Environmental Learning 13th July

Potions & Pies

What do you need?

- 3 x cups of soil/mud
- 1 x cup of water
- Assorted toppings such as grass, petals or pebbles.
- 1 x cup
- 1 x mixing bowl
- 1 x stick or spoon
- 1 x flat tray or board

(Make sure you ask an adult for permission first!)

Activity

- Put the soil/mud into a bowl.
- Add a cup of water to the soil and stir the mixture with a stick or spoon.
- The soil and water should combine to make sticky black dough. Roll this into a ball.
- Press the ball out onto a tray, board or space in the garden, into a flattened circle.
- Decorate the pie with your choice of toppings such as grass, petals or pebbles.
- Leave the pie to bake hard – preferably in the sunshine and serve in slices with a cup of homemade garden cocktail.

Challenge!
To make a garden cocktail, mix leaves, flowers and other natural materials in to a cup of water – remember do not drink - this is just pretend!

10 Ways to measure a tree.

What You'll Need:
- Pencil
- Stick
- Tree
- A friend

Activity:
- **Estimate:** Compare the height of the tree to a known object. A football goal is usually 2.44m tall, a car height can be measured and compared etc.
- **Look through your legs:** Stand with your back to the tree, about as far as you estimate the tree height is from the tree. Look backwards, through your legs. You are trying to just see the top of the tree. You will need to move towards or away from the tree until you are just able to see the tree top. The distance you are from the centre of the trunk is the tree's height.
- **Use a measuring stick:** Each pair need a stick (a metre rule would also work). You need to hold your arm out, lay the stick on your arm and line the tip of the stick up with your shoulder. Grasp the stick where it lies in your hand. Hold the stick vertically, without letting it go or moving your hand on the stick. Walk backwoods until the tip of the stick lines up with the top of the tree. Your partner can check that your arm is parallel to the ground and the stick is vertical. The distance you eye is from the centre of the tree trunk **(A)**, plus the height your eye is from the ground **(B)**, is the height of the tree.
  A ( ) + B ( ) = (The height of the tree)

Shark Awareness Day – 14th July

Sharks are misunderstood animals, some species of which date back to the dinosaurs! Take some time to learn all about these amazing creatures, living in the oceans all over the world, including off the coast of the UK.

Did you know:

- Shark's ears are just behind their eyes, hidden under the skin.
- Sharks can see 10 times better than humans can in the dark.
- Covering the shark's snout are lots of small pores called 'ampullae of Lorenzini'. These contain hair cells and a jelly that detect tiny electrical currents. Sharks use this to build an electrical 'map' of their surroundings

[Learn about Sharks!](#)