

Starters for Science are 4 activities that parents can use at home to help children develop their science alongside the key learning and vocabulary children are using at school. The activities are easy to resource and provide children with the stimulus to learn and talk about their science topic. Encourage children to use the correct vocabulary as they talk about what they are doing and finding out. Don't forget to share your work on social media

#ScienceFromHome

Key Learning:

All living things reproduce; create new organisms that are similar to themselves.

Sexual reproduction involves a male and female cell and will result in an offspring that shares characteristics with both parents.

Asexual reproduction results in a copy or clone of the parent. It only involves one organism. It is more in plants than in animals.

Plants and animals go through different stages within their own lifetime. This is called a life cycle.

Some organisms may look very different in their immature forms. For example a caterpillar and a butterfly.

Vocabulary:

sepal
petal
stamen
carpel
seed
clone
cutting
life cycle
stage
reproduction
clone
characteristics

Parts of a flower

Ask your parents if you can take a flower from the garden. Carefully dissect it. Can you name the different parts? Do you know what they do? This booklet might help you:

<https://www.stem.org.uk/>

Stages of Life

Did you know that childhood is a stage in the life cycle of a human? What other stages are there in the human life cycle? Draw a picture of the stages and label them. Can you name some things that a human is able to do at each stage?

Life Cycles

Which kinds of animals and plants can you see outside at the moment? Draw a picture or take a photo of two or three of them. Can you name them? Do you know which part of their life cycle they are in? For example it may be a butterfly in its adult form. Or a dandelion clock, with its seeds ready to be blown everywhere. Find out about the stages in the life cycles of these organisms and draw some labelled diagrams of them. <https://www.stem.org.uk/rx35b8>

Growing new plants

Take some tops of carrots and potato peelings and place them in a saucer. Leave them for a few days and see what happens? Can you find out why this is different to growing a carrot or potato from a seed.