

## Numeracy

**Mental Maths:** We will continue to consolidate mental calculation strategies. It is essential that your child continues to rehearse as many of their times tables as possible— please test them and encourage them to practise at home.

**Using and Applying:** We will be using written calculations to solve a range of multi-step problems in addition and subtraction and apply multiplication and division to help understand inverse operations. We will provide real life contexts wherever possible.

**Number:** Our focus for this term will be on relating number to adding and subtracting numbers away from 4, 5 and 6 digit numbers, estimating numbers to the nearest 1000 . As well as ensuring that children are familiar with reading Roman Numerals, they will also explore the relationship between fractions, decimals and percentages through a range of contexts relating to measures and money.

**Shape:** We will focus on properties of 2D and 3D shapes as well as position and direction and problem solving in relation to time. We will also consolidate work on finding the areas of regular and irregular shapes and measuring capacity.

**Data Handling:** We will explore interpreting patterns in tables, line graphs a charts in relation to maths , science and our IPC topic.



## Literacy

**Guided Reading:** We will be evaluating how authors use language to impact the reader and how language is used to create mood or build tension. Also during our guided reading sessions children will be developing their questioning, inferring, summarising, clarifying, predicting and making connections skills. **Our Focus Author this term will be Louis Sachar.**

### Biographies and autobiographies

Use biographies of Louis Sachar and famous astronauts (both books and online) and their autobiographical writing to identify features of biographies and autobiographies. Use the texts to study dialogue, noun phrases and complex sentences.

### Classic fiction

Children explore the charm and challenge of classic fiction, (The Jungle Book and A Collection of Rudyard Kipling's Just So Stories).

Children will write a modern-day Jungle Book story, Just So Stories diary entries, and tell outrageous lies, courtesy of conjunctions. The unit ends with children performing their own Just So Story in Kipling's style.

### Recounts

Using the context of UFOs, children explore recounts investigating genuine documents, discussing famous sightings and researching notorious hoaxes. Children write a diary entry and create their own hoax UFO photo and report.

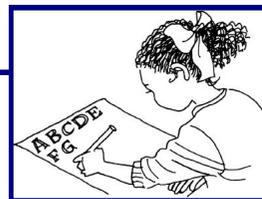
### Observational poetry

This unit encourages children to think about how poetry can make the ordinary extraordinary. Children make careful observations, imagine winter as a person, examine observational art and produce paintings to inspire them to write their own poetry.

### Instructions and Explanations

Hover boards and Doggie Umbrellas meet new-fangled escalators and dial telephones in a unit, which explores instructions and explanations in the context of changing technology. Children try pitching in the Dragon's Den and create guides for futuristic travel.

**Please remember to record comments in the reading record books about your child's reading at home; they will be encouraged to bring a range of books back from class. We are intending that children bring back their reading folders every time they work with an adult in guided reading (twice weekly).**



Learners

Achievers

Friends

## Curriculum Information Autumn Term 2017



Year 5  
( Birch and Willow)



## PHSCE

Each week children will consider and reflect on Key Values and this will be discussed and developed through one, some or all of the following:

School Assemblies, Class Assemblies, Circle Time and discrete subject lessons.

Children will also be considering key elements or values that tie into the Benthal Values.

## RE

This term the children will be looking at the Sikh religion. Children will be learning about the major Sikh festivals and what it means to be a Sikh.

We will also be exploring the traditions of the Pesach Festival.

## ICT

We will be covering the topic 'Programming and Control'.

Children will create non-traditional presentations using a range of software program tools.

They will use technology to help them present their work, input data and follow and program instructions.

# Year 5 Curriculum Information

## SCIENCE

In Science, we will be covering the topic of 'Earth, Space and **Forces**.' The children will be:

- Describing the Sun, Earth and Moon as approximately spherical bodies.
- Using the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.
- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- Identifying the effects of air resistance, water resistance and friction, that act between moving surfaces.
- Recognising that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

## Physical Education

P.E is on Wednesday and Friday afternoon's for both classes. Children will need to bring in the correct PE kit to be able to take part in these sessions.

The children will be expected to wear a white t-shirt, black shorts or jogging bottoms with black plimsolls or trainers.



## BCC

Our theme for the **Benthal Creative Curriculum** this term is '**Earth and Beyond**. This topic will cover various areas of the National Curriculum such Art, Geography, History, ICT and Science.

In this unit we'll be finding out about the Solar System and in particular Mars, exploring the idea of the possibility that the planet could sustain life and the setting up of a colony there.

We will be finding out about:

- Geographical features on Earth and other planets in our solar system.
- Historical moments such as the Moon Landing
- The affect that gravity has in our solar system

This term's art and DT will focus on creating a model of a shelter that we could live in on Mars. The children will use their knowledge from previous lessons to design, make and evaluate a shelter for a specific purpose. Please encourage your children to conduct research about the Solar system at home and bring in "junk modelling" equipment for designing and building their shelters.