

## **Potty Plants Suitable for Key Stage 1 and 2**

**How does your garden grow?**

**Become botanists for the day!!! Children will be equipped with magnifying glasses and gardening gloves to explore the wonderful world of plants.**

**Activities include:**

**Plant exploration** – using a variety of different plants investigate and compare similarities and differences. Explore seeds and conditions needed for plant growth using our ‘menu selection’ activity. Get hands on potting seeds, thinking about conditions needed for plant growth. Continue investigations in the classroom by observing and recording seed growth.

**Building compost bins** – get hands on and investigate the composition of compost and its role in growing plants, design and build your own compost bin. Use compost to pot seeds and investigate the conditions needed for plant growth.

**Cress seed caterpillars** - get creative and build a cress seed caterpillar. Learn how to take care of your caterpillar by analysing scientific data on water, light and pH levels. Take investigation a stage further and prepare some acid rain to see how this affects the growth rate.

**How did you get there?** A scientific exploration of plant reproduction. Investigate different types of seed dispersal, make your own wind dispersal seeds investigate herbivore droppings. Take plant cuttings to introduce ‘clones’

**Plant dissection** – get surgical and dissect the parts of a plant to explore its components and their role in a plants life cycle. Examine a variety of different type of plants using keys to identify and make scientific observations

**Habitat hunt, where am I?** – explore a variety of habitats and microhabitats using props and media resources to predict which animal live there. Visit our pop up biomes, explore the desert, rainforest and polar habitats and discover the different ways animals and plants have adapted to suit their environment.

**Select activities that suit the learning requirement of your class. Sessions can also be personally tailored or interchanged upon request. Contact for more details.**

## **Animal Antics - Suitable for Key Stage 1 and Key Stage 2**

**Look for the 'bear necessities' and learn all about amazing animal adaptations, the habitats they live in and how they fit in the circle of life.**

### **What am I?**

Come and explore our rainforest where children are immersed in the sights, sounds and smells of the amazon. Here we will identify and group the variety of animals that live there. Dress up to become omnivores, herbivores and carnivores and discover using props how their bodies enable them to survive in the rainforest habitats.

### **Where am I?**

Get hands on with our minibeast adventure and discover the differences and similarities between cockroaches, giant African land snails and stick insects. Make comparisons with cacti and spider plants to explore life processes. We will become adventurers and explore our pop up biomes and visit the desert, savannah, rainforest and polar habitats of the world, here we will grasp an insight into animal feeding behaviours by examining food chains.

### **Who am I?**

Using props and specimens we explore ways of grouping animals and plants based on key characteristics to identify vertebrate and invertebrate groups. Get hands on and take part in an interactive classification trail where they interpret keys to identify animals and plants. In costume we construct food chains and food webs and consider the effects of predation, natural disaster, competition and habitat loss on population size and dynamics.

### **How am I?**

Become Biologists, using props and models we examine the life cycles of a range of organisms including birds, mammals, amphibians and insects. With media imaginary including the use of animations explore the different stages of animal life cycles, we also discover the different ways animals have young and how they look after them in different and sometimes treacherous living conditions.

### **Where do I belong?**

Classification made clear, an insight into the ways living organism are classified into kingdoms. In our rainforest biome get up close with minibeasts to examine their characteristics, gather observable data to correctly group invertebrates. Using props and specimens we categorise different animals into their vertebrate groups. Media clips enable us to observe behaviours and physical characteristics and use this information to test their knowledge of classifying organisms.

**Select activities that suit the learning requirement of your class. Sessions can also be personally tailored or interchanged upon request. Contact for more details.**

## **Bopping Bodies - Suitable for Key Stage 1 and Key Stage 2**

**Have you ever marvelled over the amazing things our bodies can do!**

**Come on a journey of discovery and investigate the wonders of the human body in all its gory!**

**Activities include:**

### **Sensation workshop**

Enter our rainforest biome and explore your senses, take in the sights, sounds and smells of the rainforest. Take our sensory challenge, can you use your senses to identify rainforest stimuli and are you brave enough to explore your sense of touch delving into our blind bags. Solve sensory clues to make a model human body.

### **I can recognise that noise**

Work through multi-sensory experiences within our Inflated dome and experience a whole world of sensory reaction. With noises to identify and smells to use two senses to their full potential we explore how much we take for granted. Sensory touch toys and equipment means we use our hands to investigate the world around us with our eyes closed. With a light show to wow the eyes we then learn about eyesight and a hearing test game we discover how our ears work.

### **Shipwrecked: Island survival**

A family has become stranded on a desert island; they have communicated with you via radio. You must help them survive until a rescue vessel can reach them by giving them advice. Listen to their radio messages then carry out tests to instruct them on how to find the correct kinds of food, how to keep clean, how to keep warm and how to stay active.

### **What can I get you Sir/Madam?**

Come and join us in our pop up café. Serve guests the correct meals to meet their nutritional requirements. Become chefs and prepare healthy foods and carry out scientific food tests to discover what's in the food we eat.

### **Pet Detective**

Teeth marks and animal scat has been discovered. As detectives your job is to examine them, take impressions and dissect the evidence to identify which animal they belong too. Biology skills will also be challenged in an interactive game, organ identifier. Can you identify body organs correctly and place them in the correct location in the human body?!

### **Doctor Doctor**

Become trainee doctors and explore bodily processes. We examine hearts, test blood and compare blood vessels to discover how the circulatory system functions. Follow the journey our food takes during digestion from entry to exit using our model human body. Take part

in mini experiments to investigate how diet, exercise and drugs effect our bodies. (please note we use fake blood in our experiments)

Themed Days or Whole day activities and events

### SAFARI DAY

Join us on a safari adventure where you will have the chance to:

- Follow animal tracks
- Dissect animal scat
- Excavate an animal skeleton
- Dig for fossils
- Inspect carnivore teeth
- Study geology

### JUNIOR DOCTOR DAY

Scrub up and discover and diagnose, you will have the chance to:

- Examine and dissect blood vessels and a heart
- Test blood and blood pressure
- Learn bandaging skills
- Analyse X-rays
- Explore skeletons
- Analyse stomach content

### THE BARRIER REEF

Discover the living world under the sea, and learn about mammals and fish:

- Enter our inflatable dome and watch a film as if you are diving around the ocean bed and exploring the creatures of the deep
- Try to work out which are mammals and which are fish
- What do the creatures do during an average day
- Make fish mobiles and lifecycles
- What are the threats to this environment?
- Create a mini ocean bed scene