



Northern Parade Schools

King's Group Academies



At Northern Parade, pupils have weekly science lessons. The majority of these are practical based, so may be difficult to recreate at home.

However, below are a list of websites that we regularly use to supplement the classroom learning, along with the current topic areas for each year group. Pupils are under no obligation to watch videos related to their topic area, as any additional learning will benefit each individual. There are also suggested ideas for those pupils unable to access the internet.

Current/next topics

Year R – Animals

Year 1 – Magnets / electricity

Year 2 – Habitats / states of matter

Year 3 – Forces / Living things

Year 4 – Light / Human body

Year 5 – Earth and space / Weather and climate

Year 6 – Human body and cells / evolution and inheritance

Useful websites

Sesame street science: <https://www.sesamestreet.org/toolkits/stem>

- STEM – Little discovers has many videos for younger children.

BBC bitesize - KS1 – Game - Galaxy Pugs:

<https://www.bbc.co.uk/bitesize/topics/zdp4382/articles/zn7bscw>

- Recently used in year R, but suitable for all infant pupils.

BBC bitesize Science KS1: <https://www.bbc.co.uk/bitesize/subjects/z6svr82>

- Infant pupils can explore the website for games and videos, covering: Animals, Plants, Human body, Habitats and the environment, Materials, Forces, Light and sound, Electricity, Earth and space and working scientifically.

BBC bitesize Science KS2: <https://www.bbc.co.uk/bitesize/subjects/z2pfb9q>

- The website includes games and videos for Junior pupils, covering: The living world, Human body, Materials, Forces and motion, Light and sound, Electricity, Earth and space and working scientifically.

'KidsHealth' from Nemours: <https://kidshealth.org>

- Go to the 'kids' tab and select movies. Human biology videos suitable for year groups 1 – 6.

It's AumSum Time ; Science Videos: <https://www.aumsum.com>

- Go to the 'All Videos' tab and select different topics from the drop-down menu, covers all topic areas, ideal for older children.

Additional / alternative activities

1.

Younger children: Spend 10 minutes looking out of the window or in the garden, list any animals or insect you see.

Older children: Spend 10 minutes looking out of the window or in the garden. Make a list, and keep a tally of all the different animals/ insects you see. Repeat this on another day and compare your results.

Challenge: Did you see more of one particular type of animal? Did you see more on one of the day? Can you explain why this might be (weather, habitat etc).

2.

Younger children: Draw or sketch any plants you have in your house or garden.

Older children: Draw or sketch any plants you have in your house or garden, and label the different features (stem, leaves, flowers etc)

Challenge: Can you see the plants roots? Explain why - are they hidden or missing? Explain the function of the roots.

3.

Younger children: Make a list of everything you eat in a day, and count how many different types of fruit or vegetables you had. Can you manage more tomorrow?

Older children: Make a food diary; did you eat something from each of the food groups (Fruit and vegetables, Protein, Dairy, Carbohydrates, fats and oils)? How many *different* types of fruit and vegetables did you eat?

Challenge: Explain why it is important to eat a variety of fruit and vegetables. Why is fibre important in our diet? Explain why we should never stop eating a whole food group.