**IDEA SHEET AGE 6-7 YEARS**

Science

Look in your toy box or around your bedroom. Can you find toys made out of different materials? Why is each material used?

How many objects can you find around your home that are made of 2 or more materials? Can you talk about why those materials have been chosen?

Sort objects based on their materials. How else could the items be sorted? Once the objects have been sorted by their materials, discuss sorting by their properties. For example: hard, rough, soft, flexible etc.

Plastic is a very popular material as it can have lots of different properties. How many different items can you find that are made of plastic?

Have a look at what goes into your recycling bin at home. Find out why we recycle lots of materials. Make a poster encouraging people to recycle. Explain why we do this and what can be made by recycling different materials.

Investigate objects which can be made of different materials- for example, can you find spoons made of metal, plastic and wood? Find out and talk about why the same object might be made from different materials.

Plant some cress or broad bean seeds. Look at the seeds regularly and draw what is happening. Once the seeds start to grow put them in a shoe box, in the fridge or stop watering one of them. Do you think this will make a difference?

Have a seed growing competition- whose seed will sprout the tallest?

Imagine you are writing instructions to go on the back of a packet of seeds. What would you tell people to do to make sure their seeds grow and stay healthy?

Draw animals and their offspring. Can you label their names correctly? (Cat-Kitten, Dog-Puppy etc.)

Make a list of animals that give birth to live young and animals that lay eggs.

Do you have a pet? What do you have to do to look after your pet? Make a poster, leaflet or write a set of instructions on how to look after your pet.

What does ‘extinct’ mean? Why do you think some animals become extinct? Discuss animals that have become extinct, e.g. dinosaurs, dodos, etc. Discuss species that are endangered, e.g. tigers and panda bears, and the role humans often play in this.

Explore the garden or park. How many animals can you find in their habitat? Discuss why certain animals are better suited to their different micro-habitats, e.g. worms and damp soil, so they don’t dry out.

History

Make a timeline of your family life. Being born, first steps, first day at school, siblings being born, etc.

Samuel Pepys buried his most treasured possessions in his garden to stop them being destroyed in the Great Fire of London. What would you bury in the ground? Draw a picture and describe why you have chosen those items.

What do you remember about the Great Fire of London? Paint a picture, write a diary, story or poem, build a model or make a poster etc.

Geography

Label the continents and oceans on a world map. You could colour in the different continents and include a key in your map.

Locate the countries and capital cities of the UK on a map. You could colour in the different countries and include a key in your map.

Identify different landmarks of the UK on a map. Can you draw different symbols to represent each one?

Draw a map of the streets around your home. Label the human features. Discuss any familiar journeys you may make and discuss the human features you may see along the way. For example, shops, libraries or playgrounds.

Other Ideas

Draw your own comic strip. Include the use of capital letters, full stops and correct punctuation for the speech bubbles.

Pick a book title. Play charades. Can your family guess the book? When children are playing, remind them about the books you read together or at school. Take it in turns to act out the title without speaking.

Investigate ways of making your heart beat faster without running. Discuss different movements you could do, such as jumps, hops etc. Demonstrate paying attention to your heart-rate and your breathing.

Design a useless product. Try to convince someone that it’s actually brilliant! Discuss what would make a product useless, such as a window made of metal, or a fire guard made from chocolate. Explain why.

Create a piece of artwork using different shades of the same colour. You could cut up pictures out of magazines or use other materials to make a collage.

Write a story using a familiar hero. In your story they’re now the villain! Discuss some heroes the children know, such as the Woodcutter from Little Red Riding Hood. What could happen to make them turn bad?

Design a monster. Write a story about your monster. Are they good or evil? Children to explain whether the monster is good or bad. Discuss how that might affect the way the monster looks and behaves in the story.