

## Willow Class – Cycle B Term 2

### **Maths – Length, Perimeter, Multiplication and Division.**

- Convert between different units of measure e.g. kilometre to metre.
- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres
- Recall and use multiplication and division facts for multiplication tables up to 12 x 12.
- Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.
- Recognise and use factor pairs and commutativity in mental calculations.
- Multiply two digit and three digit numbers by a one digit number using formal written layout.
- Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects.
- Divide numbers up to 3 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.

### **English – Fiction: Poetry – Narrative Poetry**

- To know what rhythm is within a poem.
- To know different language techniques used in a poem.
- To know the techniques for performing a poem.
- To know how to analyse a poem.
- To know how to evaluate a poem.
- To know how to write a poem that follows a certain structure.

### **Computing: Stop Frame Animation**

- I can capture and edit digital still images to produce a stop-frame animation.
- I know how to tell a story through stop frame animation.

### **PSHE: Growing and Changing**

- Key facts about puberty and the changing adolescent body including physical and emotional changes.
- About menstrual wellbeing including the key facts about the menstrual cycle.
- Strategies to manage the physical, emotional and mental changes that are a typical part of growing up, including puberty and menstrual wellbeing.
- The importance of, and ways of, taking increased responsibility for their own personal hygiene and physical health.
- How to clarify and develop personal values in friendships, love and sexual relationships.
- That intimate relationships should be pleasurable.

### **Science: Electricity**

- Students will be able to identify everyday objects that use electricity.
- Student will be able to identify whether these use mains, batteries or both.
- Students will be able to connect a simple circuit.
- Students will be able to draw a simple circuit in a science diagram.

### **Physical Education: Fundamental Movement**

- Students, by the end of this term, should have a deeper understanding on how to manipulate certain equipment i.e. throwing underarm and catching a football with two hands.
- Refine actions within fundamentals including catching, throwing, kicking and jumping.

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### **Humanities: United Kingdom, Map Reading and Giving Directions.**

- Which countries are members of the United Kingdom and their capital cities?
- How to use a map / an atlas.
- The location of Lincolnshire on a map of the United Kingdom and knowledge and geographical awareness of the main towns found in this county.
- Use a map outline to label the location of countries that belong to the United Kingdom.
- To know and indicate the location of the capital city of each member country.
- Label on an outline map the location of the capital cities of each of the member countries.
- Label on an outline map of the United Kingdom the location of the main towns in Lincolnshire, i.e., Lincoln, Boston, Spalding, Stamford.

### **Art and Design: Tonal Effects**

- Pupils will understand tone as degrees of light and dark to produce shading, hatching and cross hatching.
- Pupils will observe light and shadow to determine tone.
- Pupils will know that drawing has different purposes (eg observation, sketching, maps, plans, diagrams, perspective)
- The meaning of negative space.
- Speed sketch to identify main shape then detail.
- Complete observational drawing from different viewpoints.
- Recognise simple perspective: depth, size, back /middle /foreground, colour, overlapping.
- Use a range of 'B' pencils, charcoal and chalk for tonal effects.
- Use tonal lines and tonal areas to create dark, medium and light areas.
- Experience drawing still life under a spotlight.

### **Music: Guitar – Christmas Music**

- To gain knowledge about the orchestra and composers
- To learn how to sit in the correct position for holding a guitar and the correct strings.
- To hold a guitar correctly.
- To work towards playing open string piece and progress to basic chords.

### **Design Technology: Designing and Making a Clock Face**

- Safe work practices when using a hand drill and sander.
- How to transfer a design onto a piece of wood.
- Design a two-dimensional clock face.
- Mark an image or time intervals on the clock face.
- Cut out the clock face image.
- Finish the face appropriately, eg smooth edges, sand and colour surfaces to a fine finish.
- Construct the clock, eg attach a mechanism and hands to the face.

### **Food Technology: Preparing Food for a Celebration: Mini Christmas Cakes, Mince Pies and Sausage Rolls.**

- That food can be prepared in advance and kept safely for future dates.
- Which foods can be prepared in advance.
- How to use, turn on and use the oven safely.
- How to time food whilst cooking.
- How to hold and use a rolling pin.
- Prepare food in advance and store them appropriately.
- Turn the oven on to the correct temperature and use the timer.
- Roll out pastry etc, safely & carefully.
- Use a rolling pin with some accuracy.