For further information and booking please contact Sarah on

education@gardenofwales.org.uk or 01558 667150

Our educational programmes are normally 1 1/2 hours each and if needed we will allocate you a lunch space, or you can have a picnic. All of our programmes are curriculum linked and our staff work with local schools helping to deliver the new curriculum.

If the programs do not match what you need we can customise them or develop a program specially for your pupils.

If you want to visit and to lead yourself, that is no problem, we can supply you with self led trails, or you can use our teachers to deliver 1 or 2 programmes.

The costs, as of January 2024, are;

Self Led £5.00per pupil + VAT

1 Program £7.50 per pupil + VAT

2 Programs £10.50 per pupil + VAT

These prices are subject to change

BBOP lesson is £9 + VAT & Meet the Birds of Prey is £6 + VAT

For Pizzas & Foodmiles Pizzas carry extra cost POA

Most schools arrive at 10am and leave at 2pm, depending upon where you are travelling from.

We are used to working with pupils with SEN and BESD issues, our classrooms are fully accessible and the calming environment means pupils who struggle in the class enjoy their visits.

Our skilled staff are flexible and have a wealth of experience working with the full spectrum of educational settings.

For other enquiries please contact Paul Smith, Education Development Manager paul.smith@gardenofwales.org.uk

We look forward to your visit

Many thanks to Tim Jones Photography for the use of many lovely images.

National Botanic Garden of Wales

Education Programmes 2024/25





Reception and KS1

We appreciate that many of our younger visitors have different educational requirements, we have many activities specially developed for them and most of our other activities can be customised for them.

Suitable for
PS 1OSuitable for
PS 1VSolar SNoin caterpillar as it looks for
its wriggly and furry friends
in their woodland habitats.
Explore how they live and
dwat they eat.
Make clay hedgehogs and
dens for them to live in.

Outdoor Education

We aim to deliver activities outdoors whenever possible, these activities use specific outdoor areas and ensure that pupils learn to cooperate and enjoy our beautiful outdoor spaces.





Brownies, Guides, Scouts, Rainbows, Rangers



How do you top a night under the stars? How about a night under the stars in the largest single spanned glasshouse in the world? This would be an unique and memorable experience for everyone and one your group will be talking about for years to come!

Here at the Gardens we specialise in catering for large Brownies/Scouts/Guides adventure groups. If the Glasshouse isn't hardy enough for you we also have the space for you to set up camp and enjoy the evening in your tents.

During your sleepover we'll help you work towards achieving as many badges as you wish from your clubs list. We can offer activities for all ages and abilities from cooking on a campfire to pond dipping to building rafts.

As a leader you won't have to worry about a thing, we'll help take care and plan your whole visit, from the arrival, to activities to sleeping arrangements.

We ensure that everyone sleepover is tailor made to your group so please don't hesitate in contacting us to discuss which badges you would like to achieve during your sleepover with us.

For prices and any further enquiries please email: education@gardenofwales.org.uk



CPD

We deliver high quality and unique outdoor education, horticulture, fire lighting, tool use, primary and secondary science & environmental education training to a variety of groups from 1st year BEd secondary PGCE, meithrin leaders and teachers. We are helping to shape the new Curriculum for Wales and can tailor our expertise to your needs. We do not offer a large file full of impractical ideas but will empower you to deliver experiences that your pupils will enjoy and remember.



Horticulture is a fantastic teaching tool especially now with the new curriculum.

We offer bespoke training for teaching staff around this unique topic. We tailor make your training and can offer everything from introduction to horticulture to in depth training on propagation, creating your own veg garden to successional sowing.

We apply a hands on training approach and will include ideas for you to take back for any class. By the end of the day we aim to leave you with knowledge, confidence and countless ideas for your Horticulture adventure back at school.

Suitable for Who lives in the Forest? Suitable for PS 1 Who lives in the Mud? PS 1 PS 2 PS 2 Who lives in the Water? PS 3 PS 3 Who lives in the Jungle? Who lives in the Undergrowth? Who lives in the Grass? Who lives in the Cave?











PS 1

PS 2

PS 3

Head out in to the woodland s and put your survival skills to the test! Find out what it takes to survive in Start your own fire with flint & steel, build your own shelters and





Design and build a raft using only materials found at the Garden that will carry a grape down the 200 metre Rill and save it from being juiced.

Pupils will work together to make and test their own designs.



We are rooted in Wales and we are the National Botanic Garden of Wales, we preserve native Welsh plants and landscapes. Our programs promote Welsh legends and stories such as the Physicians of Myddfai and uses herbs to create traditional natural remedies .











You are welcome to choose from the following Horticulture lessons

-intro to Horticulture

- Propagation
- Successional sowing
- Garden Design
- Crop Rotation
- Annuals and Perennials
- Pests and Diseases

We offer this as one standalone lessons or you are welcome to we are happy to deliver a series of Horticulture lessons in your school garden!

History in the Landscape

The inspirational restored landscape offers many learning and enrichment activities. Walk with our staff into the past and emerge with an understanding of the present.

British Bird of Prey Centre

The BBOP centre is based at the NBGW and can deliver bespoke lessons, you can see flying displays and visit

the

aviaries.

National Botanic Garden of Wales Gardd Fotaneg Genedlaethol Cymru



Explore the iconic vistas of our restored estate so be prepared for a physical and mental step back in time.









#GardenOfWales

@WalesBotanicEdu

@walesbotanic

Discover what life was like for the Paxton family, how they lived during the Regency Suitable for period, including the servants and children. You will learn about the significance of the Ice House, the Double-Walled Garden, the Stable 1 Block, Paxtons Tower & Tŷ Melyn Play with toys from the period, take part in games and activities and compare them to today

eception

KS1

KS2

For more information contact cation@gardenofwales.org.u 01558667150





Living **Creatures in** the Gardens



Suitable for PS 1 identify what you catch.

PS 2

PS 3

Come pond dipping with us to find out about the complex ecosystem of our ponds. Learn about food chains, habitats and use keys, magnifiers & microscopes to











Suitable for PS1 X ~

PS 2

PS 3

Learn laboratory techniques to extract your own cells and how to view them under microscopes. Extract DNA from plants and use the same tools as scientists to discover the basic instructions of life.



Science & Soils

Explore what lives underground using our British Soil Science Society funded equipment, going underground!

We can deliver higher level specialised science activities that will stretch and engage all learners, if you want to customise lessons for your class investigations please enquire at education@gardenofwales.org.uk





invertebrates to determine air pollution levels in the Gardens

and then be able to repeat the

exercise in your school grounds.

The National Botanic Garden of Wales is a recognised habitat for many unusual species including Dormice, if you are really really lucky we might meet one. We also have a great variety of other animals that are often visible in the air, on the ground and in the water.





PS 2 ~

PS 3

1

and its hive. Explore the vital role played by all types bees in plant life cycles and food production, what threatens them and what we can do to help these amazing creatures.

Suitable for

 \checkmark

PS 1 ~

PS 2 ~

PS 3

Look at the life cycles of Bees, Butterflies and other insects. Find the homes of some of these creatures and make spaces in your school for them. Find out their needs and how to encourage them in their vital work.









Seasons and the Garden

Every garden changes with the seasons and jobs need to be done at the right time, knowing the seasonal changes helps you to understand the world around you.





Suitable for PS 1 ✓ PS 2 ✓ PS 3 ✓

and explore how the flora and fauna react to the changing seasons. Learn how to identify trees by their fruit, leaves and bark, discover the history of some of our iconic specimens. Travel the World and into the future in our arboretum.

Amazing changes happen in nature

with each new season. Come along



PS 3







What can be recycled, reduced, reused? What can you do to reduce your carbon footprint? What actually is a carbon footprint? What are food miles? How far has your packed lunch travelled?



PS 2

PS3 ✓

Explore the importance of recycling. What are the major issues and what can we do to make a difference. We will show you how your decisions do make a difference and that everyday decisions count.

How much CO₂ does your trip generate? Would you be better off cycling, on the bus, in a car or flying?



 What is the impact of what you eat your carbon footprint?
Can you get good food locally?
Enjoy warm Welsh Cakes or freshly
made Birtz cocked in our wood fire

made Pizza cooked in our wood fired Pizza ovens for your lunch.





Environmental Awareness

Environmental Literacy is at the top of the agenda in schools and within wider society. Understanding our

> choices and the impact of our actions is vital for us to become informed, literate and knowledgeable citizens.





Woodlands and Environments

Discover the rich variety of woodlands from tropical to Mediterranean to Welsh native, the creatures that live there and the adaptations of the plants to their environments. Meet the Protea and Banana plants, the vicious Puya and the bizarre Pitcher plants searching for their next meals.





National Botanic Garden of Wales Gardd Fotaneg Rainforests



Suitable for Plants have the ability to adapt and PS 1 1 thrive in nearly every environment on Farth. 1 Explore the plants of Wales, a ~ Tropical rainforest and 5 different Mediterranean areas. Learn how the textures, sizes and shapes of leaves are affected by their

PS 2

PS 3

Meet some of the invertebrates that live in tropical forests.

environment.





In this introduction to ecology use a Welsh woodland habitat to identify plants, study food chains and look at the similarities and differences between all living things. Explore the trees and learn different ways to identify them based on bark, leaves, fruits and flowers

Plants and Botany

We are the National Botanic Garden of Wales and our mission statement is Education Inspiration Conservation.

Learning about our plants is core to our mission and vital for your pupils.



sustainable container. Explore beans to discover what makes them packed full of energy and ready to sprout!

PS 3





Is there the same amount of nectar in a daisy and a dandelion?

Quadrat an area, count & ID the flowers then find out how far a bee can fly based upon your data.

Biodiversity

What is biodiversity and how do you measure it?

Combine this with Bee Miles to complete a biodiversity masterclass.









PS 1 ~

PS 2

PS 3 ~

1

Get suited up and explore a Bee Hive. Learn about how the hive operates and how we manage these amazing creatures. Use the products created by bees to make candles or lip balms.