

Virtual Botanical Adventure



If challenge packs were flowers, you'd pick this one!

Aloe there! In partnership with our friends at Twinkl Home Ed, we're getting green fingered to celebrate all things botanical. Thistle be a good one...

For even more programme ideas check out our 'Botanical Adventure' board over on www.Pinterest.com/PawprintFamily

#AdventureForAll
www.PawprintFamily.com

Meet the FAMILY

Hi there! We're Charlotte & Jamie, the husband and wife team behind the Pawprint Family and we believe in #AdventureForAll.

It's our mission to help leaders, teachers and parents save time by providing ideas and opportunities to help them deliver everyday adventure and skills for life. We do this through our family of brands; find out more below and head to the website for your next adventure!



PAWPRINT BADGES

Pawprint Badges provides thousands of free activity ideas and resources to help leaders, teachers and parents deliver fun and adventure.

Every activity helps you share skills for life and is linked to one of our pawesome embroidered badges. Build your collection and celebrate adventures, new skills and knowledge gained.

PAWPRINT TRAILS

Pawprint Trails are treasure-hunt style walks around locations in the UK. Solve puzzles, track down the answers and explore everything our great country has to offer.

From historical sights to popular culture discover something new or rediscover a love for where you live then collect the badge to remember your adventures!

Whether you're looking for the perfect addition to your next family holiday or a few hours of fun with friends; each trail can be completed in a few hours or extended with our activity suggestions in to a weekend or a week's worth of fun!

PAWPRINT TALES

Pawprint Tales are fully illustrated stories that can be enjoyed by the whole family. Join Alfie (our fox-red Labrador) on his adventures around the UK - solving puzzles, turning detective and making new friends. With twists and turns, every tale is an opportunity to discover new places, people and history without needing to leave the comfort of your own home.

Enjoy Pawprint Tales alongside your Pawprint Trails or as a standalone adventure!

PAWPRINT TRUST

Every brand in the Pawprint Family supports the Pawprint Trust with a percentage of profits from every sale providing grants to young people. We're passionate about enabling young people to access life changing adventures.

Share your adventures and join us over on our social channels for even more adventures and a nosy behind the scenes at Pawprint HQ!



@pawprintfamily



@pawprint_family

What is the Virtual Botanical Adventure?

Come with us on a fascinating tour of some of the world's most extraordinary plants! Don't worry, you won't be alone on your journey. Bertie the bat and Duncan the dung beetle accompany you on your adventure, offering advice and insights into the peculiar plants you encounter.

Which Questions Will Be Answered?

- What is one of the smelliest plants on Earth?
- Which plant is a superhero?
- How can a plant defend itself?
- Which plant is the deadliest?
- What grows under water?
- Which plant wears fancy dress?
- Which plant was used to make nappies?
- Can plants move around?

How Do I Track My Progress?

Your pack also includes a beautiful 3D model of a greenhouse for you to build. As you explore the botanical marvels, you earn specimen plants for your greenhouse, creating a visual record of your learning that you will treasure.

Where Do I Get the Pack?

Download your free pack [here](#) and visit our accompanying [Field Guide](#) for a mix of free and paid activities with which to extend your adventure!



Have fun!
Love from the Twinkl Home Ed Team

HOW TO: Use Your Challenge Pack



This Challenge Pack has been created in partnership with Twinkl Home Ed. Divided into 4 sections: Craft, Food, Games and Other, it's been designed to help you provide a balanced and varied programme for your young adventurers. We recommend that the following number of activities are completed by each age group:

Age 3 - 5						
Age 5 - 7						
Age 7 - 11						
Age 11 - 14						
Age 14 - 18						
Age 18+						

Craft

Food

Games

Other

PICK

Leaders, Teachers & Parents
Award yourselves a badge for supporting your young adventurers in their activities!

TOP TIPS

- Adapt activities as necessary to meet your needs.
- Add your own activity ideas or develop them into projects.
- Use what you have; don't buy in lots of new materials/equipment.
- No need to send us evidence, responsible grown-ups decide when the badge has been earned.
- One challenge badge can take as long as you like; from a few hours to days or even a full term!

Terms of Use

By downloading or purchasing this resource you agree to our terms of use as outlined below. As a husband and wife team we work hard to keep all of our resources and activity ideas available free of charge; we can only do this with your help.

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Craft

**PAWPRINT
BADGES**

- * Put together a flower/plant wreath using floral pieces you find in your garden or your local area.
- * Have a go at flower hammering. We've really hit the nail on the head with this one...

Did you know?

Flower hammering, also known as Tatakizome, is an ancient Japanese technique of tapping flowers with a hammer to transfer their natural colouring onto fabrics to create brightly coloured patterned material. Why not gather a bunch of flowers from your garden and give it a try? The brighter the colours, the more beautiful your pattern will be!

- * Sketch a small collection of observational drawings of plants you see whilst out and about. Why not make a special effort to visit a nature reserve or garden center and draw the botanical wonders they have on display?!
- * Create your own botanical bookmark. Use pressed flowers or simply draw your favourite flowers. You could even collage your bookmark with observational drawings.
- * Design your own greenhouse – fill it with all of your favourite/weird and wonderful plants, real or imaginary. Don't forget to label each plant!
- * Assemble a piece of framed pressed flower art. Simply press your fresh flowers and frame them in between two pieces of empty laminated paper.
- * Make a botanical crown out of card, tissue paper or real flowers!
- * Put together a flower bouquet for someone you love. Why not use flowers from your garden/greenhouse or visit a local flower garden that will let you pick your own flowers for your bouquet?
- * Create your own leaf rubbings - place a leaf under a piece of paper and using the side of your pencil to rub over the top. You may have to rub quite hard over the top to reveal the leaf's details, but not so hard that the paper rips!
- * Make a zip bag greenhouse and use it to germinate a seed in watered cotton wool. Find this activity on our 'Botanical Adventure' Pinterest board.
- * Chlorophyll painting. Scrunch up spinach leaves and paint away - a plantastic opportunity to learn about chlorophyll and it's role in photosynthesis.
- * Construct your own greenhouse out of construction materials of your choice. You could use building blocks, cardboard, clay, or wooden blocks.



Food

**PAWPRINT
BADGES**

- * Try making homemade jelly or syrup with edible flowers. Head across to our 'Botanical Adventure' board on Pinterest for some recipes.
- * Grow fruit or vegetables of your choice in a greenhouse. You might need to look into when the best time to plant each fruit/vegetable is and how best to plant it for it to grow well.
- * Make use of the herbs you grow by using them in a botanical mocktail or punch. Will you enjoy a fresh raspberry and mint mock-jito? What about a watermelon basil and lime mocktail? Find some herb-alicious recipes on our 'Botanical Adventure' Pinterest board.
- * Make an edible garden scene.

What?

A decorated cake or dessert that looks like a mini garden! You could pipe green buttercream to look like little cacti, use crumbled chocolate as soil, or use yellow pear drops to represent pears/squash. Why not hold your own Botanical Adventure party and let your guests plant chocolate raisin seeds into your cake?

- * Dry flower petals in the oven or microwave and use them for some of your Botanical Adventure craft activities.
- * Pick fruit and veg that's been grown in a greenhouse and use these deliciously fresh goodies in a recipe of your choice.
- * Some plants need feeding too! Make your own fertilizer. Check out our 'Botanical Adventure' board on Pinterest for homemade fertilizer ideas.
- * Make an all plant-based dish of your choice.
- * Check out the herbs and plants you can grow from seeds – most seeds are available in supermarkets and garden centres.

Extension...

Construct your own herb garden. Whether this is in your local community, or in your own garden, a herb garden can offer the chance to practice and utilize many skills: patience, basic plant care, fine motor, the ability to describe using the 5 senses, understanding of the environment, mindfulness, etc.

- * Go foraging for wild edible plants. Do this activity with an adult and use a guide/book to help you know what is safe to pick/eat and what is not. Always double check the wild plants and herbs you pick before consuming them!



Games

**PAWPRINT
BADGES**

- * Fancy an ex-seed-ingly good germination science experiment? Grow on... why not!

What?

Plant the same type of seed (e.g. sunflower, broad bean, sweet peas) in some soil in 3 or more plastic cups. Place each pot in a different place around your home/unit/classroom, such as a dark cupboard, a bright windowsill, the fridge, or the corner of a room. Care for each bean exactly the same, watering each everyday. Everyday, see how well each bean is growing in their environment. Do they grow better in full sunlight? In cold conditions? Discover which environment is best for your seed! For a different experiment, plant different types of seeds in your pots and place all pots in the same location to see which seed type grows best there.

- * Use tweezers and a magnifying glass to dissect a flower and see if you can name all of its parts and features. Who doesn't love a game of operation?!
- * Pollination stations. Two teams compete to throw their yellow pollination ball to each flower station (person) down a line from one end of the room to the next. The first team to reach the end of the line first wins.
- * Go on a plant/flower hunt outdoors in your local park, garden or on a walk.
- * Hold a flowerpot building competition. Provide each team with the same variety of materials and let them experiment with which materials are best to make a flowerpot. Pour water into each team's pot at the end and see if it can hold the weight of a plant and the water without breaking or cracking.
- * Act out the process of a plant growing. You could even make this into a traffic light-style game where each time you shout a part of the growing process each person has to perform the correct action.
- * Plant the seeds P.E game - a stuck in the mud adaptation.

How?

This game needs 3 teams: 1. Humans 2. Farmers 3. Seeds. The 'seeds' float around the room in the wind trying not to be tagged. The 'humans' try to tag the seeds to plant them. Once a seed has been tagged (aka planted), it is stuck in the mud and cannot move. The 'farmers' have to dig them up by going through their legs. When a seed has been planted and dug up they are out. If there are more un-planted seeds left than there are planted or out of the game, the seeds win! If not, the humans and the farmers win.

- * Hold a botany photography competition where everyone takes photos of the flowers in their local area and a winner is chosen for taking the best photo.



Other

**PAWPRINT
BADGES**

- * Water the plants in your home or volunteer at a garden centre.
- * Watch 'Bee Movie' to learn about pollination with bees. Did you know? According to the WWF almost 90% of wild plants and 75% of global crops depend on animal pollination!
- * Find all the different ways plants and flowers can be pollinated.
- * Discover more about exotic plants that you may not have in your home or greenhouse. Some are so weird and wonderful you'll hardly believe that they exist, like the carnivorous Cobra Lily found in California.
- * On that note, discover different varieties of carnivorous plant, such as the Venus Fly Trap. Before you ask, no, they don't eat humans...
- * Read 'The Big Book of Blooms' by Yuval Zommer.
- * Visit one of the largest greenhouses in the UK. You could plan a trip to the Eden Project in Cornwall, or Thanet Earth in East Kent.
- * Discover which flowers are edible in the UK. Can you find 20? Have you seen any of these plants in your local area?
- * Following on from the dissection games activity, learn about the different parts of a plant and what they're used for.
- * Read 'The Secret Garden' by Frances Hodgson Burnett or watch the film.
- * Find out more about plants that have adapted to defend themselves or survive. For example, cacti can use their spiky spines to discourage hungry herbivores, but can they use them for anything else as well?
- * Create a basic 'how to' guide for a friend telling them how to care for a plant.
- * Watch the film 'The Lorax' to learn more about the connection between our life, the world and plants.
- * Visit your local flower shop or garden centre.
- * Use a magnifying glass to identify different plants and flowers by their features. Why not keep a botany journal full of drawings and labels to record all of the plant species you come across, find and identify?
- * Make a model or poster to showing the different stages of a plant life cycle.

Adventure Complete?

Reward your young adventurers with their Virtual Botanical Adventure Challenge badge to mark their achievements! Head to the website to bag yours, download certificates and discover even more adventures!



Create a Keepsake!

Experienced adventure? Made memories? Then it's time to create a keepsake! Our Pawprint Family camp blankets are the perfect place to sew your badges and look back on them for years to come.



Personalise it!

Got your camp blanket? Then it's time to make it yours! Our alphabet badges are big, bright and bold...the perfect addition to your camp blanket, hoodies, bags and more. What will you personalise first?



Even More Rewards!

We're all about added value here at Pawprint Family. In addition to the 1000s of free activity ideas and resources you'll find loyalty stickers in every order and you can claim Children's University learning hours too!



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