



Science Week at Moorlands



Working Together, Inspiring and Nurturing Everyone to Achieve and Grow

March 2020



In WN we have been learning all about adaption and inheritance. Mary Anning and Charles Darwin were two scientists that we have researched and learned about. We have all investigated inherited features in WN, looking at freckles, hair colour, dimples and tongue rolling. We found out that not all of us can roll our tongue. We have also looked at how animals and humans have adapted over thousands of years. Mrs Norbury brought in her tortoise George for us to look at while we were learning about the Galapagos Islands!

In Y3, we have researched the human body-looking at why humans and other animals have skeletons and muscles. We then discussed food groups and the importance of eating a variety of food to live a healthy life. We investigated how soil is formed, using materials from the school grounds. We also found out about different types of rocks. Finally, we looked at fossils and how they are formed.

Year 4 have been looking at the parts of the digestive system and its functions. In addition they have been identifying different teeth and their uses. We even had a visit from a dentist to talk about the importance of keeping our teeth healthy. Furthermore, we have looked at the water cycle and states of matter. Children can categorize solids, liquids and gasses and explain how their particles look using a diagram.



Moorlands-more than just a school

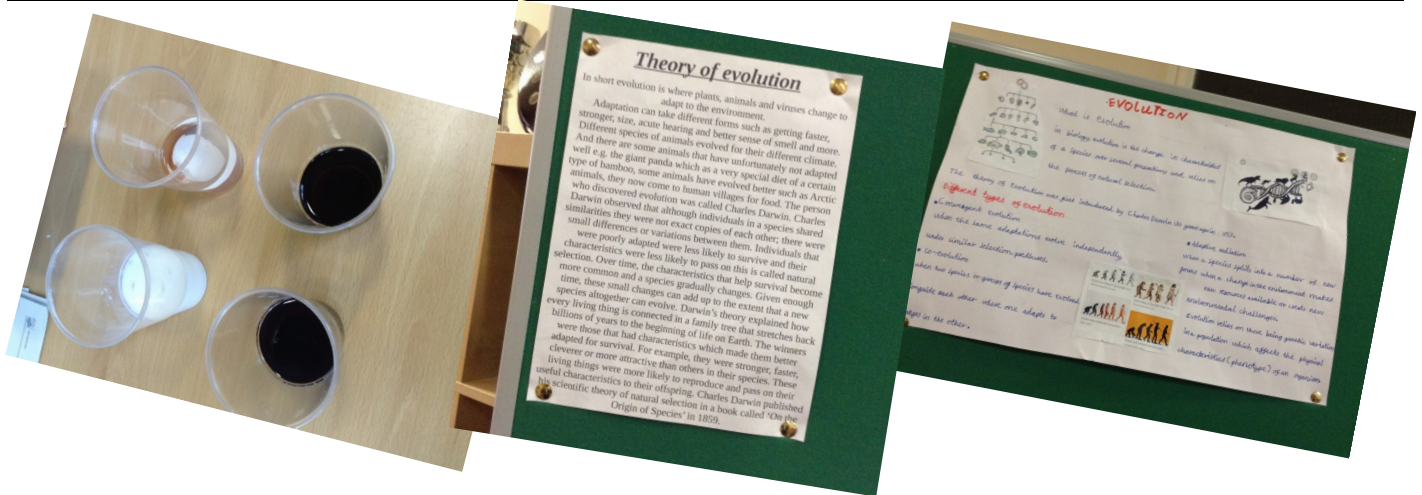


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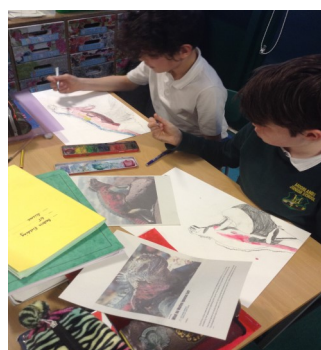
This week, Year 5 looked at properties and changes of materials. We started off by looking at dissolving and forming solutions and described how to recover a substance from a solution. We had fun exploring this with a variety of materials. This then moved us on nicely to investigating the fact that some of these changes of state, such as dissolving, are reversible through sieving, filtering and evaporating. From this, we were able to describe what reversible and irreversible changes are along with giving definitions of 'soluble' and 'insoluble'. We then investigated irreversible changes more closely and explored the fact that some changes form new materials. We created a fountain outside with Diet Coke and Mentos which was great fizzy fun! After that, we looked at irreversible changes caused by burning and created a poster illustrating the hazards of burning things. Next, we grouped materials by their properties using scientific vocabulary such as 'conductive', 'magnetic' and 'transparent' amongst many others. Finally, we tested an assortment of materials to determine which would be the best for building the hull of a boat. Great scientific work Year 5!

This week, we have been learning in-depth about inheritance, adaption and evolution. We delved deep into the theory of evolution and all the key terminology linked to this topic. We looked at the different characteristics, genes and DNA that we inherit. Following this, we learnt about cross-breed of dogs that can be developed and the traits they produce. This then led onto dinosaurs and we predicted how they could have evolved to be suited into today's climate and environment.

We then looked at the Galapagos Islands and the creatures that live there and how they have adapted to their habitat. We then focused on the Marine Iguanas and wrote a non-chronological report on them about how they have evolved from the Rainforest Iguanas.

Finally, we wrote scripts and made our own nature film using green-screen technology. David Attenborough eat your heart out!

Overall, the children have worked really hard, engaged with the topic and discovered lots of new information. Well done to everyone in Year 6 it's been another good Science Week!



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