

**Year 5**

# Topic List



**Class Teacher: Mrs Benashur**

**Teaching Assistant: Mrs Qudratullah**



**Autumn 2  
2020**

## MATHS

### Number & Place Value

We will focus on comparing and ordering whole numbers and decimals, and on equivalence in relation to proper fractions and decimals.



### Addition & Subtraction

We will provide in-depth revision of the four operations, including calculation strategies and the inverse relation between addition and subtraction, multiplication and division.

### Geometry

We will focus on the concept of angles as degrees of 'turn', and on comparison, identification and measurement of angles.

## SCIENCE

In forces we will teach students about types of forces such as **gravity, friction, water resistance and air resistance**. Children will also learn about the use of **mechanisms such as levers, gears and pulleys**.



The children will **identify forces and find out about Isaac Newton** and his discoveries about gravity, completing a comprehension about his life and his work. The children will **look for patterns and links between the mass and weight of objects**, using newton meters to measure the force of gravity. They will also work collaboratively to **investigate air and water resistance**, participating in challenges to design the best parachute and boat.

They will have the opportunity to work in a hands-on way to explore friction, developing their own brake pad for a tricycle or scooter. During some of the practical science work, the children **will discuss how variables other than the one being tested can be kept the same to help make a test fair**.

Finally, they will find out about different mechanisms, including **levers, gears and pulleys, and will design their own marvellous machine**.

## PE

- Developing transferable skills in throwing, catching and moving.
- Explore different ways of throwing and catching and applying them in modified games.



## ENGLISH

### Animals on the Move



In this unit, the children explore the Big Question: Which animal makes the toughest migration? They read the interactive eBook, using the skills of skimming and scanning to find answers to questions and using the organisational features of the eBook to find information. They revise and develop using relative clauses to present information clearly. In their writing task, children plan and write a chronological report about a specific animal migration.

### World War II

The children will study fiction & non-fiction texts relating to the Battle of Britain. They will use what they have learnt to answer comprehension questions and write their own recounts, propaganda posters and historical stories about this major turning point of World War II.

## HUMANITIES

In this unit, the children find out about **how goods and services are traded around** the world. They will explore the UK's trade links today and, in the past, finding out about **goods imported and exported and the methods of transport used**. Through a more detailed look at one of the UK's trade partners, the children will learn about **the benefits of trading internationally**, as well as the risks to this area. The children will also learn about **fair trade and why it is important in a global market**.



## ART/ D&T

Structures topic gives children opportunities to develop their understanding of more complex freestanding structures and how they can be strengthened and reinforced.

Children will gain knowledge and understanding about how to join and shape materials. They will then apply these skills, using an iterative design process, to create their marble runs.

Finally, children will test and evaluate their marble runs against design criteria



## COMPUTING

Website creation - Pupils will create their own HTML website.



Pupils will learn how to use various commands and features in order to bring to life their first website.

## PSHE

This unit is inspired by the idea that we are all individuals and that it is important to 'be yourself'. It aims to encourage the children to develop a positive view of themselves and enable them to recognise the importance of being proud of their individuality. In this unit, children focus on the importance of recognising situations where they need to make positive choices in order to do the right thing. They also explore how to avoid being led into tricky situations and how to recognise and respond to peer pressure. It will also look at how to be confident and how to manage uncomfortable feelings. The unit ends by helping the children to investigate how to make things right when they make a mistake.



## URDU

### Clothes/Libaas/Kapray



Comprehension activities related to the topic.

Make statements about clothes, Favourite clothes, winter and summer clothes.

Read, translate and write sentences.

## QURAN

**Memorisation:** Surah al-Mutaffifeen, al-Infitarl

**Revision:** All previous surahs

**Recitation:** continue from surah al-Baqarah

**Tajweed Rules:**

➤The letters of Qalqalah: ق ط ب ج د

➤The rules of Meem Sakin ( ) idgham Shafawi, Ikhfaa Shafawi, Izhaar Shafawi)



## ISLAMIC STUDIES

1. Sīrah: A Review of the Sirah so far
2. Sīrah: The Battle of Badr (Ramadan, 2 AH)
3. Sīrah: The Battle of Uhud (Shawwal, 3 AH)
4. Sīrah: The Battle of Ahzab (Dhul Qa'dah, 5 AH)
5. Sīrah: The Treaty of Hdaybiyah (Dhul Qa'dah, 6 AH)
6. Sīrah: Message of Islam Spreads – Diplomacy (6 AH)
7. Sīrah: The Opening of Mecca (Ramadan, 8 AH)



## ARABIC

1. Pupils to review basic Arabic topics like greeting - days of the week - Numbers Adjectives which have been thought two years ago ....etc
2. Pupils to learn from text books ( Kitabi , Al Arabiyah bayna yadayk - Master Arabic about the following topics:-
3. Talk & write about myself and my family by saying name, age ,which school I go , where I live and with who. اسمي - عمري - انا من
4. Pupils to practise Arabic grammar to learn about Nouns - 1, 2 & 3 person pronouns.
5. ضمير المتكلم - المخاطب - الغائب -
6. Pupils to learn how to use attached pronouns "my - his - her - his with nouns to indicate possession.
7. Pupils to learn the rules of making the nationalities.

