

Teaching and Learning Principles and Curriculum Driver

<p><b>Equality of Opportunity</b> Raising pupil aspiration through inspiration, enjoyment and fulfilment; Access to academic excellence; Opportunity to enhance and develop skills/talent; Developing dedication and resilience</p>	<p><b>Enquiry Based Learning</b> Creative thinkers; Real life challenge Risk taking; Resourcefulness; Enterprise; collaboration; Independent; Fostering and applying thinking skills</p>	<p><b>Inspire awe and wonder</b> Use stimuli to motivate and inspire- visits, visitors, artefacts, books, videos, plays, role play etc.</p>	<p><b>Force for Positive Change</b> Who or what has been a force for positive change? How can we be a force for positive change?</p>
<p>- Science resources and D&amp;T equipment have been purchased and rented for all children to explore and enjoy in lessons</p>	<p>Enquiry based lessons in science, D&amp;T and Art: -Whose teeth are these? -How do we absorb nutrients from our food? -How do pop-up books work? -How does the natural environment create patterns?</p>	<p>-NHS dental team come in to teach us about oral hygiene -Variety of high quality books, inspiring videos and entertaining and purposeful role playing throughout lessons</p>	<p>-Writing explanation letter to parents to help them understand the importance of oral hygiene</p>

**YEAR 4**  
**Title: Dem Bones, Dem Bones!**

**School Trip/Special Events**  
Dentist Visit  
Workshop – Digestion  
Big Bang: Classifying real foods into different food groups

**P4C- Relationships & Tolerance** - create and discuss philosophical questions

**Computing** – Programming  
-using a program to manipulate a turtle on the screen  
-programming letters  
-understanding patterns and repeats  
-using loops to create shapes  
-breaking these skills down to design a program  
-creating a program

**PSHE- Relationships**  
-recognising situations and feelings that can cause jealousy; identifying someone I love and understanding how people feel when they lose someone they love and how to still remember them

**Curriculum Opportunities:**  
History- To use historical vocabulary and evidence.  
Geography- To use the lines of longitude to work out the time in different countries.

**Science-**  
Living Things and Their Habitats  
-investigating our teeth and their functions and connecting this to how we get nutrients from our food  
-discussing and identifying that we get our nutrient from our food  
-understanding how our body mechanisms (digestive system) gets nutrients from our food  
-understanding why humans and animals have bones and muscles  
-identifying various food chains and their significance

**D&T: -Mechanisms: Levers and Linkages**  
-children will ask questions to understand how moving pictures work in pop out books  
-identifying and creating various levers and linkages  
-creating a design criteria for their own product  
-learning is all linked to the human digestive system in science

**Maths**  
Place Value  
-counting into negative numbers and fractions, estimating and solving worded number problems  
Addition and Subtraction  
-4 + 4 digit formal methods using regrouping and exchanging  
Multiplication and Division  
-multiplication and division facts to 12 x 12, multiplying 3 numbers together and multiplying and dividing 3 by 1 digits in the formal methods  
Measurement-  
-conversion in money in pound and pence, perimeter and area  
Geometry- 2D shapes, angles, symmetry, position and direction

**PE 4M and 4E Swimming**  
**Indoor-** OAA- Working as a team to navigate around the school completing tasks  
**Outdoor-** Athletics

**Art – Printing**  
-take inspiration from nature and find natural patterns and symmetry  
-practising different types of printing  
-create a unique fingerprint print using yarn

**English**  
Mystery:  
-expanded noun phrases and figures of speech  
-fronted adverbials with commas  
-variety of conjunctions/subordination  
-varied pronouns  
-dialogue  
-apostrophe for possession  
**Non-Fiction- Explanation Text - Letter**  
- **explanation letter to parents to help them understand the importance of oral hygiene** ---  
variety of causal and time conjunctions, subordination, formal language  
Reading: Daily guided reading sessions and whole class reading sessions

**Music- Guitar**  
-To use open fingered strings (E, B, G, D, A, C)  
-To play a 5 note piece  
-To explore melodies and rhythms of a well known composer and perform with control

**Languages- Spanish**  
-Identifying European countries  
-Describe nationalities  
-Explore facts about Spain  
-Recognise typical Spanish dishes  
-Explore some Spanish festivals