

**Our core text for this term:**

**Cosmic, by Frank Cottrell Boyce**



**Questions to ask your child:**

What do you think would be the biggest challenge of traveling to another galaxy?

Why do you think humans are so interested in finding life on other planets?

How do you think space technology, like satellites, helps us in our daily lives on Earth?

**Reading and Writing**



*Cosmic*, by Frank Cottrell Boyce, is a whimsical and heartwarming novel that explores the adventures of Liam Digby, a 12-year-old boy who looks like an adult due to his extraordinary height. When Liam takes advantage of his appearance to pose as a grown-up, he finds himself on an unexpected journey into space as part of a competition for a new thrill ride. Alongside a group of other children, he must navigate the challenges and responsibilities of his pretend adulthood while discovering the true meaning of bravery and friendship. *Cosmic* is a delightful blend of humour, adventure, and touching moments that resonate with readers of all ages.

**Maths**



This term, students will consolidate their maths by applying arithmetic, fractions, decimals, and percentages to real-world tasks like budgeting and shopping. They'll enhance problem-solving through ratio and scale projects, such as planning a holiday. Data handling will involve creating and interpreting climate-related surveys and graphs. This integrated approach deepens understanding and prepares students for secondary education.

**Science**

Human Timeline

We will be learning to:

- Representing data by using line graphs and scatter graphs.
- Plotting points with greater accuracy.
- Reading the value of plotted points with greater accuracy.
- Writing a conclusion to summarise findings using increasingly complex scientific vocabulary.
- Quoting relevant data as evidence of relationships.
- Suggesting with increasing independence how one variable may have affected another.
- Using identified patterns to predict new values or trends.

**History/Geography**

Where Does Energy Come From?

We will...  
Describe the significance of energy.  
Give examples of sources of energy and their trading routes.  
Define renewable and non-renewable energy.  
Discuss the benefits and drawbacks of different energy sources.  
Describe the significance of the Prime Meridian. Identify human features on a digital map.  
Discuss how transport links have changed over time. Locate UK cities on a map.  
Use six-figure grid references to identify features on an OS map.  
Consider and justify the location of energy sources. Design and use interview questions.  
Plot points on a sketch map.

**Art/DT**

Automata Toys

We will...  
Mark, saw and cut out the components and supports of their toy with a varying degree of accuracy to the intended measurements.  
Follow health and safety rules, taking care with the equipment.  
Attempt a partial assembly of their toys using an exploded-diagram, following a teacher's demonstration. Develop a design idea with some descriptive notes. Explore different cam profiles and choose three for their follower toppers with an explanation of their choices. Create neat, decorated follower toppers with some accuracy.  
Measure and cut panels that fit with some inaccuracies to conceal the inner workings of the automata.  
Decorate and finish the automata to meet the design criteria and brief.  
Evaluate their finished product, making descriptive and reflective points on function and form.

**PSHE/RE**

Why is there suffering?

We will...  
Make links between the creation story in Genesis and the concept of suffering.  
Suggest some ideas as to why suffering exists in the world. Discuss passages from Genesis that relate to free will, demonstrating an understanding of context.  
Identify different reasons why humans may make choices that cause suffering.  
Relate stories such as Adam and Eve's choice in Genesis, Jesus' temptation and concepts from other religions to the theme of human wrongdoing and suffering.  
Draw connections between stories from scripture.  
Understand the different perspectives on suffering and divine intervention presented in these stories from scripture.  
Explain why some people turn to prayer during times of suffering.  
Make connections between teachings about Jesus and how some Christians view and respond to suffering.  
Use scripture and personal responses to support their understanding.

**Other**

**Computing**

Identifying some of the types of data that the Mars Rover collects and explaining how The Mars Rover transmits the data back to Earth.



**Music**

Dynamics, pitch and tempo (Fingal's Cave).

**French**

Planning for a French holiday.

**PE**

Orienteering and Rounders.