



Science Week at Moorlands



March 2018



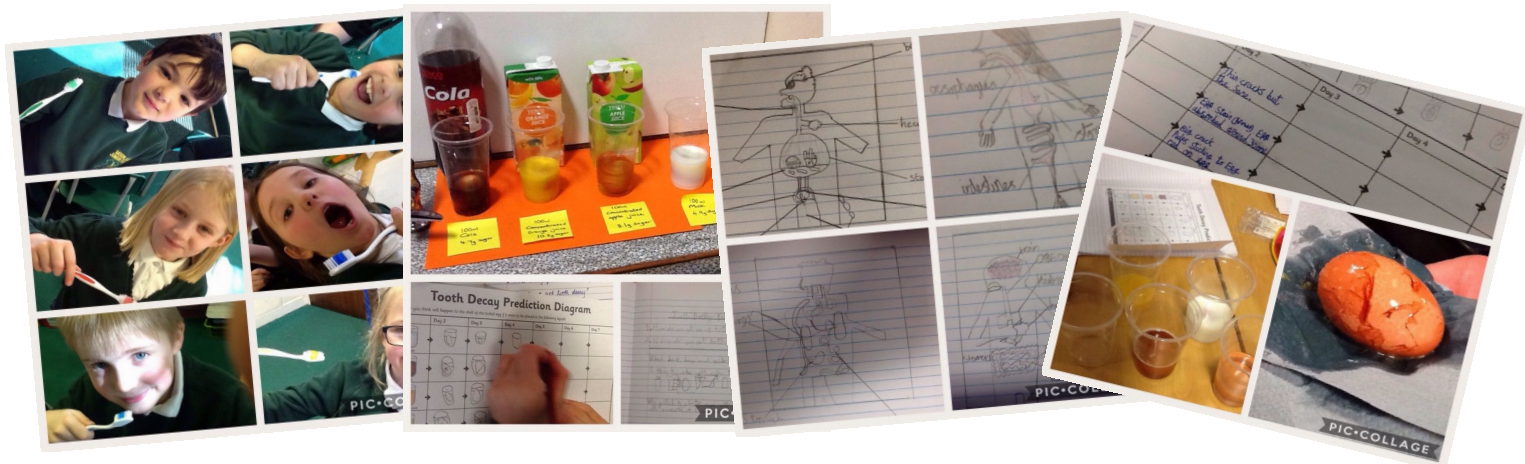
We have been celebrating British science week with our very own science week at Moorlands! We have loved finding out about plants, teeth and healthy eating, reversible and irreversible changes and evolution, adaptation and inheritance.

Children in year 3 have been looking at the different parts of plants and their functions. In addition, they have looked in more detail at the many parts of a flower and used the chrome books to research their functions. They set up a practical experiment to test which variable (water, soil, heat, light) is the most important for a plant to grow. They talked about how to conduct a fair experiment by weighing the exact amount of soil, measuring volume of water and ensuring that plants get the same amount of light and heat. This was then written up as a set of instructions on how to plant effectively. Furthermore, children have looked at a plants life cycle, including the process of fertilization and how insects play a major role in it. Finally we briefly looked at how plants absorb water through the roots using celery and food colouring.

In WN we have been learning about plants. In our busy

science week we have learnt lots of new language associated with a plant. We have been monitoring the growth of cress; made fantastic grass head faces; set up an experiment to see how water travels through celery & flowers and lots more. We've ended the week by painting & varnishing flower pots and planting a Petunia- hopefully someone in our family will enjoy this as a gift on Sunday!

Year 4 have been learning about teeth and eating. We've looked at the teeth in our mouths and their different functions - incisors, canines, premolars and molars. We've setup an ongoing investigation into the effects of different drinks on our teeth. The investigation uses hard-boiled eggs as substitute teeth and we've been recording our observations across the week. We've then moved on to look at the route of digestion and all of the individual organs. We've learnt about their functions and positions within the body. The second part of science week has been focused on learning about states of matter - solids, liquids and gases. We've looked at how particles behave in different states. Our investigations have focused on melting and cooling, and evaporation which links our learning about the water cycle. The children have been really engaged and have enjoyed tracking investigations over the week.





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In year 5, we have been learning about materials and their properties as well as changes of state.

We identified materials that were conductors and insulators of heat and electricity and identified which materials were best suited for their purpose. Later in the week, we investigated with solutions and learnt how they can be separated using methods such as filtering, sieving and evaporation.

We had fun learning about states of matter and studied the effects various conditions can have on different materials and if a change of state occurs, whether this is a reversible or irreversible change. Finally, we applied this knowledge to a whole class baking session where we reflected on our learning and how mixing ingredients can either be reversible or irreversible.

In year six we have been learning about evolution, adaptation and inheritance.

We have learned about Charles Darwin and his theory of evolution and have even designed our own hybrid dogs, looking at adaptation.

We have also researched fascinating scientific evolution and adaptations linked to the island of Galapagos. In particular, we looked at the Marine Iguana which inspired the children to take over the role of Sir David Attenborough, narrating a detailed account of the evolution of the iguanas on Galapagos Island. These presentations were filmed against a green screen to great effect!

