



Science Week at Moorlands



June 2019



Our final science week this year has been a resounding success! We have learnt about fossils, all aspects of the human body and living things and their habitats.

Children in year three have been looking at the different parts of plants and flowers and 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 the 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 fertilisation 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 Science Week Year 4 have been focusing on living things and their habitats. They have learnt about the 7 life processes and organised things into living and non-living. Learnt about different classification of animals, looked at vertebrate and invertebrate, and discussed who lay eggs and who give birth to live young. On Tuesday we went on a bug hunt to find different insects in their habitat and learnt about their environment. We also learnt about how the changes to the environment can affect the animals and their habitat. This led onto writing a newspaper report about how polar bears' habitat is disappearing.





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WN have been learning about living things and their habitats. We have amazed our teachers by understanding and using a raft of scientific vocabulary. We can all describe life processes and know what each letter of MRS GREN stands for (Movement, Respiration, Sensitivity, Growth, Reproduction, Excretion, Nutrition). Our knowledge of the differences between plants and animals is impressive and we have enjoyed painting and researching an animals of our choice. Our mini beast hunt was great fun! We found lots of different creatures, including a frog and a huge ants nest. Our baby caterpillars arrived on Thursday and we are all excited to see how they will transform into beautiful butterflies

This week in year 5 we have been looking at the science units; Animals Including Humans and Living Things and Their Habitats. We began the week by drawing timelines of human development and looking at the growth of babies. We welcomed the school nurse into school on Tuesday morning for a puberty talk and we then made some wonderful fact sheets showing what we had learnt. We then went

onto looking at changes in old age. The second half of the week focused on reproduction in both plants and mammals. The children learnt how different types of flowers are pollinated and wrote some interesting explanation texts about 'How Bees Make Honey'. The final part of the week was spent looking at metamorphosis and the book Cicada by Shaun Tan.

During Science week, Year 6 have studied the human circulatory system. In addition to this, we have looked at impact of diet, exercise, drugs and lifestyle on the way our bodies function. We started the week by exploring the heart and the lungs and naming the parts within them. We then had a practical lesson in the hall where we tested our resting heart rate and our working heart rate after completing two minutes of hard exercise followed by a minute on the exercise bike! From that, we worked out our maximum heart rate for our age which was our age subtracted from 220. We then moved onto the circulatory system in general and wrote a non-chronological report on it after studying the blood. We also have studied the effects of drugs and alcohol and the benefits of exercise and healthy eating. What a fun-filled week!

