



# Science Week at Moorlands



March 2019



**The whole school have enjoyed the second science week of the year this week, looking at rocks, digestion, materials, changes of state and evolution & inheritance.**

In year three we have been learning about fossils, rocks and the human body.

We read *The Pebble in my Pocket* about the journey of a rock from when it is formed until it ends up in a person's pocket. We also made our own compost bin, looking at how soil is formed, using materials from the school grounds. 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.

WN have been learning about solids, liquids and gases and how some changes in state can be reversible or irreversible. We have particularly enjoyed seeing this change in chocolate! We learnt how to extract salt from salt water in the way that Native American Indians used to, by putting sticks in a salt solution and waiting for the water to evaporate and for the salt crystals to collect on the sticks.

Our class have also been studying the teeth and digestion, and now know a lot about the function and structure of each tooth. We really enjoyed our visit from the dentist, thanks to Mrs Stanley, and are trying hard to take care of our own teeth. It's been a very busy week. We have learnt lots of new scientific vocabulary and can use it well in our work.

Year 4 have been researching the parts of the digestive system and their functions. In addition, they have knowledge on where they are in the body. They have also compared the digestive system of humans with other animals. They have constructed a variety of food chains, identifying producers, predators and prey.

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Children have also been learning about solids, liquids and gases and how particles are arranged. In addition, they have briefly looked at the water cycle, observing how liquids turn into gas and vice versa.





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In year 5 this week we have been learning about properties of materials as well as changes of state. On our scientific journey we identified materials that were conductors and insulators of heat and electricity and identified which materials were best suited for their product.

We also studied the scientist Louis Pasteur, learning about how his investigations into germ health advanced a generation of science we are still influenced by today. Later in the week, we investigated 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.

This week, in year 6, we have been learning in-depth about inheritance, adaption and evolution. First of all, we looked at the different characteristics that dogs inherit and then invented our own cross-breed of dogs. From that, we moved onto dinosaurs and created our own hybrid.

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. We also looked at the Giant Tortoises from the Galapagos and how they have evolved and adapted and made comic strips.

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!

