



## ‘Change and Adapt’

We are so excited to once again be taking part in science week at Abbotsweld from Monday 10th- Friday 14th March. In their classes, the children will be conducting various scientific experiments and explorations, as well as learning about a scientist all linked to this year’s theme of ‘change and adapt’.

They will be able to showcase all of their hard work and amazing discoveries at our science fair, which will be taking place on **Thursday 13th March at 4-4:30pm** in the main hall. All parents/guardians are invited to come and find out what the children have got up to and even watch some experiments live!

Below is an overview of what each phase group will be doing to celebrate science week. We encourage you to talk about these activities and conduct experiments with your child at home to immerse them even further in the wonderful world of science.



# EYFS

In EYFS, we are going to be learning all about the changes between solids, liquids and gases. We will be exploring these changes through a range of different fun activities spread across the week, including making our very own ice lollies and melting ice in some very interesting ways. We will be conducting these experiments in a practical and enjoyable way, which will help to solidify the children's early scientific knowledge and embed a love for science.

As part of our learning, we are going to talk all about what it means to be a scientist, and how all of us can be scientists too! We are going to learn about different types of scientists who are working today, including Doctor Priscilla Day-Walsh, who studies how to look after babies, and Doctor Parvez Alam who finds new animals around the world.

## Year 1 and 2

In Year 1 and 2, we will be studying the change and adaptation of moths. In particular, we will be studying the Peppered Moth which has evolved and changed to adapt to its environment.

We will be studying the British scientist Bernard Kettlewell who was an entomologist who studied insects. We will be predicting how we think the Peppered Moth may evolve in the future and drawing and creating our evolved moths. We will be linking this to an experiment of microplastic pollution and how pollution can affect our environment too!

## Year 3 and 4

In Year 3 and 4, we are going to be learning all about forces, including magnetism. We will be learning about how British Coins were changed to make them cheaper to produce. We will be investigating how this change in metal type made some coins magnetic!

We will also be experimenting and discovering how we can tell how old a coin might be based on whether it is magnetic or not.

## Year 5 and 6



In Year 5 and 6, we are going to be researching Paola Andrea Arias Gómez who is a climate scientist and professor at the Environmental School of the University of Antioquia (Colombia). Her research includes different aspects of climate change and hydroclimate modelling in Colombia and South America.

The children will also be immersed into brain – provoking activities such as designing houses for the future. They will research climate -responsive architecture and how buildings adapt to different climates, as well as sustainable design techniques, echo friendly buildings and much more.

They will also conduct investigations such as ‘how can we change the size of shadows?’ and ‘can we change people’s behaviours on what to flush and not to flush?’.

## **Activities to try at home:**

In the email, you will also find two other attachments. One is a pack for 5-7 year olds, and one is a pack for 7-11 year olds. They are full of exciting ideas for activities and experiments which require minimal resources, are affordable and easy to complete. We would love to see any of the results of these activities, so please bring in any photos or creations you have. We can’t wait to hear what you get up to at home!