

## Reading

We will be focusing on comprehension skills this term, developing strategies to check that the book makes sense to us and exploring the meaning of words in context. We will also be using questioning to deepen our understanding of texts and develop inference skills. We will focus on a range of texts, including a range of narrative and non-fiction texts and will link these to our project learning wherever possible.

We will be using our reading skills to research the Solar system, using a variety of reading texts, including the internet. We will build up a vocabulary of technical words which will also link in with our writing.

## Writing

We will be building on the work done in Year 4 by looking at narrative writing (a lost and found story), a non-chronological report (based on our Space research), in addition to exploring and performing poetry. We will be looking at the composition of our writing, ensuring that the use of paragraphs is secure and effective and will explore the use of characterisation to make our narrative writing exciting.

We will concentrate on the consolidation of punctuation and sentence structure from Year 4, whilst working to master a range of methods to embellish sentences such as the use of embedded clauses, the use of clauses and fronted adverbials to start sentences and the use of subordination. We will also continue to develop appropriate spelling patterns.

To ensure our writing has a clear purpose, we will be linking it closely to our Space topic.

## Maths

### Core skills for mental maths:

We will be working on adding and subtracting mentally with increasingly large numbers, as well as multiplying and dividing numbers mentally drawing upon known facts. We will also be working on multiples, factors and prime numbers to challenge our existing knowledge.

### Written methods:

Using written methods, we will be working on mastering the skills of adding and subtracting whole numbers with more than 4 digits. We will be looking at fractions, decimals and percentages and linking what we know about them together. We will also be using the short multiplication and division methods. We will be challenging ourselves through the application of our mathematical skills to a range of problems and investigations.

### Maths facts:

In maths facts this term we will be covering number bonds (including decimals), multiplying and dividing by powers of 10 and practicing our mixed times tables.

### How we will use maths in our project:

We will be measuring and comparing distance of the planets and creating our own scale model of the Solar System. We will also be measuring lengths of materials in DT.

## Year 5 Project Autumn 2016

Our driving question is: **What is worth exploring in Space?**

As a key part of this project, we will be focusing on developing our scientific knowledge and investigation skills. By the end of this topic the children should be able to describe the movement of the Earth and other planets, relative to the sun in our solar system. Furthermore, they should be able to use the idea of the Earth's rotation to explain why we have night and day and seasons. They will be able to recognise how shadows are formed and explain why they change size and shape throughout the day.

Following on from how enthusiastic the children were about Tim Peake's expedition to the International Space Station last year, we have signed up to the Time Peake Primary Project and children will be completing cadet missions as part of their science learning.

### Visits and events:

We are planning a trip to the National Space Centre in Leicester. Further details will follow shortly.

## Other learning

### PE:

Indoor PE will be focused on indoor games and we will be developing teamwork, communication and agility skills. Outdoor PE will be invasion games and we will be developing communication, tactics, team work, sending and receiving skills.

### Computing:

In Computing this term, we will be using databases to do research as well as using a variety of programs to present a range of multimedia information. We will also look at keeping safe on the Internet.

### RE:

The fundamental British value we will be exploring this term will be the mutual respect and tolerance of others' differences whilst learning to respect and value ourselves.

### DT/Art:

This term we will be making a wooden structure. We will be selecting and using tools and equipment to join and combine a range of materials using appropriate methods. We will build frameworks using a range of materials and strengthen the frame using diagonal struts.

**Please help by:**

- Finding out information about Space with your child.
- Supporting your child's reading by frequently listening to them read and discussing the text with them.
- Helping your child with learning log tasks.
- Encouraging neat presentation of any written learning.
- Going through their times tables.
- Continuing to support your child with their targets.
- Encouraging your child to use Mathletics, the DB platform and Reading Eggs.

**Learning logs:** Learning Logs will be given out on a Friday and should be returned to school no later than the following Wednesday, unless stated otherwise. Learning Logs will be linked to our learning in maths, literacy or topic.

**Reading books:** Reading books will be changed weekly. New books will be given out on a Friday afternoon. It would be helpful if books could be returned by Wednesday to enable them to be changed on time. Please could you also ensure that your child's reading record is signed by an adult.

**PE:** Year 5 PE days are Monday (indoor) and Thursday (outdoor) for both Lilac and Larch. Please ensure that your child has a PE kit in school on the appropriate days, including suitable outdoor footwear and clothing. Please can long hair be tied back for PE.

**Food and drink:** Please ensure your child has a bottle of water in school every day. Children are also encouraged to bring a piece of fruit or a healthy snack for morning break.

The children have settled very quickly and confidently into Year 5 and we have been very impressed by their mature attitude to learning. As we start our exciting year of learning together, we would like to thank all parents and carers for their continued support and look forward to working with you this year to ensure the best possible outcomes for your child.

Mrs Davies, Miss Hill, Miss Mushtaq and Miss Meehan

Year 5 team