







Science at Carcroft

Intent, Implementation and Impact





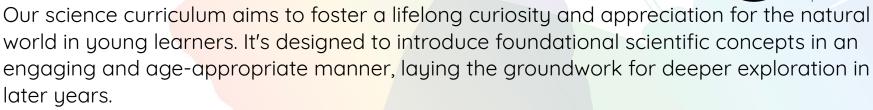






Intent



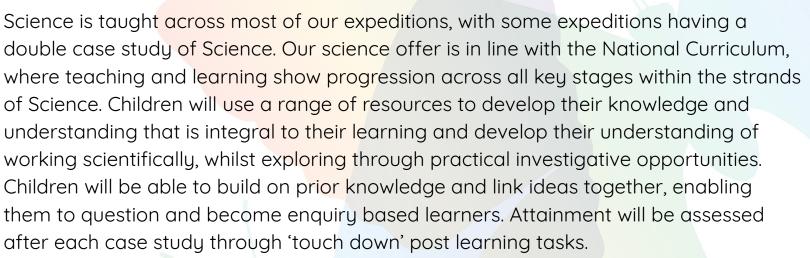


At its core, our science curriculum seeks to ignite children's curiosity about the world around them. By exploring intriguing phenomena and asking questions, pupils develop a sense of wonder and fascination for scientific inquiry. The curriculum introduces fundamental scientific concepts and principles, such as the properties of matter, basic forces, the water cycle, and the diversity of living organisms. These concepts provide a solid foundation for understanding more complex scientific ideas in the future. Through hands-on experiments, observations, and investigations, pupils learn to think and act like scientists. They develop skills in observation, prediction, experimentation, and analysis, cultivating a mindset of curiosity and critical thinking. The curriculum encourages pupils to explore the naturat world both inside and outside the classroom.

Implementation



XP



The learning environment and teaching strategies help to keep all children engaged and inspire them to want to investigate the world around them, including the school grounds, through group discussions, presentations, demonstrations, videos, practical explanations and experimental work.

Impact



The successful approach to the teaching of science at Carcroft School results in a fun, engaging, high-quality science education, that provides children with the foundations for understanding the world that they can take with them once they complete their primary education. Pupil voice is used to further develop the Science curriculum, through questioning of pupils' views and attitudes towards Science, to assess the children's enjoyment of science, and to motivate learners. Touch Downs (post assessment) assess how well the pupils have engaged with the science case study throughout their expedition, and enables teachers to identify any gaps in their knowledge, skills or understanding.





Science

Biology

























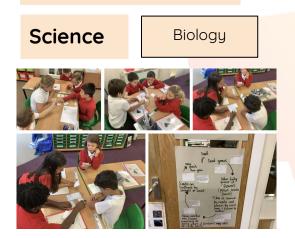




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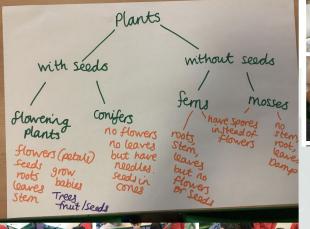
































Science

Physics































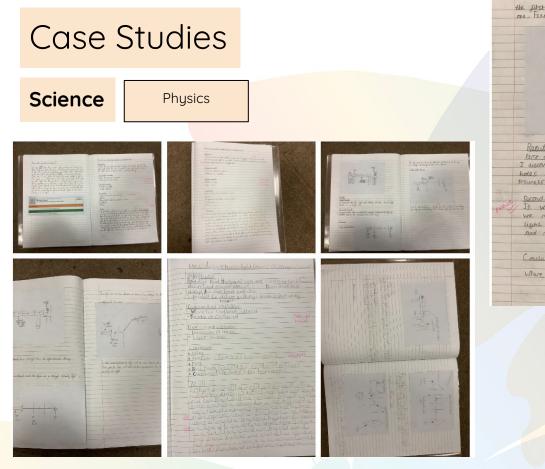


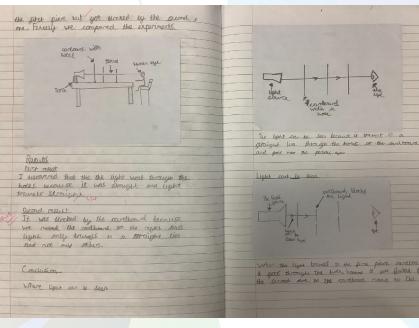


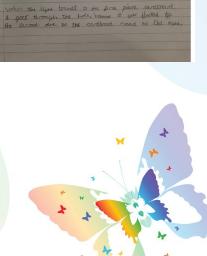












O Kye



Chemistry

In expedition today, we set up our evaporation experiment! We can't wait to check back in a few days to see what has happened and see if our predictions were correct! $\bullet \bullet$



Today, we looked at what fossils are and the process of fossil formation. First, we made our own fossils in modelling clay. We found this really interesting and loved seeing the patterns appear in the clay. We then worked in mini crews to order the process of fossil formation.



Chemistry

During this week, we have recapped our learning on solids, liquids and gases and then applied this when learning about reversible and irreversible changes.



change





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78

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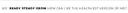








KS1 cookbook



KEEPIN'G HEALTHY

> Teeth I must alva teeth beca then they black and f

Having good hygiene helps keep our bodies well and avoids germs

Ince Indid try to use scap I water to clean my eso that I don't spots.



Hands I need to wash my hands to wash away the germs







How can I be the healthiest

version of me?





XP.

KS1 information boards

How do animals adapt to their habitats?

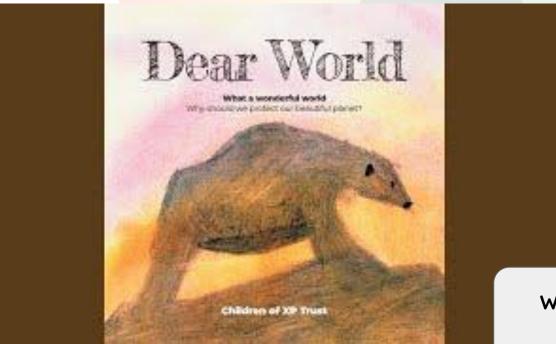




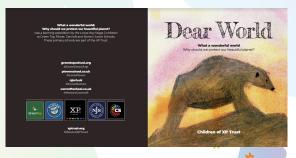
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LKS2 song



Why should we protect our beautiful planet?



CS CS



UKS2 exhibition

Why should we help our planet survive?



XP.

UKS2 informative video



How can a healthy lifestyle impact your body and mind?