

Leopold Primary School

SUMMER TERM – Science

Early Years

Sink or float?

This is a classic science activity that explores the principle of buoyancy and can be done with even very young children. Get a large container (eg a bowl or plastic box), fill it with water, and with the children collect a range of objects from around the nursery. The children then take it in turns to drop an object into the water – after guessing whether it will sink or float.

Will it dissolve?

This activity teaches children about solubility, specifically whether a given substance will dissolve in water. You'll need several small, transparent water containers (e.g. plastic or glass cups) and a range of substances to test (e.g. sugar, oil, salt, food colouring, rice, flour, vitamin tablets). Before dropping each substance into a cup ask the children to guess whether it will dissolve.

Year Two- Plants

- ◇ Make a model of an insect or plant.
- ◇ Research the life cycle of a creature, some suggestions might be a butterfly, a frog or a snake.
- ◇ Draw a diagram of its life cycle and don't forget to include labels.
- ◇ Create a mini-beast model using recycled objects.
- ◇ Research an artist who paints/sculpts/draws flowers. Create your own artwork, choose your own media you could use paint, colouring pencils, etc.
- ◇ Plant some seeds at home and keep a weekly record of how they grow, using diagrams and measurements.

Year One- Plants

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- ◇ Press leaves or flowers or collect other parts of plants. Use a book or the internet to try and identify the plants.
- ◇ Go on a local walk and record the different plants and animals that you see. Go to an outdoor play area and make a list of the materials that have been used to make equipment. Would they be the same as in an indoor play area?

Year 3- Light

- ◇ You will need to draw and label different sources of light in your home. Try and find at least five different sources.
- ◇ You will need to design, draw and label a shadow puppet of an animal. Remember to think about the outline and shape your puppet will make.
<https://www.wonderopolis.org/wonder/what-are-shadow-puppets>
- ◇ You will need to write your name on a piece of paper then look at it through a mirror. Describe and draw the changes of looking at it through a mirror.
- ◇ You will need to observe your appearance in a reflective material e.g. a spoon, foil or mirror. Draw what you see.

Year Four- Sound

<https://www.bbc.co.uk/bitesize/topics/zgffr8>

<https://www.topmarks.co.uk/Search.aspx?q=sound>

https://www.outstandingscience.co.uk/index.php?action=view_page&page=view_unit&unit=4d

Cover the box. Cover the entire box with paper, and then tape or glue down.

Paint the guitar's neck. Paint the stirrer black.

Add the guitar's neck. Cut a small slit in the top of the box and insert the paint stirrer.

Add "strings" and "bridge." Wrap rubber bands around the box.

Year Five- Life Cycles

◇ Plant Life Cycle -

<https://www.bbc.co.uk/bitesize/articles/zyv3jty>

◇ How do Flowering Plants Reproduce -

<https://www.bbc.co.uk/bitesize/articles/zqbcxfr>

◇ Seed Dispersal -

<https://www.bbc.co.uk/bitesize/articles/z28dpbk>

◇ Lifecycles and Reproduction (Animals and Plants) -

<https://www.bbc.co.uk/bitesize/topics/zgssgk7>

Year Six- The Human Body

<https://www.bbc.co.uk/bitesize/topics/zcyxcdm>

◇ Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood- label a Human Body.

◇ Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function

◇ Describe the ways in which nutrients and water are transported within animals, including humans. Draw a diagram.

BBC
Bitesize
Daily lessons

Please remember to ask an adult for help and use a safer search engine when doing research online.