

<p><u>Links to Prior Learning</u></p> <p>Wriggle and Crawl & Scented Garden – soil</p> <p>Towers, Tunnels and Turrets – materials/construction/rocks</p>	<p><u>Substantive Knowledge</u></p> <p>Compare and group different types of rock How fossils are formed Soils are made from rocks and organic matter Common appliances that run on electricity Construct a series circuit and name parts Know if a lamp will light based on whether there's a circuit Know the function of a switch Recognise common conductors and insulators (Science)</p>	<p><u>Cultural Capital</u></p> <p>Book: The Iron Man Art: Andy Goldsworthy Music: Design: Giorgetto Giugiaro- Moving vehicles Nikola Tesla -Electrical systems Where does electricity come from and how does it affect the environment</p>
<p><u>Key Questions</u></p> <p>Which materials conduct electricity? Where do rocks come from? Whose poo and where does it go?</p>	<p><u>Rocks and Metals!</u></p> <p>Yr 3/4</p>	<p>Igneous (granite), metamorphic (marble, slate), sedimentary (chalk, limestone, sandstone) Fossils Series circuit, complete loop, cells, wires, bulb, buzzer, switch (open/close), motor, voltage, current Conductor, insulator</p>
<p><u>Throughout</u></p>	<p><u>Discrete</u> Y4 Instrumental music lessons Computing – Yr3 Connecting Computers Yr4 – The Internet RE –Y3 Is light a good symbol for celebration? RE – Y4 Does the Christmas narrative need Mary? French –Y4 on our travels, weather. PSHE - Make positive comments about themselves and others. Develop understanding of online safety, including the protection of personal details.</p>	

<p><u>Maths Links</u> Measuring (wood dowel) – measure/compare/add lengths</p>	<p><u>English Links</u> Iron Man – diary entries, letters, newspaper reports</p>
<p><u>DT tools and techniques</u> Cutting (junior handsaws) Joining/strengthening (glue gun and triangular card joint supports) Electricity (incorporating circuits, buzzers, bulbs, motors)</p>	<p><u>Art tools and techniques</u> 3D sculpture Andy Goldsworthy natural sculpture</p>
<p><u>History knowledge to be remembered</u> N/A</p>	<p><u>Evaluation 2019/20</u> It was a struggle to fit in electricity elements of science. It was going to be taught discretely at the end of Spring Term instead but this didn't happen due to Covid-19</p> <p>Children were really engaged in the DT project but it was too hard and needs to be a simpler product made next time Lots of opportunities for practical science investigations – recording/observing</p> <p>Hard to make the topic overall engaging – ideas?</p>