

Resources to support home learning in Science



St. Mary's
Catholic Federation

This document is a suggestion of ideas that you may find helpful in supporting your child/ren. It is not exhaustive and is not essential. If you have a resource you've found to be helpful please inform your class teacher and we can add it to the list.

If you have any questions, please ask us, in person or by email to the school office.

Thank you

Manipulatives (manipulatives are relevant at all ages and stages.)

Plants- (you may wish to look at plants on your walk, or if you have any in the garden). Identify the parts of a plant/flower. You may wish to plant a flower to watch it grow day by day

Fruit- take seed from them to grow your own fruit

Cardboard boxes/egg boxes (to create a habitat)

Sticks (to create a skeleton)

Materials to create a habitat

Using dried food or tins at home for recognising food in each food group (e.g- dried pasta= carbohydrates)

Pictures of animals from (amphibian, reptiles, mammals, fish and birds). Use circular shapes to put the picture of the animal into the correct group.

Online

<https://www.bbc.co.uk/bitesize/subjects/z2pfb9q>

<https://www.nasa.gov/kidsclub/index.html> (space games)

<https://www.brainpop.com/science/seeall/>

<https://www.sciencekids.co.nz/>

<https://kids.nationalgeographic.com/>

<http://www.crickweb.co.uk/ks2science.html>

<https://collectionslibrary.crestawards.org/#5-11>

<https://www.stem.org.uk/home-learning/family-activities#4-11>

<https://wowscience.co.uk/>

<https://pstt.org.uk/resources/curriculum-materials/Science-Fun-at-Home>

<https://learning.sciencemuseumgroup.org.uk/resources/kitchen-science/>

Apps

- K-5 Science for Kids - Tappity. (200+ science topics with fun experiments, stories, and games)
- Cosmic-Watch. (Cosmic Watch is one the best science app that uses mesmerising and realistic 3D graphics to help illustrate the relative positions and movements of a variety of components in Space.)
- ZooMoo. (The ZooMoo app is a free science app for kids to explore our wonderful world of animals)
- The Human Body by Tinybop. (The Human Body by Tinybop is a creative and interactive way for kids to learn about the human body.)
- Plants by Tinybop. (Kids can learn about plants, animals, seasons, and general weather conditions of the desert and the temperate forest biomes.)

Other

- Use of scientific vocabulary where possible as part of conversations about the topic.
- Breakfast, lunch, dinner and snack times are a great way to keep a diary of the diet the child eats. You can also compare the food groups and explain why each food group is important for the diet of humans.
- You may wish to play boards games (for example; operation to ex[plore the human body)
- Posters to display key information about the science topic (example; a poster on plants and the importance of each part of a flower)