

### How can you support your child at home?

#### **Reading Reading Reading!**

We believe that the most important thing that parents can do at home to help their children achieve at school is to share books with them.

Reading can help children access other curriculum areas.

Reading can help children become good writers.

Reading can help children communicate well.

Please go to the website for further details about how you can help with your children's reading.

#### **Maths**

Please support your children in securing their number facts as these underpin much of the mathematics children will be working on in school and using in everyday life. These include number bonds to any number up to 20 e.g.  $7=1+6$ ,  $7=5+2$ ,  $7=3+4$ , and the 2,3,5 and 10 times tables. Could you also encourage them to use reasoning as much as possible so that they can explain to you how they got to a mathematical answer and why they think their answer is correct.

#### **Spellings**

Please support your children in learning the weekly spellings that we send home.

**We hope that this leaflet provides a sufficient overview of what your children will be learning over the next term, but if anything is unclear or you would like to discuss it in more detail please don't hesitate to come and see one of us.**

### GOAL

GOAL stands for Get On And Learn. We believe that children learn best when they have ownership of their learning. We also believe that encouraging independent learning skills supports a child in their future education. GOAL provides these two things, with pupil voice at its heart and independence encouraged throughout.



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## Year 5 Curriculum Letter Autumn Term 2018/19

# How does our earth and space impact on my life?



### Key Dates for the Term

Half-Term: 19th -29th October

Class Assembly: 5JJ: Tuesday 4th December  
5F: Thursday 13th December

Rainbow Day: Friday 16th November

Family Learning Conferences: 8th and 11th October 4pm-7pm

Planetarium: Friday 28th September

Last day of Term: Friday 21st December

# Curriculum Letter

## Year 5—How does our earth and space impact on my life?

### The Big Picture



### Pupil Voice Questions

- Charlotte – Why do planets orbit the sun?
- Edward – How does the earth go around the sun?
- Sol – How does gravity work?
- Emily – What is gravity like on the moon?
- Jack – Why is there no gravity in space?
- Mia – How does a rocket work?
- Teddy – What is the difference between gravity in water and on the land?

As readers, we will read a variety of genres, in both fiction and non-fiction. We will be focusing on a variety of skills to help us comprehend texts more deeply and be happy to ask 'What does that mean?' when we are unsure of new vocabulary.

As writers, Fiction: We will be using the graphic novel 'The Invention of Hugo Cabret' by Brian Selznick. The images and cliff-hanger chapters will be a stimulus for the children's creative writing.

Non-fiction: The children will be creating their own report based on the text 'Extreme Animals' by Nicola Davies. They will research facts about their favourite animal and, using a variety of report writing techniques, create their own.

We will continue to work on improving spelling and the children's cursive handwriting. Also, we will be broadening the range of punctuation that the children use in their independent writing as well as their understanding of key grammatical concepts.

In GOAL the children will do the following:  
The Mayans.  
We will focus on three main areas:

- Chronological understanding—using their mathematical skills to order and work out the lengths of different time periods.
- Knowledge and interpretation: describing and comparing historical periods.
- Historical enquiry: using artefacts and sources to learn about event.

In GOAL the children will do the following:  
As Scientists, we will be developing our knowledge about 'Earth and Space', covering the solar system, the transition between seasons and why we have day and night. This will be linked to our topic work on the Mayans who had a keen interest in astrology.

We will also investigate forces, including the effect that gravity has upon objects, the effects of different types of friction and how mechanisms can use a smaller force to exert a greater one.

We will be working hard to improve our investigative skills by designing our own experiments, making predictions and observations and using these to draw conclusions.

As Mathematicians, we will be investigating and developing our knowledge of place value and how to multiply and divide by 10, 100 and 1000. We will also be improving our appropriate use of written methods when adding, subtracting, multiplying and dividing. Furthermore, we will be improving reasoning and how to accurately and concisely explain our understanding. With shape as a focus, we will be developing our understanding of angles and their relationships with shapes.

As gymnasts, we will develop gymnastic sequences of movement using floor space and apparatus. There will be a large focus on how we hold our body when still and moving. After half term, indoor PE will focus on dance and how to travel and create group performances. As sports people in outdoor PE, we will focus on invasion game skills and throwing and catching skills.

As computer experts, we will learn to plan and create our own computer games, learning more about coding and what makes a 'good' computer game. We will also develop our understanding of how to 'crack' codes, how to use a variety of software and why it is important to have an increasingly secure password.

### Rainbow Values

Enjoyment	Potential	Thinking	Motivation
Children will enjoy the work that we do about space and the visit that we get from the planetarium which will allow the children to see even more of our galaxy!	Children will be looking to fulfil their potential across the curriculum with our new vocabulary focus. We will ensure that as many words as possible are discussed in school and ask that you do the same at home.	Children will be developing their thinking across the curriculum but will have to align their bodies and minds in PE so that they think carefully about how they move their bodies and what effect this will have on the sport they are doing.	We are going to be motivated in GOAL by finding the answers to the questions that we raised during our pupil voice and use a range of sources, such as books, images and the internet to do so.