

# Badger Class

## Spring 2022

Dear Families,

This term Badger class will be finding out all about space, the planets, the moon and planet Earth.

We have some exciting events happening later this term we would like to note down in your diaries:

Trip to the Institute of Astronomy on 24<sup>th</sup> January

Visit from University of Durham – God and the Big Bang on 25<sup>th</sup> January

- Number Day on 4<sup>th</sup> February
- Parent consultations:  
Mrs Francis 3.30 – 5.30pm - Tuesday February 8<sup>th</sup>  
Mrs Holtby 4 – 7pm - Wednesday February 9<sup>th</sup>
- World Book Day on 3<sup>rd</sup> March
- Ranger Day Experience at Wimpole on 10<sup>th</sup> February

How to help at home: Please provide time and a space for your child to complete their homework and hand in on time. We also ask that children be encouraged to read regularly and practise their spellings and times tables.

Any opportunities for family visits to relevant centres during the holidays and weekends are greatly encouraged!

Regards, Mrs Francis and Mrs Holtby ☺



	Key Skills and Knowledge
Main Topic: Science	<b>Earth and Space / Forces</b> Learn all about the movement of the earth and moon (relative to the sun) Explain how day/night happens. Learn about how unsupported objects fall to Earth because of gravity, the effects of air resistance, water resistance & friction.
WOW moments	<b>Astronomy trip</b> <b>God and the Big Bang visit</b>
Critical thinking	<b>Think critically about the direct evidence that we have in order to make a hypothesis: after all, the world does look flat but it doesn't mean that it is.</b>

	Key Skills and Knowledge
History	<b>Space Race</b> Learn about the Space Race in the 20 <sup>th</sup> Century between the different countries. Learn about the Moon Landing. First Briton in space: Helen Sharman.
Geography	<b>Major countries of the World</b> Linking with the Space Race, have a good knowledge of the changes in countries in particular USA and USSR/Russia.
Critical thinking	<b>Why go to space?</b>

	Key Skills and Knowledge
English	<p><b>Discussion narrative</b></p> <p>We will be using our class book 'Cosmic' to create a balanced argument based on the question, should Liam be punished for his actions?</p> <p><b>Narrative</b></p> <p>Create a piece of narrative inspired by the film narrative of ET and other texts about an alien landing. Learn how to create atmosphere using sentence structure and vocabulary choices.</p> <p><b>Explanation Text</b></p> <p>Apply their scientific learning to non-fiction piece writing linked to Space.</p> <p><b>Poetry</b></p> <p>Space poetry, applying figurative language techniques learned last term.</p> <p><b>Grammar, Punctuation and Spelling</b></p> <p>Tenses including present and past progressive, word classes, synonyms &amp;onyms, relative pronouns and clauses, varied sentence types, semi-colons and a wide range of other punctuation.</p> <p><b>Reading</b></p> <p>A variety of different texts including texts linked to the topic.</p> <p><b>Speaking and listening.</b></p> <p>Lots of opportunities for discussion, debating, drama and presenting.</p>



Maths	<p><b>Shape and 3D nets</b> Measuring, drawing, recognising a range of shapes as well as naming properties.</p> <p><b>Calculation</b> Practise multiplying &amp; dividing using formal written methods.</p> <p><b>Perimeter, Area, Volume</b> Applying formulae, finding missing lengths.</p> <p><b>Algebra and Ratio</b> Introduction to algebra including using simple formulae and finding unknowns. Ratio and proportion including similar shapes and scale factors.</p> <p><b>Data Handling</b> Understand and create pie charts and line graphs and learn how to calculate the mean.</p>
Critical thinking	<b>Give evidence for opinions. Demonstrate reasoning.</b>

	Key Skills and Knowledge
Art and Design	<p><b>Planets</b> Continue to develop the use of sketch books. Create planet pictures using chalks and shading techniques. We will look at artists inspired by space including an abstract artist Peter Thorpe.</p>
Music	<p>Listen then improvise and compose their own music using percussion instruments. The children will be using the online learning resource 'Charanga' to appraise and accompany pieces of music using tuned and un-tuned percussion instruments. Focus on Benjamin Britten.</p>
Design Technology	<p><b>Mechanisms</b> Design a 'fit for purpose' product, linked to space, using the mechanism of gears and pulleys. Make their product using a range of tools and techniques ending with a full evaluation based on design criteria.</p>
Computing	<p><b>Creating Media</b> Developing a real understanding of what makes a good website by designing and evaluating their own website paying particular attention to copyright, fair use of media, aesthetics and navigation paths.</p> <p><b>3D Modelling</b> Develop their knowledge and understanding of using a computer to produce 3D models.</p>
Critical thinking	<b>Why do people prefer different art?</b>



PSHE	<b>Diversity and Communities</b> Developing a sense of personal identity and self-worth, considering and respecting the needs of others. They will develop their understanding of the negative effects of stereotyping and prejudice, and of the impact of racism, sexism, heterosexism and homophobia in a multi-cultural society.
SMSC	<b>Citizenship</b> Children to think about and consider the questions: How can I persevere and overcome obstacles to my learning? How do I give constructive feedback and receive it from others?
RE	<b>Hinduism</b> How do questions about Brahman and Atman influence the way a Hindu lives? <b>Christianity</b> Should believing in the resurrection change how Christians view life and death?
PE	<b>Gymnastics</b> Body symmetry. <b>Dance</b> On the Beach.
Critical thinking	<b>Should children attend global warming strikes?</b>