

**Activities**  
 Understand the need for fair testing and reproducibility.  
 Make accurate measurements and record findings.  
 Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.  
 Describe the life process of reproduction in some plants and animals.  
 Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.

**French**  
 The children will develop their ability to communicate effectively in French and understanding of grammar by developing a knowledge of key nouns, verbs and adjectives - learning the rules needed in order to build phrases and sentences on a range of everyday topics.

**Activities**  
 Ask the children to play games using familiar equipment. Listen to their views on which equipment they like best.  
 Teach them different ways of hitting the ball.  
 Help them to hit the ball accurately into spaces, and to different parts of the field, when playing games.  
 Teach them how to position their bodies and their feet to hit the ball accurately.  
 Help the children to retrieve, intercept and stop a ball when fielding.  
 Teach them to get their body behind the ball.

**Computing**  
 Key skills will be taught so as children are equipped to use ICT effectively. We will be using the internet to search for information and make choices when presenting information.

**Physical Development**  
 There will be 2 PE lessons a week - one taught by pro-coaching and focussing on invasion games along with gymnastics.

**Science**  
 Living things and their habitats.  
 Classification of living organisms including microbes.  
 Working scientifically.

**Activities**

- Introduction to Mesopotamia.
- Building Baghdad.
- The House of Wisdom.
- The Mongol Attack on Baghdad in 1258

**History**  
 The children will study Baghdad (AD 900) studying laws, culture and the civilisation.

**Baghdad, Assyrian Empire and early Islamic civilisations**

**English**  
 During the term, the children will apply their non-fiction skills to recording the events of the Shackleton Expedition to Antarctica with a view to writing a biography and later in the term an autobiography. A unit of narrative will be explored where the children will be expected to empathise with characters within the text. The children will have opportunities to edit and refine their writing.  
 Remembrance week will have a recount and poetic focus.  
 Guided reading sessions will build skills of inference and understanding the intentions of the writer when choosing words and phrases.

**Activities**  
 Using archive video to make notes. Express likes, dislikes, feelings and empathise with the people.  
 Develop a timeline and research significant events of the journey of Ernest Shackleton drawing on their own research along with texts provided for them.  
 Present their autobiography to a real audience in the form of an exhibition of their work bearing in mind their audience.  
 The children will learn a poem to present during remembrance week.  
 Develop knowledge of year 5 and 6 grammar terms and apply these to their writing.

**Art and Music**  
 Islamic patterns /artefacts The David collection Ayesha Gamiet  
 Don't stop believing Rock music  
 Christmas music  
 Link : Beliefs

**Mathematics**  
 Geometric Reasoning - use the properties of rectangles to deduce related facts and find missing lengths and angles  
 Additive Reasoning - Pupils can solve addition and subtraction problems in different contexts  
 Number Sense - Pupils can make appropriate decisions about when to use their understanding of counting (including counting below zero), place value and rounding for solving problems including adding and subtracting.  
 Multiplicative Reasoning - Pupils can solve problems involving multiplication, division and fractions in different contexts.

**Activities**  
 A weekly multiplication test will help the children with their rapid recall.  
 Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.  
 Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)  
 Pupils practise and extend their use of the formal written methods of long multiplication and long division.  
 Addition, subtraction, multiplication and division of fractions.  
 Explain angle as a measure of turn, draw and measure angles and use their understanding of angle to describe the properties of different shapes.

**Activities**

**Art:**  
 Calligraphy pen  
 Brush strokes

**Music:**  
 The children will further develop their skills of singing medleys and harmonies through preparation and working towards our Christmas evening.

**R.E**  
 Children will gain a knowledge and understanding about Christian teaching on behaviour and action. They develop their own understanding that Christians base their behaviour on the teaching of Jesus, and this reflects their Christian belief. They also explore key beliefs and teachings in Judaism and through learning about Jewish values and commitments pupils will have the opportunity to reflect on their own experiences and feelings.

**Design Technology**  
 The children will be using computer aided design and computer aided manufacture to attempt to recreate some of the buildings of Mesopotamia. They will need to use their mathematical skills accurately in order to be successful.