

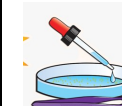


Year 5 Curriculum Spring 1



Geography	
In our unit of learning, we will be discovering our extreme world of tectonic plates	
Questions to ask my child	Key understanding
How is the Earth formed?	Earth is made from five layers: the inner and outer core, the lower and upper mantle, and the crust.
What are tectonic plates?	Tectonic plates are pieces of Earth's crust and uppermost mantle, together referred to as the lithosphere.
What are the three types of tectonic plates?	There are three kinds of plate tectonic boundaries: divergent, convergent, and transform plate boundaries.
How are mountains formed?	Mountains are made when Earth's crust is pushed up in big folds or forced up or down in blocks.
How are volcanoes formed?	A volcano is formed when hot molten rock, ash and gases escape from an opening in the Earth's surface.
How do earthquakes occur?	Earthquakes are caused by a sudden release of stress along faults in the earth's crust.

Science	
In our unit of learning, we will be investigating properties and changes of materials	
Questions to ask my child	Key understanding
How can the materials be sorted? Which materials are soluble/ transparent/ conduct heat or light? Magnetic?	compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
What is the difference between melting and dissolving? How does dissolving work?	know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
How can we separate these materials once they have been mixed?	use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
What can these materials be used for? What makes them suitable for this purpose?	give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals,
How has the material changed? What does reversible mean? Can the change be reversed?	demonstrate that dissolving, mixing and changes of state are reversible changes
What does irreversible mean? What new material has been made? What are the uses of some new materials?	explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda



Computing
In computing, we will be learning how to use a database, contribute to a class database and create a database for a chosen topic

PSHE
In PSHE, we will be discussing how to protect our environment and compassion towards others. We will also be exploring how information is targeted.

PE
We will be exploring and developing our skills and understanding in:
<ul style="list-style-type: none"> Dance Rounders

RE
In RE we will be investigating and learning about Christian beliefs about God

French
In French this half term we will be learning about Chez Moi (my home)

Art week
In art week, children will be exploring the work of William Morris. They will be creating Styrofoam printing tools to create repeating patterns

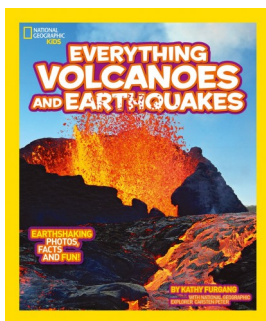
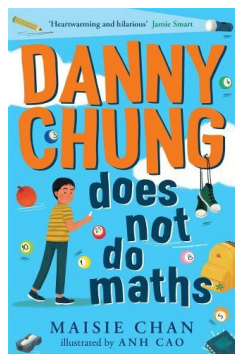


Year 5 Curriculum Spring 1

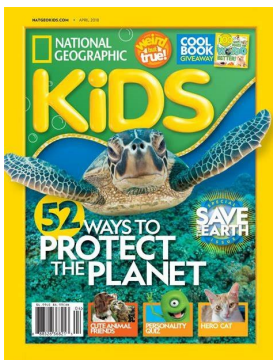


Reading

This term we will begin by reading



If you enjoy these books you could try...



Writing

In writing we will be:

- Focusing on writing legibly, fluently and with increasing speed
- In writing narratives, consider how authors have developed characters
- Include correctly punctuated speech in writing
- Build on Y4 learning about paragraphs, and start to link them
- Begin to use expanded noun phrases to add more detailed and complicated information
- Begin to use modal verbs (must, should, could) in non-fiction writing

If you would like to practice at home you could...

Try to create your own diary entry to share with the class

Practice writing your letters

Try to be a brave writer at home by writing a sentence you could share in school.

If you have any questions, please speak to your child's teacher or our English lead—Mr Fawcett (upper phase lead)

Maths

In maths we will be mainly focusing on developing a strong knowledge and understanding of area and scaling through:

- Understanding what area is and how to measure it
- Being able to compare areas of different shapes
- Calculating the area of a rectangle using multiplication
- Using knowledge of area to solve problems

If your child would like to practice at home, there are free videos from White Rose to support your child's learning (click this link here):

[Maths home learning](#) | [Home learning](#) | [White Rose Education](#)

The videos will cover what your child is learning this term.

If you have any questions, please speak to your child's teacher or our maths lead—Mr Stewart (Y6 teacher)