can change

Climate change workshops

Climate Change is one of the biggest challenges of our generation: the Earth is getting hotter, weather patterns are changing, glaciers are melting and sea levels are rising. Populations and the animal kingdom are being affected by Climate Change.

The Climate Change workshops consist of three (half hour) activities and are designed to last 1.5 -2 hours.

Available venues: In-school, The Climate Hub at Quétivel Mill, The Wetland Centre

Please select an activity from each of the following two sections:

1. Learn about Climate Change		
	Activity	Curriculum links
1.1	Presentation on Climate Change and related discussion	Y4 – recognising environments can change
1.2	Learn about and measure your carbon footprint.	“ “
1.3	Learn about carbon neutrality and discover what steps Jersey is taking to become carbon neutral	“ “
1.4	Learn about the waterwheel by taking a trip to Quétivel Mill – one of the oldest forms of renewable energy, and see it in action	Y4 – recognising environments can change Y4 – Electricity Y5 - Forces

2. Explore Climate Change		
	Activity	Curriculum links
2.1	Explore the Climate Hub and the examples of renewable energy, including the pedal-powered bike and hydro-generator on the first floor.	Y4 – recognising environments can change Y4 – Electricity Y5 - Forces
2.2	Make their own waterwheels or windmills from recycled materials to understand renewable energy	Y4 – recognising environments can change Y4 – Electricity Y5 - Forces
2.4	Conduct a waste survey at home or school and understand what can be recycled or reused	Y4 – recognising environments can change

Climate change workshops



3. Take Action to help fight Climate Change

	Activity	Curriculum links
3.1	Take home ideas from our We Have The Power booklets, which includes a range of simple actions that children can take at home.	Y4 – recognising environments can change
3.2	Upcycling workshops – make some beautiful or useful craft from upcycled materials	“ “
3.3	Pledge to take steps to reduce their carbon footprints and make a collage of these ideas	“ “
3.4	Come up with ideas for an environmental campaign and how to encourage other children to get involved	“ “
3.5	Set up a recycling area at school or at home and try to encourage others to recycle their cardboard, plastic bottles and metal cans	“ “
3.6	Share or reuse your belongings when you do not need them anymore. Do you have things in your room that you don't use anymore, that you could give to or swap with a friend, or give to charity?	“ “



Example of school environmental education workshop

- Theme: Woodlands;
 - Duration: 1.5-2 hours;
 - Suggested location: Le Don Gaudin
- **Section 1 – Learn:** Activity 1.3 - Learn about different tree species by activities such as bark and leaf rubbings
- **Section 2 – Explore:** Activity 2.1 - Create forest art using natural materials
- **Section 3 - Take Action:** Activity 3.1 – Collect and grow a native tree seed species for transplanting in a National Trust woodland.

