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In Maths, Bramley Class will continue to develop their work on time, looking at both analogue and digital clocks as well as considering reasoning problems based on the duration of times. They will also use timetables to solving problems involving the conversion of hours to minutes and minutes to seconds. When developing their number skills, the children will look at rounding numbers to the nearest 10, 100, 1000 and 10,000 as well as using estimation and the inverse operation to check their addition, subtraction, multiplication and division calculations. Later in the term, we will look at interpreting and presenting data using bar charts, pictograms and tables. Russet Class will be calculating perimeter, area and volume and using this knowledge to solve missing number questions and algebra questions using the four operations. They will look at ratio and proportion linking this to their fraction and percentages knowledge. The children will also learn about position, reflection and the translation of shapes on a grid.

Ancient Civilisations

Gratitude

The value we will be focusing on this term is gratitude. There have been scientific studies that show there are numerous benefits to being grateful. These include opening up new friendships, improving physical and mental health, improving self esteem and even sleeping better.

Science: This term, Years Three and Four will be looking at what a plant requires for growth and the way in which these vary between species. Additionally, they will be looking at how water is able to move around a plant as well as looking at the functions of the different parts of a plant. Years Five and Six will be looking into the properties of different materials (hardness, solubility, conductive, insulation) whilst investigating how these make them suitable for different purposes.

Start Date: 7th January

End Date: 14th February

Hook:

On Friday 17th January, the children will spend a day learning about the Ancient Shang Dynasty and use their new knowledge to create a play which they will perform to parents at the end of the day.

RE:

Years 3/4 will explore what it means to be a Hindu in Britain today whilst children in Years 5/6 will explore the reasons why Christians believe that Jesus was the Messiah.

IT: Bramley Class will learn to use desktop publishing software, considering careful choices of font size, colour and design layout, as well as editing and improving their documents. Children in Russet Class will create vector drawings. They will learn how to use different drawing tools to help them create images and layer their objects and begin by grouping and duplicating them to make more complex creations.

Take home task options:

Write a story based in the time of one of the civilisations studied this term.

Try writing or painting your name in Chinese calligraphy **or**

Using your publishing skills, create an information fact file about:

- Plants (Yrs 3 and 4)
- Materials (Years 5 and 6)

Due: Wednesday 5th February

How you can support your child at home:

- Reading 5 times a week.
- Talk about what they are learning at school.
- Practice spellings by writing out, colour coding and writing sentences using the spellings in the correct context.

• Learn times tables. Yrs 3 x3, x4, x8 Yrs 4 $\pm$ x3, x6, x7, x9, x11, x12

Yrs 5 and 6 embed their knowledge of all the times tables, learn square and cube numbers.

- Encourage the use of technology to discover more about Ancient Civilisations.