

## Maths

**Autumn 2** We will continue to consolidate mental and written methods for the four operations: multiply 4-digit by 2-digit numbers using written method; using written methods to divide; use common factors to simplify fractions; compare and order fractions; add, subtract, multiply and divide fractions; find fractions of amounts.

## English

**Autumn 2** – We will be exploring a range of non-fiction genres this half term, using *Heroes: True Stories of Courageous Animals* as a stimulus. We will write a balanced argument about whether animals should be used in war using conjunctive adverbs and modal verbs. Then we will use organisational devices such as headings, subheadings and bullet points to write a non-chronological report.

## PSHE - Thursday

**Autumn 2** – Our topic this half term is 'Celebrating Difference.' Children will explore a range of disabilities and consider how disability can affect someone's life. They will also consider the role of power in relationships, and think about the reasons why some people use bullying behaviours. We will discuss how difference can be a source of conflict and a cause for celebration.

## Computing - Wednesday

**Autumn 2** – We will be using Sphero to complete a range of coding projects. Children will use Sphero software to build coding for a specific outcome, for example to make the Sphero robot trace their favourite 1-digit number. We will be set a range of challenges where we have to write a programme to solve. This will involve sequential steps and lots of debugging!

## Geography - Wednesday

**Autumn 2** – This unit is based around the geographical diversity of China. The children will be able to locate China's regions and key cities on a map of China and will develop an understanding of China's main physical and human features. They will identify geographical similarities and differences between different regions in China, and between Shanghai and Gateshead.

## Design Technology - Friday

**Autumn 2** – This unit allows children to develop criteria to design their own carousel fairground ride. They will learn about the designer of the first carousel and how it was powered. The children will add a circuit including a motor to their design to make their carousel move.

## Science - Monday

**Autumn 2** – Our topic this half term will be 'Electricity'. We will associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit, compare and give reasons for variations in how components function, and use recognised symbols when representing a simple circuit in a diagram.

## Religious Education - Thursday

**Autumn 2** – Our topic is 'Incarnation'. Children will explore the place of Incarnation and the Messiah within the 'big story' of the Bible. They will explain connections between biblical texts and discuss how Christians put their beliefs about Jesus' Incarnation into practice in different ways in celebrating Christmas.

## Physical Education - Tuesday and Thursday

**Autumn 2** – In this unit pupils will create and link a range of dance actions using gestures, formations and contrasts in movement patterns. Pupils will demonstrate creativity and develop functional and skillful control of the body as an instrument of expression and communication. Students will work with a partner or in small group and evaluate and assess movements in order to improve. Children will also go swimming.

## MFL - Thursday

**Autumn 2** – By the end of this unit, we will be able to understand better what personal/subject pronouns are, and about the concept of verb stems and endings. We will be able to conjugate easily and with clear understanding regular -are, -ere and -ire verbs.

## Music - Tuesday

**Autumn 2** – Children will begin to learn how to play the guitar, using chords and notes. We are focusing on learning notation and development of sight reading. We will begin to compose pieces of music using the notes and chords that we have learnt.

## Reading

Reading is an invaluable part of your child's education and is key to learning in all subjects across the curriculum. We aim to develop our children into confident and fluent readers, and to broaden their vocabulary, by exposing them to a rich diet of high-quality texts from a range of different genres.