

MATHEMATICS

This half term the children will start with reading and interpreting information in tables and line graphs. They will use data to answer questions, construct line graphs and complete omitted value questions. Next, we will be studying fractions. We will begin with understanding equivalence and ordering fractions. The children will have the opportunity to represent fractions using different concrete materials so that they can physically compare them. They will then move on to using bar models to help calculate and solve problems using fractions. Towards the end of this unit we will look at decimal equivalence with fractions, leading into reading decimal numbers and using them within calculations.

DESIGN AND TECHNOLOGY

Our design and technology unit this half term is 'Moving Toys'. The class will investigate cam mechanisms and toys that contain them. They will discover how different shaped cams can alter the movement of the follower and how to create a sturdy structure using a variety of tools and techniques. As toymakers we will then have the chance to design, make and evaluate our own moving toy with a cam mechanism.

SCIENCE

In the science topic 'Earth and Space', the children will be studying the solar system. They will learn about the planets in our galaxy and how each orbits the sun. The children will also investigate the causes of day and night and why daylight hours differ throughout the different seasons. Additionally, the children will also investigate how scientists discovered that the Earth is spherical and not flat. The children will be visiting The Royal Observatory planetarium to take an awe-inspiring journey into space!

GODWIN JUNIOR SCHOOL



Y5 SPRING TERM FIRST HALF

CURRICULUM NEWSLETTER

RE

In RE, the children will explore stories from a range of religious traditions such as the story of Adam and Eve (Judeo-Christian), the story of Bilal (Islamic) and the story of the Buddha and Kisagotami (Buddhist). In each, they will be encouraged to look for levels of meaning and to apply what they have learnt to their own experiences.

ENGLISH

Our first topic this term is persuasive texts and we will be focusing on letter writing. The children will start by investigating the characteristics of persuasive writing by evaluating existing letters and advertisements. They will then use the key features they have identified to write their own persuasive letter linked to their geography topic and their field trips to Wanstead Flats.

GEOGRAPHY

The children will be discovering more about life in urban and rural areas of England. Comparisons will be made between the settings and the children will also look at land-use maps of the past and compare these with the present to identify how the landscape of the local area has changed. Using atlases and Google Earth the children will also identify major cities and counties in the UK. To aid their understanding, we will take part in field trips to Wanstead Flats using compasses to navigate and we will look at the impact of urbanisation on the area.

COMPUTING

The pupils will learn more about sharing information securely through an introduction to cryptography (the science of keeping communication and information secret). They investigate early methods of sending messages over distances, learn about two early ciphers, and consider what makes a secure password.

PE

For outdoor PE, the children will develop their passing and throwing accuracy with a particular focus on basketball. They will be taught about positional play, tactics and the importance of teamwork. For indoor PE, the children will learn to create sequential travelling movements during gymnastics. They will also be training to improve their strength and balance.