

WONDER ZONE CRAFTS AND EXPERIMENTS

Day 4 The Creatures of the World

Experiment

Simple Bug Hotel

You will need

a large plastic water bottle or 1litre milk container

things you can find in your garden or on walks – sticks, tree bark, pine cones, bamboo canes

garden twine or string

scissors

The picture of a bug hotel can be seen on the following page

Collect your sticks, pine cones etc from your garden or out on a walk.

Wash your plastic bottle or milk container.

Cut off the ends of your bottle or container.

Cut the bottle in half – you can then make 2 bug hotels

if you have enough sticks etc. to fill them.

Thread a piece of string through each container, leaving the string long enough to hang from a tree or bush. Tie the two ends of the string together to make a handle.

Put in layers of bark, sticks and pine cones until the container is full. Pack it really tightly so that the pieces don't fall out once it's hanging up.

Find a nice spot in the garden to hang it, preferably in a cool damp area.

Take your magnifying glass out to the garden and have a closer look at the insects you find and note the sort of places where they like to make their homes.

You can go back to your bug hotel in a couple of days, a week or a month and see what insects are going in and out

The science bit

Many insects thrive in cool, dark, damp places and creating this hotel will give them somewhere to live. It will give you the chance to observe the insects and count the different kinds.

Experiment about you – Fingerprints

You will need

a sheet of paper

an inkpad

or a small amount of poster paint and thin piece of foam

a magnifying glass



loop whorl arch

If you don't have an ink pad make your own first. Find a small, thin piece of foam, perhaps a piece of the washing up sponge from the kitchen. Place it in a dish and pour a little bit of poster paint on it and spread it out.

Draw 5 squares on your piece of paper.

Roll the ends of each of your fingers and thumb of one hand on your ink pad and print out a fingerprint on each box, labelling which one is which.

Look at the prints through your magnifying glass and try to pick out patterns. The three main patterns are loops, whorls and arches.

Get others in the family to do the same and compare your fingerprints.

No one has the same fingerprints as you. We are all unique.

That is why fingerprints are so useful in crime detection.

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Day 4 The Creatures of the World

Crafts

Make a sheep – this is the craft you will see on the video for Day 4

You will need

glue

a black marker

4 cotton buds

scissors

cotton wool

2 sheets of white paper or 1 sheet of white and one sheet of black paper

- 1 Colour the 4 cotton buds at one end black for the sheep's feet.
- 2 Colour a quarter of one sheet of paper black or use black paper
- 3 Cut the other piece of paper in half and scrunch one half into a ball. Then wrap it in the other half sheet of paper and scrunch them together to make the sheep's body.
- 4 Spread glue round the paper ball and stick pieces of fluffed out cotton wool on the body, leaving the underside bare.
- 5 Spread glue on the white end of the cotton bud and then stick them into the underside of the sheep for its 4 legs. Leave it aside to dry.
- 6 In the black paper cut an oval for the sheep's face and two black triangles for the ears and stick them on to the face. Cut two little dots out of white paper to make the sheep's eyes and glue them on to the face.

Think of all the other wonderful creatures in the world. Can you think of one for every letter of the alphabet? Some letters are more difficult than others but the internet can help. (eg a Xerus is a type of squirrel found in Africa).

How amazing is God that he created all these different types of animals in the world!

How wonderful that he created you too to be a unique human being even with your own unique fingerprints! And He loves and cares for you too.

