

## STEM Week 2020 - Our Diverse Planet

Our STEM week this year has followed the theme of 'Our Diverse Planet', celebrating the amazing diversity we see across the world, from biodiversity, diversity of knowledge and to STEM careers and subjects.

Our week started on Monday when we welcomed Paul Holmes from 'Hands on Science'. Children started science week with a talk about 'What a scientist looks like'. We explored the different roles available to all in the STEM field and the skills needed for those roles.



Key Stage 2 then spent the morning learning about the Mars rover before taking control of their own model. Children looked at charging a capacitor to get the rover to a specific location. We learned about the forces and energy needed to complete our mission. Class 1 spent the morning learning about forces and created their own bottle rockets.



Class 1 and 2 examined camouflage and how different animals have adapted to live in a diverse range of locations. Children looked at a range of animals that use camouflage before creating a butterfly pattern and environment.

Class 2 looked at how elements are organised in the periodic table. Children then burnt various elements to examine the flame they produce. Children then used their knowledge of the periodic table and accurate observations of the flame produced to identify a mystery substance.

On Tuesday, Class 1 went on a litter pick around our local area. Children examined the materials used and began to categorise them. Class 3 designed and built seismographs.



On Wednesday, Class 1 children completed a maths investigation based on their litter pick. Class 2, 3 and 4 all conducted maths investigations looking at presenting data. Class 3 also tested and evaluated their seismographs.



On Thursday, all classes were visited by Richard Lock. Children examined chromatography. The application of science in everyday life and different STEM careers.

On Friday, Class 3 and 4 took part in an electronics workshop. Children have researched conductors, insulators, voltage and circuits. Throughout the day, children were able to create different circuits and used bulbs, motors and buzzers.

Throughout the week, Mr Read has completed Mission X with our pupils. Pupils learnt about the tough physical demands of being an astronaut. Children climbed, planked, squatted and moved while recording their current fitness and thought about ways they could improve.



More photos and videos can be found on the school website

