

Sustainability self-guided tour

Marwell wildlife is a conservation charity and we believe that we should all be responsible for our own environmental 'footprint' on the Earth. As an organisation we make an effort to reduce our impact by incorporating sustainable practices in the everyday running of the park.

Directions: The white boxes are activities to complete as you follow the trail, the green boxes give helpful sustainability tips and the cream boxes give information on each sustainability feature on the trail. Use this trail as a tour around the park; don't forget to tick the boxes once you have visited them!

1

The Ark gift shop



Ark Gift Shop. Our gifts are ethically sourced from suppliers who work with communities who produce products to improve education facilities and pay fair wages.

Our new LED lighting reduced the energy usage by 75% compared with the old system.

Don't forget to switch off lights and electrical equipment when it is not being used- it will save money and energy!

2

Penguin and hippo water filtration



Save water where you can by turning off taps when not in use and showering rather than filling the bath tub!



Humboldt penguin and pygmy hippo water filtration.

The large filtration systems in these two buildings keep the water clean without the need to top up with fresh water.

The water in the pygmy hippo pool is heated. We save energy as well as water by filtering the water rather than changing it and reheating it.

Look in penguin cove for a wooden emboss stamp.

Stamp the area below when you find it.

3

Animal houses



As you look up the hill across the **giraffe paddock** you can see one of our solar photovoltaic installations.

Altogether these generate 50,000kWh of electricity every year. That's enough to power 14 family homes!

By using **renewable energy resources** you can **reduce the reliance on fossil fuels.**



Recycle and compost where you can to reduce landfill waste!

Did you know? Each year in the UK households throw away over 29.1 million tonnes of waste, that's the same weight as 4.85 million male African elephants!

If you look around the park you will see numerous recycling points. By recycling we can reduce the amount of waste going to landfill sites. How many can you count?



I counted recycling points

4

Wild explorers and cheetah walkway



All wood used at Marwell Zoo is from sustainable forests. Sustainable forests are managed to maintain habitats for native wildlife as well as to provide timber for wood products.

How does sustainable forestry work? In managed forests, areas are never completely cleared of trees and forest edges are maintained so there are many different habitat types for a range of wildlife. Felled trees are replanted to ensure there are always more trees in the future.

Research your products before you buy them. Try to support organisations like Fair Trade, Rainforest Alliance and FSC.



Match the type of rubbish to the reason why it is good to recycle it.

Paper

Doesn't break down easily

Plastic

Don't have to cut down more trees

Aluminium metal

Hard to find new sources

5

Café Graze

Use a water butt to collect rainwater and use it to water plants.



The large round light fittings in the ceiling above the serving area are light pipes which bring sunlight in from the roof without the need for electric lighting.

Rainwater captured from the roof is used to flush the toilets saving on fresh water.

A large amount of our food is from local and sustainable sources. We've recently become members of the Hampshire Fare which requires a minimum proportion of our food and drink to be sourced from within Hampshire, some of it from our very own garden.

We also sell only fair trade tea and coffee and are free from unsustainable palm oil.

6

Formal Gardens

Try planting wildflowers or other bee friendly plants to keep your garden buzzing with wildlife!



Marwell Hall Gardens.

Fresh vegetables are grown in our kitchen gardens which are then used in café graze to help us create the tasty meals on our menu.

Plant plenty of herbs and vegetables in your garden and you will always have something good to eat. It will taste even better because you grew it yourself!

7

Yew tree Walk



Yew trees like those on yew tree walk are used to create cancer treatments. Our landscape team collect yew tree clippings which are then given to a company called Limehurst who use the yew needles to make chemotherapy drugs.

Limehurst then use the yew tree clippings to create cancer treatments.



8

The Science and Learning Centre



Science and Learning Centre. Built in 1999 the science and learning centre features include -natural building materials and an energy efficient design which helps to conserve heat. Look at the building; you should be able to see the wood cladding, this is made from sustainable soft wood.

Log piles are used to create homes for wildlife and wildflower seed is collected. They are then sown in key areas to encourage biodiversity. This provides an important habitat for native wildlife. Can you spot any log piles as you walk around the park?

I spotted log piles

If you have some space in your garden why not build a bug hotel or create a wild area to make a home for nature!



When redecorating think about the materials you use. Choose natural materials and low VOC (Volatile Organic Compounds) paint to reduce the harmful chemicals being released into the environment.

Please print responsibly!

Print double sided where possible and print in black and white to save resources.

Match the logo with the description of the organisation:



A) Promotes responsible forestry using the symbol to certify when products contain sustainable materials.



B) Supporting farmers and their communities improve their lives by ensuring a fair wage.



C) Conserving natural resources and ensure the long-term economic health of rainforest communities.

Sustainability Tour



1. Gift Shop
2. Hippo and penguin filtration system
3. Giraffe paddock
4. Cheetah walkway
4. Wild Explorers
5. Café Graze
6. Kitchen garden
7. Yew tree walk
8. Science and learning centre

KEY

- Information
- Toilets / disabled & baby change
- Changing Places facility (Radar key required)
- Café Graze & Coffee Corner - Open all year
- Outdoor picnic tables
- Seasonal refreshments Ice creams / coffee
- Penguin Station rail train
- Road train stops
- Adventure playgrounds
- Under cover area
- First Aid Emergency? Call: 01962 777983



Science & Learning Centre
Pre-booked education groups or special events



Marwell Hall
Special events & private bookings