

Subjects: Science, D&T, Geography and Music

		Year 5 & Year 6 Science				
NC Objective	Consolidation week Introduction of electricity	To explain how science has supported the use of electricity for humans	To understand the symbols used in an electrical circuit	To consider the role of voltage and its effect on a circuit	To create and identify electrical circuits	To carry out an electrical investigation creating circuits
Question	<p>How is electricity made. What do we already know, are there any dangers associated with electricity? Can we consider differing energy supplies? Renewable and non-renewable energy.</p>	Who were the most important scientists in the development of the science of electricity? How did their work impact on society?	<p>What symbols are needed to draw an electrical circuit. Why should we all use the same symbols?</p> <p>Create small circuit diagrams</p>	<p>How can the voltage in a circuit have an impact on the role of the circuit? Does more voltage result in more effect?</p>	<p>How can I create a safe circuit? Can I introduce elements which change the role of a circuit?</p> <p>Can I design a simple burglar alarm?</p>	<p>Would it be possible for a circuit to light multiple elements and how will they interact with different components?</p> <p>Can I create a tall electrical tower with simple resources?</p>

Year 5 & 6 DT (health and nutrition)					
NC Objective	To understand and apply the principles of a healthy and varied diet	Lunchbox study	Can I consider the reason for a healthy balanced lifestyle	Can I create a healthy sports routine for a friend	Where does our food come from?
Question	Do I follow a healthy lifestyle – menu completion and analyse	Can I record the food that I have in a week, analyse images of lunch boxes and consider their healthiness	Can I develop a healthy plan for lifestyle, does this differ for sportspeople? Are sports drinks good for us?	What are the components of a health routine, can I create a plan for a sporty friend? How much sport is enough?	How far does our food travel on its way to us?

Year 5 and 6 Geography (links to science)					
NC Objective	Consolidation week What do I need to survive in life?	Where does our power come from	Is in renewable or non-renewable energy?	To understand the relevance of conserving food and energy	I can understand that different countries have differing demands on resources.
Question	What do I feel is important to human life? What did early settlers need and how has that changed to modern life?	Is electricity a natural resource or is it man made. Can I decide what each means and how does it reach my plug?	What is the difference between renewable and non-renewable energy and is one better than the other?	Can I explain where my food comes from before reaching the shop – what is the impact of buying tropical fruit? Is there enough water to go around	Can I compare how supplies in the UK have changed and is this the same as a county on the other side of the world, in a less developed country.

Year 5 and 6 Music					
NC Objective	Develop an understanding of the history of music	Develop an understanding of the history of music	Develop an understanding of the history of music To use ICT to record and manipulate music	To use ICT to record and manipulate music	To use ICT to record and manipulate music
Question	Can music be placed on a timeline?	Where do famous musical composers fit into our timeline?	Can I compose a piece of music to represent a period of time thinking about great musicians from throughout history?	Is it possible to layer music from other time periods? (recording and using computers to manipulate?) x 2	Is it possible to layer music from other time periods? (recording and using computers to manipulate?) x 2

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