

YEAR GROUP: Years 4 and 5

DATE: Term 1 and 2

TIME ALLOCATION: Term 1 and 2

TEACHERS: Mrs Jesson and Mrs McLearnon

Literacy

As readers we will be exploring the topic of Space through newspaper reports of the Moon Landings, fictional stories such as 'The Sea of Tranquility', information texts including encyclopaedias, poetry and play scripts.

As writers we will use our imaginations to describe what it would feel like to be in Space, and we will write our own newspaper reports. We will also be designing and describing our own aliens and creating booklets for visitors to fictional planets! We will also develop a play script based on our work about aliens.

As communicators we will discuss and share our ideas about Space and we will justify our reasons for our opinions. We will present our knowledge about the moon landings through news reports and we will film ourselves presenting the news.

Maths

As mathematicians we will be following the curriculum for year 4 and 5. We will start to use larger numbers in our maths and understand what the digits represent. We will be revisiting and consolidating both mental and formal written methods for addition, subtraction, multiplication and division. We will practise using the formal methods accurately using larger numbers and decimals too. We will practise responding to arithmetic questions quickly, accurately and confidently. We will also use all four operations with decimals and money. We will use all these methods and apply them to missing number questions using inverse operations. We will also use these skills and develop our problem solving skills solving more difficult one and two step problems. We will continue to practise our times tables so that we know them by heart, practising for the weekly cracking times tables tests. In maths linked to our theme we will identify the parts of a circle and draw them using compasses to create planets. We will weigh amounts of moon dust and have a go at some space baking.

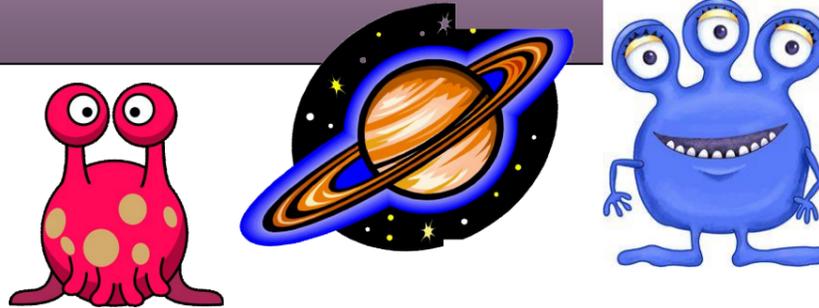
Science

As scientists we will learn about the solar system and the planets. We will find out the order of the planets and ways of remembering the order. We will find out about each planet and create a guide for visitors. We will investigate scientific and historical evidence discussing the shape of Earth. We will prove that the Earth moves round the sun; that the moon moves around the Earth; and that the seasons and day & night are all a consequence of these movements. We will investigate why the moon appears to change shape throughout the month and look at the phases. We will find out about the stars, complete and star gazing evening and put Professor Brian Cox to shame by filming our own star gazing live episode. We will find out about an astronaut's trainings, we will investigate what gravity is and how it effects them.

Computing

As computing experts we will use ICT to research information to find out about the planets and the solar system. We will complete coding and programming sessions and program space probes using Roamers. We will look at how to stay safe when using the internet and how to email safely.

OUT OF THIS WORLD!



TOLETHORPE Year 4 and Year 5 Term 1 and 2 2016

Year 4 and 5 will be enrolled on the astronaut training programme by completing missions throughout the term. We will find out all about space and then discover exactly how astronauts train for the job. We want to find out all about astronaut life using Tim Peake as a role model.

We will aim to visit the Space Centre in Leicester to consolidate all our learning.

Physical Education

Throughout our physical education sessions we will be learning netball skills. We will develop a number of netball throws and practise catching accurately. We will find out and practise netball footwork and play small sided games to practise the skills. We will find out about the positions in netball and play games. With Premier Sports coaches we will develop our Basketball skills in preparation for Basketball competition in Term 2.

Foreign Languages

In French we will be revising our vocabulary of colours and numbers and we will be learning different ways to greet different people. We will be learning how to introduce and give a description about ourselves and our likes and dislikes.

Religious Education

As religious educationalists we will be learning about the symbolism of light and dark across different religions. We will explore how religious people use these symbols and the children will enquire into the ways different religions use the symbols of light and darkness in their celebrations, rituals and worship and their ideas about good and evil.

We will also be thinking and having discussions about the Big Bang theory as well as Christian and other creation stories, and the similarities and differences between them.

Geography

In Geography we will be looking briefly at the countries involved in the Space Race and locate them in the world. We will look at the view from space and locate and name the continents and oceans and seas. We will remind ourselves that we only have one planet Earth and investigate environmental issues that are threatening our world.

History

As Historians we will look at the history of space travel and the Space race. We will place events of a timeline in chronological order. We will find out about astronomy in History and discover when the telescope was invented (Galileo). We will compare ways in which astronauts and scientists explore space today (such as the Hubble telescope, observatories, space stations, space shuttles and more) and how events from the past have enabled these to happen.

Art and Design

As artists we will be looking at and appreciating the work of Peter Thorpe. We will recreate pieces of art using Peter Thorpe's work as inspiration. We will look at the planets and use different art techniques to create the surfaces of the planets, investigating different textures.

Design Technology

As designers we will design, create, evaluate and modify balloon powered moon buggies! We will use recyclable materials and think carefully about our design. We will measure the distance our moon buggies travel and see who can make their moon buggy travel the furthest.

Music

As musicians we will be listening to a range of music from various musicians and composers. We will appreciate the work of Holst's Planets. We will explore the different stages in the journey of a spaceship and about how different sounds and instruments can create different effects for each stage before composing their own piece of music to convey the journey of a spaceship.