

## D&T

Our topic this half term is **Mechanisms: Making a moving Loch Ness monster**. We will:

- Identify the correct terms for levers, linkages and pivots.
- Analyse popular toys with the correct terminology.
- Create functional linkages that produce the desired input and output motions.
- Design monsters suitable for children, which satisfy most of the design criteria.
- Evaluate our two designs against the design criteria, using this information and the feedback of our peers to choose our best design.
- Select and assemble materials to create our planned monster features.
- Assemble the monster to our linkages without affecting their functionality.

## Science

Our topic this half term is **Animals, including humans**: We will:

- explain the basic stages in a life cycle for animals, including humans.
- describe what animals and humans need to survive.
- describe why exercise, a balanced diet and good hygiene are important for humans.
- carry out simple tests.
- identify and classify animals.
- suggest what I have found out.
- use equipment to make observations & ask scientific questions.

## RE

Our topics this half term are: **Signs & Symbols (Baptism)** and **Preparation (Advent)**. During these topics we will explore scripture and we will:

- be able to recognise the signs and symbols used in baptism.
- use some religious words and phrases used in the Sacrament of Baptism.
- be able to recognise that Christians act in a particular way because they are members of the Church family.
- be able to use religious words and phrases to describe some actions and symbols used in baptism.
- be able to describe some ways in which Christians live as followers of the Light of Christ.
- understand how we prepare for Christmas.
- think about the conversation between Mary and the Angel Gabriel.
- know how Mary and Joseph prepared for the arrival of Jesus.

## Music

Music will be taught by Mr Doherty from Rochdale Music Service.

**What makes Britain, Britain?**  
**Year 2 Autumn 2**

## Maths

Along with daily Mastering Number sessions and arithmetic practice, this half term we will be exploring Number, more specifically Calculations. We will become fluent and explore reasoning and problem solving activities. Some of the objectives that we will be covering include:

- Add and subtract a 2-digit and 1-digit number –crossing ten
- Add and subtract two 2-digit numbers
- Add and subtract two 2-digit numbers –crossing ten –add ones and add tens
- Bonds to 100 (tens and ones) and add three 1-digit numbers
- Select money and make the same amount
- Compare money
- Find the total/difference/change
- Two-step problems

## English

This half term, the key text focuses will be: The Queen's Handbag and other stories from around the UK such as 'Nessie, The Loch Ness Monster'. We will:

Writing	GPS
<ul style="list-style-type: none"><li>• Write a character description based on a character from a known story</li><li>• Write a speech by the Queen</li><li>• Write a diary entry in role</li><li>• Sequence and retell a known story</li><li>• Write a tourist guide of the UK</li><li>• Write a Christmas poem</li></ul>	<ul style="list-style-type: none"><li>• Beginning and end of sentence punctuation:<ul style="list-style-type: none"><li>• Capital Letters</li><li>• Full Stops</li></ul></li><li>• Recognise the 4 sentence types</li><li>• Begin to write expanded noun phrases</li><li>• Identify word classes:<ul style="list-style-type: none"><li>• nouns</li><li>• verbs</li></ul></li></ul>

## Geography

Our topic this half term is **What makes Britain, Britain?** We will:

- Explore how the UK is made up of the 4 countries- England, Northern Ireland, Scotland and Wales. Inc. Locating the 4 countries on a map, globe and atlas and know that we live in England and it is in Europe.
- Use aerial photographs to identify human and physical features and landmarks in the UK and explain the difference between a village, town, city and country.
- Know that countries have capital cities. Inc. Know that the capital city of England is London, Wales is Cardiff, Scotland is Edinburgh and Ireland is Belfast – locating the capitals on a map, globe and atlas.
- Ask enquiry questions and be able to talk about characteristics of the capital cities eg Edinburgh Castle is one of the most famous castles, Buckingham Palace is in London.
- Know that seas surround the UK. Inc. naming and locating the seas that surround the UK.
- Use compass points and locational knowledge to describe the position of countries and seas in relation to each other.