














Are you switched on?

Year Four Curriculum Information Terms Three and Four

Exciting Events

- 'Wow Days': Thursday 7th January (sound) and Thursday 25th January (electricity).
- Expert Science workshops delivered through Worle Community School.
- Learning Theme exhibition of DT light-up houses and science learning.

<p style="text-align: center;">English</p> <p>Reading: weekly reading comprehension, 'Reading Detectives' to improve inference skills and guided reading. Home reading: Author of the Term (term 3) and non-fiction reading (term 4).</p> <p>Writing: learning to plan and draft write, proof-read and edit and publish our writing.</p> <p>Poetry: shape poetry and calligrams (science and sound)</p> <p>Narrative: 'The Dark' by Lemony Snicket and 'Leon and the Place Between'.</p> <p>Non-fiction: instructions (how to construct a circuit), non-chronological report (animals and echolocation), biography (famous scientists), explanation (scientific invention).</p> <p>SPaG: begin to use commas for simple embedded clauses, using commas after adverbial phrases at the start of a sentence, choosing appropriate verbs to add interest. Weekly spelling activities linked with handwriting.</p>	<p style="text-align: center;">Maths</p> <p>Number: solving number and practical problems with increasingly larger numbers. Estimating and using inverse operations to check a calculation</p> <p>Fractions: understanding the relation between non-unit fractions and multiplication and division of quantities.</p> <p>Measurement: converting between different units of metric measurement, including money</p> <p>Statistics: Interpret and present discrete and continuous data on appropriate graphs.</p> 			
<p style="text-align: center;">Science</p> <table border="0" style="width: 100%;"> <tr> <td data-bbox="113 907 526 1265"> <p>Sound</p>  <ul style="list-style-type: none"> - Understand that sounds are made when objects vibrate and that sounds travel through solids, liquids and gases. - Understand how well sound travels through different materials and discover how instruments make sounds. - Investigate soundproofing and pitch and loudness. </td> <td data-bbox="526 907 1037 1265"> <p>Light</p>  <ul style="list-style-type: none"> - Identify light sources and discuss the importance of the Sun. - Establish that light is reflected off things that we see and that darkness is an absence of light. - Look at the transparency of various materials and the shadows they form. - Carry out an enquiry about shadows. </td> <td data-bbox="1037 907 1481 1265"> <p>Electricity</p>  <ul style="list-style-type: none"> - Construct and draw simple circuits. - Find which materials are the best electrical conductors and use this information to make switches. - Investigate what happens to a bulb's brightness when circuits are changed. - Research famous scientists. </td> </tr> </table>		<p>Sound</p>  <ul style="list-style-type: none"> - Understand that sounds are made when objects vibrate and that sounds travel through solids, liquids and gases. - Understand how well sound travels through different materials and discover how instruments make sounds. - Investigate soundproofing and pitch and loudness. 	<p>Light</p>  <ul style="list-style-type: none"> - Identify light sources and discuss the importance of the Sun. - Establish that light is reflected off things that we see and that darkness is an absence of light. - Look at the transparency of various materials and the shadows they form. - Carry out an enquiry about shadows. 	<p>Electricity</p>  <ul style="list-style-type: none"> - Construct and draw simple circuits. - Find which materials are the best electrical conductors and use this information to make switches. - Investigate what happens to a bulb's brightness when circuits are changed. - Research famous scientists.
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<p style="text-align: center;">Computing</p> <ul style="list-style-type: none"> • Programming: <ul style="list-style-type: none"> - Create an etch a sketch game - Collecting and organising data - Exploring the persuasiveness of adverts • e-Safety: <ul style="list-style-type: none"> - Being safe in an online community. - Looking at product websites and understanding the methods used to promote products on these sites. 	<p style="text-align: center;">Music</p> <ul style="list-style-type: none"> • To improvise and compose music using the iPad app Loopsequelite. • To appreciate and understand a range of music from great composers and musicians by listening to ten pieces of classical music from the BBC Ten Pieces project. • To understand musical terminology: pitch, duration volume, tempo, timbre, texture. 			
<p style="text-align: center;">Design and Technology</p> <ul style="list-style-type: none"> • Design, make and evaluate a shell structure in the form of a model house. • Develop skills in strengthening and stiffening to reinforce structures. • Design, make and evaluate a simple circuit and switch to light up a model house. • Understand and use an electrical system in a product. 	<p style="text-align: center;">Art</p> <ul style="list-style-type: none"> - Use paint to create a piece of soundwave art. - Develop drawing skills through use of light and shade to create a woodland picture. - Photography workshop. 			
<p style="text-align: center;">R.E. (Religious Education)</p> <ul style="list-style-type: none"> • Judaism: What is important to us? • Christianity: Easter and Forgiveness 	<p style="text-align: center;">PHSE (Personal Health and Social Education)</p> <ul style="list-style-type: none"> • Going for Goals • Keeping Healthy • Good to be Me • Drug Education 	<p style="text-align: center;">P.E. (Physical Education)</p> <ul style="list-style-type: none"> • Invasion games: Netball and Rugby • Gymnastics: linking movements and travelling. 