



*Challenge, Equality & Opportunity*

## **HALF TERM OVERVIEW FOR KEY STAGE 2 – SPRING TERM 1 – 2022**

### **Science – Rocks**

Through the topic the children will...

- describe and compare rocks.
- understand how rocks are formed.
- explain how and why rocks change over time
- investigate the permeability of rocks
- describe how soil is formed from rocks.
- understand how fossils are formed.
- explain Mary Anning's contribution to palaeontology.

Through the topic the children will investigate the following key questions...

- Can we sort rocks into groups?
- How are rocks formed?
- Can rocks change shape and size?
- Can rocks float?
- How is soil made?
- What are fossils?
- Who was Mary Anning?

### **Geography – Volcanoes and Earthquakes**

Through the topic the children will...

- find out about the structure of the Earth and label a diagram.
- describe what happens at the boundaries between the Earth's plates
- describe and explain the key features of a volcano
- report on the effects of a volcano
- evaluate the advantages and disadvantages of living near a volcano
- identify the effects of earthquakes on land and people.

Through the topic the children will investigate the following key questions...

- What lies beneath the Earth?
- What happens when the Earth's plates meet?
- What goes on inside a volcano?
- What happens when a volcano erupts?
- What would it be like to live near a volcano?
- How do earthquakes affect people and places?
- What help do people need before and after an earthquake?

RE – Hinduism		PE – Football and Gymnastics	
Through the topic the children will...	Through the topic the children will investigate the following key questions...	Through the topic the children will...	
		Football	Gymnastics
<ul style="list-style-type: none"> <li>• be introduced to Hinduism and their beliefs about God.</li> <li>• recognise the Aum symbol and its meaning/importance to Hindu's</li> <li>• look at simple Hindu art and to explore the simple patterns and how they are used.</li> <li>• learn, know and describe the Hindu God Ganesh and the story behind the elephant headed god</li> <li>• understand each Hindu home will have a Shrine.</li> <li>• understand the importance of a Puja plate and the different items found on it.</li> <li>• understand and explain the importance of a Mandir to Hindu worship.</li> <li>• look at the different Hindu festivals in a calendar and how the clothes change for each festival/celebration.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>What is Hinduism and what does the symbol AUM represent?</b></li> <li>• <b>What happened to Ganesh and why?</b></li> <li>• <b>What is a shrine and why do Hindus have them in their home?</b></li> <li>• <b>Why is a Mandir so important to Hindu worship?</b></li> <li>• <b>What are the three main Hindu festivals and what do they represent?</b></li> <li>• <b>What do I know about Hinduism?</b></li> </ul>	<ul style="list-style-type: none"> <li>• Sessions delivered by NUF</li> </ul>	<ul style="list-style-type: none"> <li>• understand how to balance.</li> <li>• understand how to perform a jump safely.</li> <li>• confidently be able to balance for 3 seconds.</li> <li>• confidently be able to link 2 movements together</li> <li>• understand how to support their partner through the activities.</li> <li>• confidently be able to rock on their back and stand.</li> <li>• understand the order that the routine goes in.</li> <li>• movement together.</li> <li>• will confidently be able to perform a teddy bear roll</li> <li>• be able to use their core strength to perform a back support.</li> <li>• understand how to perform a forward roll safely.</li> <li>• confidently be able to perform a forward's roll.</li> <li>• be able to be a gymnast while they are performing a forward roll.</li> <li>• be able to identify one area of the routine they need to improve and practice it.</li> </ul>

# COMPUTING- Powerpoint Presentations

# ART/DT – How to make a volcano

Through the topic the children will...

Through the topic the children will investigate the following key questions...

Through the topic the children will...

Through the topic the children will investigate the following key questions...

- insert clipart and photos into Powerpoint
- insert 2 different images into Powerpoint
- insert sound into Powerpoint
- add transitions and effects into Powerpoint
- produce a high quality Powerpoint using new skills
- present topic using Powerpoint in front of an audience

- **What is a Powerpoint, why do we use them and how do you insert images into Powerpoint?**
- **How can I insert pictures from the internet into a Powerpoint?**
- **How do I insert sound into a Powerpoint?**
- **How do I make my slides look more interesting to an audience?**
- **How can I present what I am learning in Geography to an audience using Powerpoint?**
- **How can I use Powerpoint to help me present information to an audience?**

- improve their mastery of art and design techniques
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- use a range of materials creatively to design and make products
- use drawing, painting and sculpture to develop and share their ideas, experiences and imagination
- use a range of materials creatively to design and make products
- use drawing, painting and sculpture to develop and share their ideas, experiences and imagination
- improve their mastery of art and design techniques
- refine work and techniques as work progresses, continually evaluating the product design.
- test and evaluate product design.

- **How can I paint without a paintbrush?**
- **What happens if I mix crayons and paints?**
- **How can I make a model volcano which will erupt?**
- **How can I make my model rigid and give it shape?**
- **How can I construct the layers of ash and lava?**
- **How can I make my Volcano erupt?**

PHSE+C – Dreams and Goals		MUSIC – Ukulele and Musical Theory
Through the topic the children will...	Through the topic the children will investigate the following key questions...	Through the topic the children will learn...
<ul style="list-style-type: none"> <li>• tell you about some of their hopes and dreams.</li> <li>• understand that sometimes hopes and dreams do not come true.</li> <li>• know how to deal with disappointment.</li> <li>• overcome disappointment by making new goals.</li> <li>• know how to achieve a goal as part of a group.</li> <li>• identify the contributions made by themselves to the group's achievement.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>What is my dream?</b></li> <li>• <b>What is resilience?</b></li> <li>• <b>How can I handle disappointment?</b></li> <li>• <b>How can I demonstrate resilience?</b></li> <li>• <b>Can I work in a team?</b></li> <li>• <b>What makes a successful team?</b></li> </ul>	<ul style="list-style-type: none"> <li>• to play instruments, perform and share pieces using the ukulele taught by Newcastle Music Service</li> <li>• play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression</li> <li>• improvise and compose music for a range of purposes using the inter-related dimensions of music</li> <li>• listen with attention to detail and recall sounds with increasing aural memory</li> <li>• use and understand staff and other musical notations</li> <li>• appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians</li> <li>• develop an understanding of the history of music</li> </ul>
Modern Foreign Languages – Spanish		
Through the topic the children will...	Through the topic the children will investigate the following key questions...	
<ul style="list-style-type: none"> <li>• read, write and understand types of weather in Spanish</li> <li>• read, write and understand the main compass directions in Spanish</li> <li>• locate major cities on a map of Spain</li> <li>• compare and contrast the climate in Spain to England and describe what the weather is like in certain areas.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>How do Spanish people say the days of the week?</b></li> <li>• <b>How do Spanish people say the months of the year?</b></li> <li>• <b>How do Spanish people say the seasons of the year?</b></li> <li>• <b>How is Christmas celebrated in Spain?</b></li> <li>• <b>How is Christmas celebrated in Spain and how does it differ to the way we celebrate?</b></li> </ul>	