

## HOW DO FORCES SHAPE THE EARTH?

This half term we'll be thinking about forces and magnetism in science alongside volcanoes and earthquakes in Geography. The earth is constantly moving, but what are the forces that act upon it? We'll also explore what magnetism is and how that affects our earth too.

Below are some suggestions of things you could do at home. You can pick one or do as many as you like and you might have some super ideas of your own too!

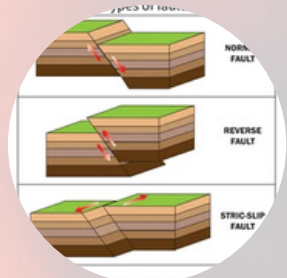
Please email any photos to [year3@damers.dorset.sch.uk](mailto:year3@damers.dorset.sch.uk). All home learning to be in school on Tuesday 17th December for a showcase.



Use a magnet to find out what is magnetic in your home,



Make your own exploding volcano at home.



Make a model of how fault lines work and how forces work upon them.



Create a top trumps game with countries of Europe. Include flags, capital cities, population and number of volcanoes.



Find out which surfaces cause the most friction by setting up a ramp experiment with cars.



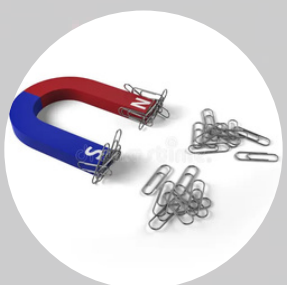
Can you make up a dance in which you are being pushed and pulled by an invisible magnet?



Try dipping metal objects (like paperclips) in paint and then pulling them around on paper with a magnet to create a wild painting!



On a map label as many capital cities as you can.

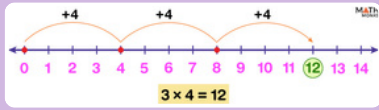


Explore how many paperclips a magnet can pick up, if you have more than one magnet - is there a difference?

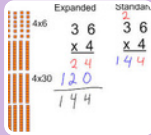
# Knowledge and Vocabulary

## Maths

Multiply by 3, 4 and 8



Multiply 2 digits by 1 digit



Solving Word Problems  
Vocabulary

Factor x factor = product

Factor - Numbers that are multiplied together.

Product - The answer when two or more values are multiplied together.

## Literacy

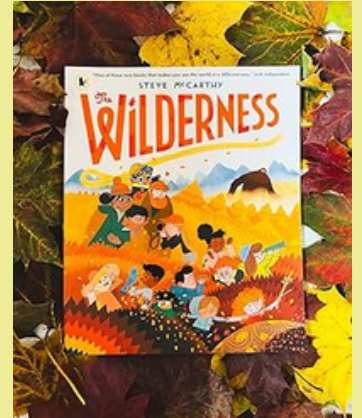
The Wilderness, Steve McCarthy

- Character descriptions
- Letter of advice
- Descriptive poem
- SOS Message
- Identification label

Main outcome: A guide to the Wilderness.

SPAG:

- Conjunctions
- Adverbs
- Fronted adverbials
- Commas
- Noun phrases
- Present perfect tense
- Headings and subheadings



## Science

Knowledge

We will explore how forces and magnets affect everything. How is gravity is affected by forces.



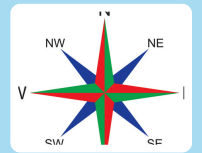
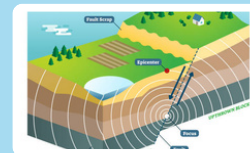
Vocabulary

Push, Pull, Contact Force, Gravity, Air Resistance, Uplthrust, Attract, Repel, North and South Pole.



## Geography

We will be exploring maps and how to use them. We will learn capital cities, the location of volcanoes in Europe and then use compass points to explore.



Vocabulary

Volcano, Earthquake, Capital City, Fault, Compass Points, Map, Seismic Activity, Mountain, Map

## DT

This half term we'll be practising our sewing skills. We'll do a variety of stitches and look at how to effectively join fabric together, before making a decoration to take home.



## Spellings

Words with the prefix 're'

Words with the prefix 'dis'

Words with the prefix 'mis'

Words where '-ing', '-er' and '-ed' are added to multisyllabic words

Year 3 Common Exception Words