

**Year 4, Autumn 1 : Sparks Might Fly ' Homework Grid**

You should complete one topic homework of your choice each week. You will also have weekly statutory spellings to learn as well as times tables to practise. Please take time over your Topic homework; research it carefully and present it neatly. At the end of term there will be rewards to celebrate good homework. Each Topic task is worth 1 homework point. Bonus points can be earned for good marks in spellings and tables tests.

	<b>Topic: Sparks Might Fly (choose at least one activity per week - you can do more if you like )</b> 1 point each			<b>Statutory Key Words spellings</b> 1 point	<b>Weekly Spellings and Tables</b> <b>Earn Bonus points!</b>
<b>Week 1</b> 	Find out who invented the electric light bulb! When was this?	Investigate what causes thunder and lightning. Can you give an explanation of what causes it?	Find as many appliances as you can around your home which use electricity. Sort them according to what uses batteries, or mains electricity. Record your information in a table.	caught, naughty, certain	Individual times tables targets to work towards badges  Badge 2: 2x,5x,10x  Badge 3: 2x,5x,10x,3x,4x,8x  Badge 4: All Tables  Badge 5: All division facts
<b>Week 2</b> 	Create some addition calculations for a friend to solve using Roman Numerals eg $Xx + 1V =$ (remember to work out the answers yourself!)	Write an explanation of how to play your favourite game.	Draw or paint a picture of yourself. Maybe you could use the style of a famous artist like Picasso!	complete, consider, continue	
<b>Week 3</b> 	Create an information poster telling people about the dangers of Electricity. What must we never do?	Write a leaflet about internet safety	Create a piece of Artwork with the title 'Lightning Strikes'	appear, breadth, breathe, build, busy, calendar	
<b>Week 4</b> 	Find or write a poem about Electricity and prepare a performance to the class	Research what life was like before electricity. Can you draw a timeline to show us when important discoveries were made? <a href="http://www.bbc.co.uk/education/clips/zkys34j">http://www.bbc.co.uk/education/clips/zkys34j</a> There is some great information on this site.	Find out how electricity is delivered to our homes and how it travels across roads and fields to reach us	different, difficult, disappear, exercise, experience, experiment, extreme, famous, favourite, though, although	

<p><b>Week 5</b></p> 	<p>Ask your family to think of as many songs as they can with the words 'light', 'shine' or 'electric' in - there are more than you might think! Write a list of the song titles and artists and listen to some of them. Which is your favourite, and why?</p>	<p>Create a poster to show what all of the electrical symbols look like. Include the symbols for bulb, battery, buzzer or wire</p>	<p>Write a list of reasons why an electrical circuit may not work.</p>	<p>grammar, group, guard, guide, imagine, important, increase, interest, island, knowledge</p>	
 <p><b>Week 6</b></p>	<p>Draw a diagram of an electrical circuit using the correct symbols for a bulb, and a switch</p>	<p>Write a fantasy story about something magical that happens during a thunder and lightning storm</p>	<p>Blow a balloon up and rub it on your hair for 30 seconds, then lift up the balloon. What happens? Why does this happen?</p>	<p>Material, medicine, mention, natural, opposite, ordinary, particular, peculiar, position, possession</p>	
<p><b>Week 7</b></p> 	<p>With an adult, use the internet to devise your own electricity quiz. (Remember to write down the answers!) You can then be quiz master in class and see if your classmates (and Mrs Wilson) can answer your questions.</p>	<p>Write an explanation of how you can make bulbs brighter or dimmer in an electrical circuit</p>	<p>With an adult, Use the internet to find out other experiments you can do at home eg Can you really make a battery from a lemon?</p>	<p>Possible, pressure, probably, recent, regular, remember, separate, special, straight, strength, suppose, surprise, therefore</p>	